

# Ghana - The Firm Adoption of Technology (FAT) Survey, 2021

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## Identification

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### SURVEY ID NUMBER

GHA\_2021\_FAT\_v01\_M

### TITLE

The Firm Adoption of Technology (FAT) Survey, 2021

### ABBREVIATION OR ACRONYM

FAT 2021

### COUNTRY/ECONOMY

Name	Country code
Ghana	GHA

### STUDY TYPE

Enterprise Survey [en/oth]

### SERIES INFORMATION

The Firm Adoption of Technology (FAT) Survey is a nationally representative firm-level survey for agriculture, manufacturing, and services, conducted and managed by the World Bank. The survey applies a standardized sampling methodology and survey questionnaire to generate data that are comparable across countries. Particularly, the FAT survey measures more than 300 granular levels of technologies across over 60 business functions. It also collects information about the firm and owner/manager characteristics, subjective perceptions of firms regarding to the adoption of technology, and detailed financial information.

### ABSTRACT

The Firm Adoption of Technology (FAT) Survey is a nationally representative firm-level survey for agriculture, manufacturing, and services. The survey covers a broad range of topics related to business, with a granular measures of technologies across business functions.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

Establishment

## Version

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### VERSION DATE

2026-02-05

### VERSION NOTES

Edited, anonymised datasets for public distribution

## Coverage

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### GEOGRAPHIC COVERAGE

National

## Producers and sponsors

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### PRIMARY INVESTIGATORS

Name	Affiliation
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Xavier Cirera	The World Bank
Diego Comin	Dartmouth College
Marcio Cruz	IFC

## PRODUCERS

Name
World Bank Group

## FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
The World Bank Group	WBG	Financial Support

## Sampling

## SAMPLING PROCEDURE

The Firm-level Adoption of Technology (FAT) survey employs a stratified random sampling design to ensure a nationally representative sample of formal private sector establishments. The universe of study was restricted to formal establishments with five or more employees across the stratified sectors. Micro-firms with fewer than five employees were excluded to ensure consistency in the sampling frame and to mitigate the complexities associated with surveying informal entities in developing economies. To achieve statistical precision across key economic dimensions, the population was stratified by geography, firm size, and sector of activity. Details about the stratifications are provided in the FAT Methodology note.

The geographic stratification uses six sub-national regions: Region 1 (Ashanti), Region 2 (Bono/Bono East/Ahafo), Region 3 (Eastern/Volta/Oti), Region 4 (Greater Accra), Region 5 (Northern/North East/Savannah/Upper East/Upper West), and Region 6 (Western/Western North/Central). Firm size is stratified in three size groups: small firms (5-19 employees), medium firms (20-99 employees), and large firms (100 or more employees). Regarding sector stratification, in Ghana the survey is stratified in nine sectors: agriculture (ISIC 01), food processing (ISIC 10), wearing apparel (ISIC 14), "other manufacturing", retail and wholesale (ISIC 46, and 47), accommodation (ISIC 55), finance (ISIC 64), health (ISIC 86), ICT and Professional Services (ISIC 61-63, 68, and 69-74), and other services.

## DEVIATIONS FROM THE SAMPLE DESIGN

See methodology notes for sector and regional stratification or section 2 and Appendix A of Cirera, X., Comin, D., & Cruz, M. (2026) provide detailed information about the sample design.

## RESPONSE RATE

The response rate was 39%

## WEIGHTING

Sampling weights are constructed in two steps. Design weights reflect selection probabilities under stratified random sampling by industry, size, and region, representing how many establishments each sampled unit stands for. These weights are then adjusted for non-response using response rates within strata. The final weights align the weighted respondent sample with the distribution of establishments in the sampling frame. Details about how the FAT sampling weights are calculated are given in the FAT Methodology note.

## Data collection

## DATES OF DATA COLLECTION

Start	End
2021	2021

## DATA COLLECTION MODE

Computer-Assisted Personal Interview (CAPI)

## SUPERVISION

Survey supervision was implemented by Xavier Cirera, Marcio Cruz and Kyung Min Lee.

## DATA COLLECTION NOTES

The mode of data collection was primarily face-to-face before the pandemic and mostly via telephone and online during the pandemic.

# Questionnaires

## QUESTIONNAIRES

The standard FAT questionnaire provides a comprehensive assessment of technology adoption and firm performance through five integrated modules. These modules cover general firm characteristics (including ownership and management demographics), the use of general business function technologies common to all firms, and deep dives into sector-specific technologies for twelve distinct sub-sectors. Additionally, the questionnaire evaluates the primary drivers and barriers to technology adoption—such as regulatory constraints and human capital—alongside detailed information on labor composition, balance sheets, and overall firm performance. By measuring more than 300 granular technologies across 60 business functions, the survey captures the extensive margin of adoption, the intensive margin of use, and the duration of advanced technology implementation.

# Data Appraisal

## DATA APPRAISAL

Section 2 of Cirera, X., Comin, D., & Cruz, M. (2026) provides detailed information on several quality checks to validate the survey and the data, including comparability with official business statistics from external sources.

# Access policy

## CONTACTS

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## CONFIDENTIALITY

## CITATION REQUIREMENTS

Use of the dataset must be acknowledged using a citation which would include:

- the Identification of the Primary Investigator
- the title of the survey (including country, acronym and year of implementation)
- the survey reference number
- the source and date of download

In addition to the dataset citation, users must also cite the journal publication for methodology and approach as follows: Cirera, X., Comin, D., and Cruz, M. (2026). Technology Sophistication Across Establishments. The Quarterly Journal of Economics.

## ACCESS AUTHORITY

Name	Affiliation
Marcio Cruz	DECPM
Xavier Cirera	WKPTC
Kyung Min Lee	WKPTC

## Disclaimer and copyrights

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### DISCLAIMER

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

## Metadata production

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### DDI DOCUMENT ID

DDI\_GHA\_2021\_FAT\_v01\_M\_WB

### PRODUCERS

Name	Abbreviation	Affiliation	Role
Development Data Group	DECDG	World Bank	Documentation of the study

### DATE OF METADATA PRODUCTION

2026-03-05

### DDI DOCUMENT VERSION

Version 01 (2026-03-05)

**Data Dictionary**

<b>Data file</b>	<b>Cases</b>	<b>Variables</b>
<b>fat_ghana_disclosure</b> Firm-level Adoption of Technology (FAT) Ghana survey dataset	1262	926



**Data file: fat\_ghana\_disclosure**

Firm-level Adoption of Technology (FAT) Ghana survey dataset

Cases: 1262

Variables: 926

**Variables**

ID	Name	Label	Question
V1	firm_id	Firm ID	
V2	a3b	Private foreign ownership %	
V3	a4b	Founder - Ownership	
V4	a4e	Female Owner	
V5	a5a	Sector - group	
V6	a6	Year of beginning operations	
V7	a7a	Top Manager - Experience Same Sector	
V8	a7b	Top Manager - Female	
V9	a7c	Top Manager - Highest Education	
V10	a7d	Top Manager - Studied Abroad	
V11	b1c	Power Outages - Monthly	
V12	b2a	Own/Share Generator	
V13	b2c	Main source of energy	
V14	b3b	No. of mobile lines	
V15	b4a	No. of Desktop or Laptops	
V16	b4b	No. of Tablets or Smartphones	
V17	b5a	Internet connection	
V18	b5b	Fastest Internet Connection	
V19	b5c	No. of internet service downs	
V20	b5d	Length of the Internet service down-hours	
V21	b5e	Length of the Internet service down-minutes	
V22	b5f	Own Website	
V23	b5g	Online Social Media	
V24	b5h	Cloud Computer Services	
V25	b7a	Production compared to other firms in country	
V26	b7b	Production compared to other firms in world	
V27	b8a1	Business Administration - Handwritten Processes	
V28	b8a2	Business Administration - Computers (standard softwares)	
V29	b8a3	Business Administration - Mobile Apps or Digital Platform	
V30	b8a4	Business Administration - Computers (specialised softwares)	
V31	b8a5	Business Administration - ERP	
V32	b8a6	Business Administration - Other	
V33	b8b	Business Administration - MOST used method	
V34	b8c	Years using b8a4, b8a5	
V35	b9a1	Production Planning - Handwritten processes	
V36	b9a2	Production Planning - Computers (standard softwares)	
V37	b9a3	Production Planning - Mobile Apps or digital platforms	

ID	Name	Label	Question
V38	b9a4	Production Planning - Specialized software	
V39	b9a5	Production Planning - ERP	
V40	b9a6	Production Planning - Other	
V41	b9b	Production Planning - MOST used method	
V42	b10a	Supply Mgt. - MOST used method	
V43	b10a1	Suppliers - manual search	
V44	b10a2	Suppliers - management of supply chain info	
V45	b10a3	Suppliers - online social media	
V46	b10a4	Suppliers - SRM (not integrated w prod planning)	
V47	b10a5	Suppliers - SRM (integrated w prod planning)	
V48	b10a6	Suppliers - other	
V49	b11a1	Marketing - Face to Face Chat	
V50	b11a2	Marketing - Online Chat	
V51	b11a3	Marketing - Structured Surveys	
V52	b11a4	Marketing - CRM	
V53	b11a5	Marketing - Big Data Analytics	
V54	b11a6	Marketing - Other	
V55	b11b	Marketing - MOST used method	
V56	b12a1	Fabrication - Manual	
V57	b12a2	Fabrication - Machines w/o computer	
V58	b12a3	Fabrication - Computer	
V59	b12a4	Fabrication - Robots	
V60	b12a5	Fabrication - Additive manufacturing	
V61	b12a6	Fabrication - Other Adv. Processes	
V62	b12a7	Fabrication - Other	
V63	b12b	Fabrication - MOST used method	
V64	b12c	Years using b12a3, b12a4, b12a5, b12a6	
V65	b13a	Direct sale	
V66	b13b1	Sales - Establishment Premises	
V67	b13b2	Sales - Phone, email or sales representatives	
V68	b13b3	Sales - Social media platforms/apps	
V69	b13b4	Sales - Online Sales (ext. dig. platforms)	
V70	b13b5	Sales - Online Sales (own website)	
V71	b13b6	Sales - Electronic orders	
V72	b13b7	Sales - Other	
V73	b13c	Sales - MOST used method	
V74	b13d	Years using b12b4, b13b5, b13b6	
V75	b13e	What is the share of online sales of this establishment by this method?	
V76	b13e2	Sales share (%) - online (own website)	
V77	b14a1	Payment - goods exchange	
V78	b14a2	Payment - cash	
V79	b14a3	Payment - Cheque, voucher, bank wire	
V80	b14a4	Payment - Cards	
V81	b14a5	Payment - Online/electronic	
V82	b14a6	Payment - Online (platforms)	

ID	Name	Label	Question
V83	b14a7	Payment - Cryptocurrency	
V84	b14a8	Payment - Other	
V85	b14b	Payment - MOST used method	
V86	b14c	Years using b14a5, b14a6	
V87	b15a1	Quality Control - Manual, Visual or Written	
V88	b15a2	Quality Control - Human Inspection	
V89	b15a3	Quality Control - Statistical Control	
V90	b15a4	Quality Control - Automated	
V91	b15a5	Quality Control - Other	
V92	b15b	Quality Control - MOST used method	
V93	c1_0a1	Crops: Info. sources - Radio	
V94	c1_0a2	Crops: Info. sources - TV	
V95	c1_0a3	Crops: Info. sources - Non-internet mobile	
V96	c1_0a4	Crops: Info. sources - Mobile internet tech	
V97	c1_0a5	Crops: Info. sources - Meet other producers	
V98	c1_0a6	Crops: Info. sources - Pub. or Pvt. agent visit	
V99	c1_0a7	Crops: Info. sources - Precision agriculture	
V100	c1_0b1	Crops: Info. sources - MOST relevant source	
V101	c1_0c1	Crops: N acres OWNED	
V102	c1_0c2	Crops: N acres RENTED or LEASED FROM OTHERS	
V103	c1_0c3	Crops: N acres RENTED or LEASED TO OTHERS	
V104	c1_0c4	Crops: N acres available - Total	
V105	c1_0c5	N tractors owned	
V106	c1_0c6	Rent tractor, equipment, or machines	
V107	c1_0c7	Use digital or online platform for c1_0c6	
V108	c1_0d1	Main source of seeds used	
V109	c1_0d2	Pre-treatment to seeds	
V110	c1_1a1	Land prep - own workers	
V111	c1_1a2	Land prep - outsourced (another unit - same enterprise)	
V112	c1_1a3	Land prep - outsourced (other workers or enterprise)	
V113	c1_1b1	Land prep - Manual plowing (simple tools)	
V114	c1_1b2	Land prep - Animal Aided	
V115	c1_1b3	Land prep - Manually operated machines	
V116	c1_1b4	Land prep - Digitally operated tractors or equipment	
V117	c1_1b5	Land prep - Other	
V118	c1_1c	Land prep - MOST used method	
V119	c1_1d	Years using c1_1b4	
V120	c1_2a1	Product requires irrigation	
V121	c1_2b1	Irrig.- Rain-fed, no additional irrig.	
V122	c1_2b2	Irrig. - Manual irrig.	
V123	c1_2b3	Irrig. - Surface Flood Irrig.	
V124	c1_2b4	Irrig. - Small Pump	
V125	c1_2b5	Irrig. - Drip, localized, underground, Sprinkler, centre pivot	
V126	c1_2b6	Irrig. - Automated	
V127	c1_2b7	Irrig.- Other	

ID	Name	Label	Question
V128	c1_2c	Irrig. - MOST used method	
V129	c1_2d	Years using c1_2b5, c1_2b6	
V130	c1_3a1	Weeding/pest control - in house	
V131	c1_3a2	Weeding/pest control - outsourced (another unit - same enterprise)	
V132	c1_3a3	Weeding/pest control - outsourced (another enterprise)	
V133	c1_3b1	Weeding/pest control - Manual application	
V134	c1_3b2	Weeding/pest control - Mechanical application	
V135	c1_3b3	Weeding/pest control - Biological methods	
V136	c1_3b4	Weeding/pest control - Precision agriculture	
V137	c1_3b5	Weeding/pest control - Advanced precision agriculture	
V138	c1_3b6	Weeding/pest control - Other	
V139	c1_3c	Weeding/pest control - MOST used method	
V140	c1_3d	Years using c1_3b6, c1_3b7	
V141	c1_3e	Use organic or chemicals for weeding/pest control	
V142	c1_4a1	Harvesting, training or pruning - in house	
V143	c1_4a2	Harvesting, training or pruning - outsourced (another unit - same enterprise)	
V144	c1_4a3	Harvesting, training or pruning - outsourced (another enterprise)	
V145	c1_4b1	Harvesting, training, or pruning - Manual	
V146	c1_4b2	Harvesting, training, or pruning - Animal Aided	
V147	c1_4b3	Harvesting, training, or pruning - Human-operated machines	
V148	c1_4b4	Harvesting, training, or pruning - Manually mechanised	
V149	c1_4b5	Harvesting, training, or pruning - Digitally automated	
V150	c1_4b6	Harvesting, training, or pruning - Other	
V151	c1_4c	Harvesting, training, or pruning - MOST used method	
V152	c1_4d	Years using c1_4b4, c1_4b5	
V153	c1_5a1	Storage - in house	
V154	c1_5a2	Storage - outsourced (another unit - same firm)	
V155	c1_5a3	Storage - outsourced (another firm)	
V156	c1_5b1	Storage facility - Precarious	
V157	c1_5b2	Storage facility - Protected (w/o temp. control)	
V158	c1_5b3	Storage facility - Special Storage (temp. control)	
V159	c1_5b4	Storage facility - High-end central storage	
V160	c1_5b5	Storage facility - Cont. temp. monitoring	
V161	c1_5b6	Storage facility - Other	
V162	c1_5c	Storage facility - MOST used	
V163	c1_5d	Years using c1_5b3, c1_5b4, c1_5b5	
V164	c1_6a1	Packing - in house	
V165	c1_6a2	Packing - outsourced (another unit - same firm)	
V166	c1_6a3	Packing - outsourced (another firm)	
V167	c1_6b1	Packing - Manual	
V168	c1_6b2	Packing - Human-operated mech. equip.	
V169	c1_6b3	Packing - Automated	
V170	c1_6b4	Packing - Modified atmosphere	
V171	c1_6b5	Packing - Other	
V172	c1_6c	Packing - MOST used method	

ID	Name	Label	Question
V173	c1_6d	Years using c1_6b, c1_6b4	
V174	c2_0a1	Livestock: Info sources - Radio	
V175	c2_0a2	Livestock: Info sources - TV	
V176	c2_0a3	Livestock: Info sources - Non-internet mobile	
V177	c2_0a4	Livestock: Info sources - Mobile internet tech	
V178	c2_0a5	Livestock: Info sources - Meet other producers	
V179	c2_0a6	Livestock: Info sources - Pub or pvt agen visits	
V180	c2_0a7	Livestock: Info sources - Precision agri tools	
V181	c2_0b	Livestock: Info sources - MOST relevant source	
V182	c2_0c1	Livestocks: No. of acres OWNED	
V183	c2_0c2	Livestocks: No. of acres RENTED or LEASED FROM OTHERS	
V184	c2_0c3	Livestocks: No. of acres RENTED or LEASED TO OTHERS	
V185	c2_0c4	Livestocks: No. of acres OPERATES Total	
V186	c2_0d	Process production - in house	
V187	c2_1a1	Breeding/genetic - in house	
V188	c2_1a2	Breeding/genetic - outsourced (another unit - same firm)	
V189	c2_1a3	Breeding/genetic - outsourced (another firm)	
V190	c2_1b1	Breeding/genetic - Breed substitution	
V191	c2_1b2	Breeding/genetic - Inbreeding or Crossbreeding	
V192	c2_1b3	Breeding/genetic - Artificial insemination (AI)	
V193	c2_1b4	Breeding/genetic - Selective breeding	
V194	c2_1b5	Breeding/genetic - Other	
V195	c2_1c	Breeding/genetic - MOST used method	
V196	c2_1d	Years using c2_1b3, c2_1b4	
V197	c2_2a1	Animal nutrition/feeding - in house	
V198	c2_2a2	Animal nutrition/feeding- outsourced (another unit - same firm)	
V199	c2_2a3	Animal nutrition/feeding - outsourced (another firm)	
V200	c2_2b1	Animal nutrition - Household waste or fibrous crop residues	
V201	c2_2b2	Animal nutrition - Natural grasslands and pastures	
V202	c2_2b3	Animal nutrition - Integrated crop-livestock systems	
V203	c2_2b4	Animal nutrition - Production of forage crops	
V204	c2_2b5	Animal nutrition - Production of supplementary feed	
V205	c2_2b6	Animal nutrition - Manu. or mixing of feed	
V206	c2_2b7	Animal nutrition - Prod. of genetically-modified feed	
V207	c2_2b8	Animal nutrition - Other	
V208	c2_2c	Animal nutrition - MOST used method	
V209	c2_2d	Years using c2_2b5, c2_2b6, c2_2b7	
V210	c2_3a1	Animal healthcare - in house	
V211	c2_3a2	Animal healthcare - outsourced (another unit - same firm)	
V212	c2_3a3	Animal healthcare - outsourced (another firm)	
V213	c2_3b1	Animal healthcare - Rapid diagnostic tests	
V214	c2_3b2	Animal healthcare - Pest sprays	
V215	c2_3b3	Animal healthcare - Vaccines	
V216	c2_3b4	Animal healthcare - DNA or RNA vaccine	
V217	c2_3b5	Animal healthcare - Disease med.	

ID	Name	Label	Question
V218	c2_3b6	Animal healthcare - Other	
V219	c2_3c	Animal healthcare - MOST used method	
V220	c2_3d	Years using c2_3b3, c2_3b4	
V221	c2_4a1	Herd mgt/monitoring - in house	
V222	c2_4a2	Herd mgt/monitoring - outsourced (another unit - same firm)	
V223	c2_4a3	Herd mgt/monitoring - outsourced (another firm)	
V224	c2_4b1	Herd mgt/monitoring - Human	
V225	c2_4b2	Herd mgt/monitoring - Animal-aided	
V226	c2_4b3	Herd mgt/monitoring - Feedlots or grazing	
V227	c2_4b4	Herd mgt/monitoring - Automated cameras/video	
V228	c2_4b5	Herd mgt/monitoring - Unmanned aerial	
V229	c2_4b6	Herd mgt/monitoring - Analog tracking	
V230	c2_4b7	Herd mgt/monitoring - Digital tracking	
V231	c2_4b8	Herd mgt/monitoring - Other	
V232	c2_4c	Herd mgt/monitoring - MOST used method	
V233	c2_4d	Years using c2_4b5, c2_4b6, c2_4b7	
V234	c2_5a1	Transp. livestock - in house	
V235	c2_5a2	Transp. livestock - outsourced (another unit - same enterprise)	
V236	c2_5a3	Transp. livestock - outsourced (another enterprise)	
V237	c2_5b1	Transp. livestock - Manual	
V238	c2_5b2	Transp. livestock - Non-motorized vehicles	
V239	c2_5b3	Transp. livestock - Motorized vehicles	
V240	c2_5b4	Transp. livestock - Specialized/climate-controlled vehicles	
V241	c2_5b5	Transp. livestock - Other	
V242	c2_5c	Transp. - MOST used method	
V243	c2_5d	Years using c2_5b4	
V244	c3_0a1	Regulated/inspected by govt. agency	
V245	c3_0a2	Main agency regulating	
V246	c3_0b1	Finished - shelf stable	
V247	c3_0b2	Finished - fresh/perishable	
V248	c3_1a1	Input testing - in house	
V249	c3_1a2	Input testing - outsourced (another unit - same firm)	
V250	c3_1a3	Input testing - outsourced (another firm)	
V251	c3_1b1	Input testing - Sensory	
V252	c3_1b2	Input testing - Review of supplier testing	
V253	c3_1b3	Input testing - Non-computer-controlled	
V254	c3_1b4	Input testing - Computer testing	
V255	c3_1b5	Input testing - Other	
V256	c3_1c	Input testing - MOST used method	
V257	c3_1d	Years using c3_1b4	
V258	c3_2a1	Food prep. - in house	
V259	c3_2a2	Food prep. - outsourced (another unit - same firm)	
V260	c3_2a3	Food prep. - outsourced (another firm)	
V261	c3_2b1	Food prep. - Manual	
V262	c3_2b2	Food prep. - Mech. equipment (human force)	

ID	Name	Label	Question
V263	c3_2b3	Food prep. - Power equipment (human interaction)	
V264	c3_2b4	Food prep. - Power equipment (computers or robotics, minimal int.)	
V265	c3_2b5	Food prep. - Other	
V266	c3_2c	Food prep. - MOST used method	
V267	c3_2d	Years using c3_2b3, c3_2b4	
V268	c3_3a1	Anti-bacterial - in house	
V269	c3_3a2	Anti-bacterial - outsourced (another unit - same firm)	
V270	c3_3a3	Anti-bacterial - outsourced (another firm)	
V271	c3_3b1	Anti-bacterial - Minimal-processing preservation	
V272	c3_3b2	Anti-bacterial - Anti-bacterial wash or soaking	
V273	c3_3b3	Anti-bacterial - Thermal Processing	
V274	c3_3b4	Anti-bacterial - Other adv. methods	
V275	c3_3b5	Anti-bacterial - Other	
V276	c3_3c	Anti-bacterial - MOST used method	
V277	c3_3d	Years using c3_3b3, c3_3b4	
V278	c3_4a1	Food pkg. - in house	
V279	c3_4a2	Food pkg. - outsourced (another unit - same firm)	
V280	c3_4a3	Food pkg. - outsourced (another firm)	
V281	c3_4b1	Food pkg. - Manual	
V282	c3_4b2	Food pkg. - Human-operated mech. equip.	
V283	c3_4b3	Food pkg. - Power equip. (human interaction)	
V284	c3_4b4	Food pkg. - Power equip. (comp./robotics, min. human int.)	
V285	c3_4b5	Food pkg. - Other	
V286	c3_4c	Food pkg. - MOST used method	
V287	c3_4d	Years using c3_4b3, c3_4b4	
V288	c3_5a1	Store food - in house	
V289	c3_5a2	Store food - outsourced (another unit - same firm)	
V290	c3_5a3	Store food - outsourced (another firm)	
V291	c3_5b1	Food storage - Minimal protection (some exposure)	
V292	c3_5b2	Food storage - Ambient conditions (closed building)	
V293	c3_5b3	Food storage - Some climate control (secured building)	
V294	c3_5b4	Food storage - Automated climate (security-controlled building)	
V295	c3_5b5	Food storage - Other	
V296	c3_5c	Food storage - MOST used method	
V297	c3_5d	Years using c3_5b3, c3_5b4	
V298	c4_0a1	Prod. material - Printed fabric	
V299	c4_0a2	Prod. material - White fabric	
V300	c4_0a3	Prod. material - Fabric threads	
V301	c4_0a4	Prod. material - Other	
V302	c4_0b1	Garments prod.- Basic	
V303	c4_0b2	Garments prod. - Fashion	
V304	c4_0b3	Garments prod. - Sports	
V305	c4_0b4	Garments prod. - Protective apparel	
V306	c4_0b5	Garments prod. - Other	
V307	c4_0c1	Finishes - Silk screen	

ID	Name	Label	Question
V308	c4_0c2	Finishes - Embroidery	
V309	c4_0c3	Finishes - Washing	
V310	c4_0c4	Finishes - Waterproofing	
V311	c4_0c5	Finishes - Other	
V312	c4_1a1	Provide files for design	
V313	c4_1a2	Most common file provd.	
V314	c4_1a3	Design drawing - in house	
V315	c4_1a4	Design drawing - outsourced (another unit - same firm)	
V316	c4_1a5	Design drawing - outsourced (another firm)	
V317	c4_1b1	Design drawing - Manual/hand-draw	
V318	c4_1b2	Design drawing - Digital/semi-digital design	
V319	c4_1b3	Design drawing - CAD	
V320	c4_1b4	Design drawing - Other	
V321	c4_1c	Design drawing - MOST used method	
V322	c4_1d	Years using c4_1b2, c4_1b3	
V323	c4_2a1	Cutting - in house	
V324	c4_2a2	Cutting - outsourced (another unit - same firm)	
V325	c4_2a3	Cutting - outsourced (another firm)	
V326	c4_2b1	Cutting - Manual cutting	
V327	c4_2b2	Cutting - Cutting machine (manually operated)	
V328	c4_2b3	Cutting - Semi-Automatic cutting machine	
V329	c4_2b4	Cutting - Automatic/Computerized cutting machine (no Laser)	
V330	c4_2b5	Cutting - Automatic/Computerized cutting machine (Laser)	
V331	c4_2b6	Cutting - Other	
V332	c4_2c	Cutting - MOST used method	
V333	c4_2d	Years using c4_2b4, c4_2b5	
V334	c4_3a1	Sewing - in house	
V335	c4_3a2	Sewing - outsourced (another unit - same firm)	
V336	c4_3a3	Sewing - outsourced (another firm)	
V337	c4_3b1	Sewing - Manually	
V338	c4_3b2	Sewing - Machine (manually operated)	
V339	c4_3b3	Sewing - Semi-automated machines	
V340	c4_3b4	Sewing - Automated machines	
V341	c4_3b5	Sewing - 3D Knitting	
V342	c4_3b6	Sewing - Other	
V343	c4_3c	Sewing - MOST used method	
V344	c4_3d	Years using c4_3b3, c4_3b4, c4_3b5	
V345	c4_4a1	Finishing/ironing- in house	
V346	c4_4a2	Finishing/ironing - outsourced (another unit - same firm)	
V347	c4_4a3	Finishing/ironing - outsourced (another firm)	
V348	c4_4b1	Finishing/ironing - Basic manual ironing	
V349	c4_4b2	Finishing/ironing - Electric high-pressure steam iron	
V350	c4_4b3	Finishing/ironing - Tunnel finisher	
V351	c4_4b4	Finishing/ironing - Form finishing machine	
V352	c4_4b5	Finishing/ironing - High tech pressing machine	

ID	Name	Label	Question
V353	c4_4b6	Finishing/ironing - Other	
V354	c4_4c	Finishing/ironing - MOST used method	
V355	c4_4d	Years using c4_4b3, c4_4b4, c4_4b5	
V356	c5_1a1	Assemble vehicles - in house	
V357	c5_1a2	Assemble vehicles - outsourced (another unit - same firm)	
V358	c5_1a3	Assemble vehicles - outsourced (another firm)	
V359	c5_1b1	Assembly/fabrication - Machines (controlled by operators)	
V360	c5_1b2	Assembly/fabrication - FMC or FMS	
V361	c5_1b3	Assembly/fabrication - Lasers (materials processing)	
V362	c5_1b4	Assembly/fabrication - CNC machinery	
V363	c5_1b5	Assembly/fabrication - Robots	
V364	c5_1b6	Assembly/fabrication - Additive manufacturing	
V365	c5_1b7	Assembly/fabrication - Other	
V366	c5_1c	Assembly/fabrication- MOST used method	
V367	c5_1d	Years using c5_1b4, c5_1b5, c5_1b6	
V368	c5_2a1	Body press/welding - in house	
V369	c5_2a2	Body press/welding - outsourced (another unit - same firm)	
V370	c5_2a3	Body press/welding - outsourced (another firm)	
V371	c5_2b1	Body press/welding - Pressing of skin panels (operators)	
V372	c5_2b2	Body press/welding - Pressing of structural components (operators)	
V373	c5_2b3	Body press/welding - Welding of main body (operators)	
V374	c5_2b4	Body press/welding - Pressing of skin panels (automated)	
V375	c5_2b5	Body press/welding - Pressing of structural components (automated)	
V376	c5_2b6	Body press/welding - Welding of main body (automated)	
V377	c5_2b7	Body press/welding - Other	
V378	c5_2c	Pressing/welding method - MOST used method	
V379	c5_2d	Years using c5_2b4, c5_2b5 ,c5_2b6	
V380	c5_3a1	Painting - in house	
V381	c5_3a2	Painting - outsourced (another unit - same firm)	
V382	c5_3a3	Painting - outsourced (another firm)	
V383	c5_3b1	Painting - Water-based painting (operators)	
V384	c5_3b2	Painting - Solvent-based painting (operators)	
V385	c5_3b3	Painting - Water-based painting (automated)	
V386	c5_3b4	Painting - Solvent-based painting (automated)	
V387	c5_3b5	Painting - Other	
V388	c5_3c	Painting - MOST used method	
V389	c5_3d	Years using c5_3b3, c5_3b4	
V390	c5_4a1	Plastic injection molding - in house	
V391	c5_4a2	Plastic injection molding - outsourced (another unit - same firm)	
V392	c5_4a3	Plastic injection molding - outsourced (another firm)	
V393	c5_4b1	Plastic injection- Non-visible interior plastic (operators)	
V394	c5_4b2	Plastic injection - Plastic exterior body parts (operators)	
V395	c5_4b3	Plastic injection- Non-visible interior plastic (robotics)	
V396	c5_4b4	Plastic injection - Plastic exterior body parts (robotics)	
V397	c5_4b5	Plastic injection - Other	

ID	Name	Label	Question
V398	c5_4c	Plastic injection - MOST used method	
V399	c5_4d	Years using c5_4b3, c5_4b4	
V400	c5_5a1	Productive assets mgt. - in house	
V401	c5_5a2	Productive assets mgt. - outsourced (another unit - same firm)	
V402	c5_5a3	Productive assets mgt. - outsourced (another firm)	
V403	c5_5b1	Productive asset mgt. - Breakdown maintenance	
V404	c5_5b2	Productive asset mgt. - Preventative/predictive maintenance	
V405	c5_5b3	Productive asset mgt. - Model Based Condition Monitoring	
V406	c5_5b4	Productive asset mgt. - Other	
V407	c5_5c	Productive asset mgt. - MOST used method	
V408	c5_5d	Years using c5_5b2, c5_5b3	
V409	c6_0a1	Produce tablets and capsules	
V410	c6_0a2	Produce creams and ointments	
V411	c6_0a3	Produce eye and ear solutions	
V412	c6_0a4	Produce syrups and dry powders	
V413	c6_0b1	Main product produced	
V414	c6_0c1	Research with new-drug discovery	
V415	c6_0c2	Lead researchers - direct employees	
V416	c6_1a1	Mix raw mat./compounding - in house	
V417	c6_1a2	Mix raw mat./ compounding - outsourced (another unit - same firm)	
V418	c6_1a3	Mix raw mat./compounding - outsourced (another firm)	
V419	c6_1b1	Air filtration - Unfiltered air	
V420	c6_1b2	Air filtration - Basic	
V421	c6_1b3	Air filtration - HEPA	
V422	c6_1b4	Air filtration - Ultra HEPA, pressurization control	
V423	c6_1b5	Air filtration - Other	
V424	c6_1c	Air filtration - MOST used method	
V425	c6_1d	Years using c6_1b3, c6_1b4	
V426	c6_2b1	Weighting - Beam Scales	
V427	c6_2b2	Weighting - Analog Scales	
V428	c6_2b3	Weighting - Electronic Scales	
V429	c6_2b4	Weighting - Automated Weighing	
V430	c6_2b5	Weighting - Other	
V431	c6_2c	Weighting - MOST used method	
V432	c6_2d	Years using c6_2b4	
V433	c6_3b1	Mixing/compounding - Manual	
V434	c6_3b2	Mixing/compounding - Planetary Mixers OR homogenizers	
V435	c6_3b3	Mixing/compounding - High Speed, High Shear Granulators	
V436	c6_3b4	Mixing/compounding - Fluid Bed Processors (not with syrups)	
V437	c6_3b5	Mixing/compounding - Fully Automated Compounding	
V438	c6_3b6	Mixing/compounding - Other	
V439	c6_3c	Mixing/compounding - MOST used method	
V440	c6_3d	Years using c6_3b3, c6_3b4, c6_3b5	
V441	c6_4a1	Compression/encapsulation - in house	
V442	c6_4a2	Compression/encapsulation - outsourced (another unit - same firm)	

ID	Name	Label	Question
V443	c6_4a3	Compression/encapsulation - outsourced (another firm)	
V444	c6_4b1	Compression/encapsulation - Manual	
V445	c6_4b2	Compression/encapsulation - Motorized	
V446	c6_4b3	Compression/encapsulation - Automated	
V447	c6_4b4	Compression/encapsulation - Integrated	
V448	c6_4b5	Compression/encapsulation - Other	
V449	c6_4c	Compression/encapsulation - MOST used method	
V450	c6_4d	Years using c6_4b3, c6_4b4	
V451	c6_5a1	Quality control - in-house	
V452	c6_5a2	Quality control - outsourced (another unit - same firm)	
V453	c6_5a3	Quality control - outsourced (another firm)	
V454	c6_5b1	Quality control - Manual, titrimetric/chromatographic	
V455	c6_5b2	Quality control - Elec. chromatography	
V456	c6_5b3	Quality control - Elec. chromatography w data acquisition	
V457	c6_5b4	Quality control - Other	
V458	c6_5c	Quality Control - MOST used method	
V459	c6_5d	Years using c6_5b2, c6_5b3	
V460	c6_6a1	Package pharma. products - in house	
V461	c6_6a2	Package pharma. products - outsourced (another unit - same firm)	
V462	c6_6a3	Package pharma. products - outsourced (another firm)	
V463	c6_6b1	Packaging - Manual filling pills or syrups	
V464	c6_6b2	Packaging - Slat Counters, Cottoners, etc; machine filling	
V465	c6_6b3	Packaging - Automated, integrated packaging lines	
V466	c6_6b4	Packaging - Other	
V467	c6_6c	Packaging - MOST used method	
V468	c6_6d	Years using c6_6b2, c6_6b3	
V469	c7_1a1	Cust. supp. - in house	
V470	c7_1a2	Cust. supp. - outsourced (another unit - same firm)	
V471	c7_1a3	Cust. supp. - outsourced (another firm)	
V472	c7_1b1	Cust. serv. - Store	
V473	c7_1b2	Cust. serv. - Phone or Help Desk	
V474	c7_1b3	Cust. serv. - Social Media	
V475	c7_1b4	Cust. serv. - Online requests	
V476	c7_1b5	Cust. serv. - Chatbots	
V477	c7_1b6	Cust. serv. - Other	
V478	c7_1c	Service procedure - MOST used method	
V479	c7_1d	Years using c7_1b3, c7_1b4, c7_1b5	
V480	c7_2a1	Pricing - in house	
V481	c7_2a2	Pricing - outsourced (another unit - same firm)	
V482	c7_2a3	Pricing - outsourced (another firm)	
V483	c7_2b1	Pricing - Manual Cost	
V484	c7_2b2	Pricing - Automated markup	
V485	c7_2b3	Pricing - Automated promotional	
V486	c7_2b4	Pricing - Dynamic pricing systems	
V487	c7_2b5	Pricing - Personalized pricing (predictive analytics)	

ID	Name	Label	Question
V488	c7_2b6	Pricing - Other	
V489	c7_2c	Pricing - MOST used method	
V490	c7_2d	Years using c7_2b4, c7_2b5	
V491	c7_2da	Regulation - price mechanism	
V492	c7_2db	Agency regulating price	
V493	c7_3a1	Merchandising - in house	
V494	c7_3a2	Merchandising - outsourced (another unit - same firm)	
V495	c7_3a3	Merchandising - outsourced (another firm)	
V496	c7_3b1	Merchandising - Manually selection	
V497	c7_3b2	Merchandising - Category mgt.	
V498	c7_3b3	Merchandising - Retail Merch. Systems or Digital Merch.	
V499	c7_3b4	Merchandising - Product trend analytics	
V500	c7_3b5	Merchandising - Other	
V501	c7_3c	Merchandising - MOST used method	
V502	c7_3d	Years using c7_3b3, c7_3b4	
V503	c7_4a1	Mgt. inventory - in house	
V504	c7_4a2	Mgt. inventory - outsourced (another unit - same firm)	
V505	c7_4a3	Mgt. inventory - outsourced (another firm)	
V506	c7_4b1	Inventory - Handwritten record keeping	
V507	c7_4b2	Inventory - Computer databases (manual updates)	
V508	c7_4b3	Inventory - WMS (specialised software)	
V509	c7_4b4	Inventory - CAO, vendor-managed, and/or radio-frequency identification	
V510	c7_4b5	Inventory - AS/RS	
V511	c7_4b6	Inventory - Other	
V512	c7_4c	Inventory - MOST used method	
V513	c7_4d	Years using c7_4b4, c7_4b5	
V514	c7_5a1	Ads - in house	
V515	c7_5a2	Ads - outsourced (another unit - same firm)	
V516	c7_5a3	Ads - outsourced (another firm)	
V517	c7_5b1	Ad channels - Paper based communication	
V518	c7_5b2	Ad channels - Radio, Billboards, TV	
V519	c7_5b3	Ad channels - Email or mobile phone	
V520	c7_5b4	Ad channels - Social Media	
V521	c7_5b5	Ad channels - Search Engine Marketing	
V522	c7_5b6	Ad channels - Big data Analytics or AI	
V523	c7_5b7	Ad channels - Other	
V524	c7_5c	Ad channels - MOST used method	
V525	c7_5d	Years using c7_5b5, c7_5b6	
V526	c8_0a	N checking accounts managed	
V527	c8_0b	N saving acc. managed	
V528	c8_0c	N loans managed	
V529	c8_1a1	Cust. serv. (checking + savings acc) - in house	
V530	c8_1a2	Cust. serv. (checking + savings acc) - outsourced (another unit - same firm)	
V531	c8_1a3	Cust. serv. (checking + savings acc) - outsourced (another firm)	
V532	c8_1b1	Cust. serv. - Teller	

ID	Name	Label	Question
V533	c8_1b2	Cust. serv. - ATM machines	
V534	c8_1b3	Cust. serv. - On-line on company website	
V535	c8_1b4	Cust. serv. - Mobile app	
V536	c8_1b6	Cust. serv. - Other	
V537	c8_1c	Cust. serv. - MOST used method	
V538	c8_1d	Years using c8_1b3, c8_1b4	
V539	c8_2a1	Client id/fraud - in house	
V540	c8_2a2	Client id/fraud - outsourced (another unit - same firm)	
V541	c8_2a3	Client id/fraud - outsourced (another firm)	
V542	c8_2b1	Verification id - Teller	
V543	c8_2b2	Verification id - online passwords	
V544	c8_2b3	Verification id - online passwords (combined)	
V545	c8_2b4	Verification id - Digital auth.	
V546	c8_2b5	Verification id - Biometrics	
V547	c8_2b6	Verification id - Blockchain	
V548	c8_2b7	Verification id - Other	
V549	c8_2c	Verification - MOST used method	
V550	c8_2d	Years using c8_2b4, c8_2b5, c8_2b6	
V551	c8_3a1	Loan app - in house	
V552	c8_3a2	Loan app - outsourced (another unit - same firm)	
V553	c8_3a3	Loan app - outsourced (another firm)	
V554	c8_3b1	Loan app - Loan officer (paper-based)	
V555	c8_3b2	Loan app - Mobile app + paper	
V556	c8_3b3	Loan app - Channel partners	
V557	c8_3b4	Loan app - Mobile app + digital process	
V558	c8_3b5	Loan app - Other	
V559	c8_3c	Loan app - MOST used method	
V560	c8_3d	Years using c8_3b2, c8_3b4	
V561	c8_4a1	Credit approvals - in house	
V562	c8_4a2	Credit approvals - outsourced (another unit - same firm)	
V563	c8_4a3	Credit approvals - outsourced (another firm)	
V564	c8_4b1	Credit approvals - Analyst (paper-based)	
V565	c8_4b2	Credit approvals - Analyst (digital info)	
V566	c8_4b3	Credit approvals - Automated	
V567	c8_4b4	Credit approvals - Algorithm (AI or Big-Data)	
V568	c8_4b5	Credit approvals - Other	
V569	c8_4c	Credit approvals - MOST used method	
V570	c8_4d	Years using c8_4b3, c8_4b4	
V571	c8_5a1	Operational supp. - in house	
V572	c8_5a2	Operational supp. - outsourced (another unit - same firm)	
V573	c8_5a3	Operational supp. - outsourced (another firm)	
V574	c8_5b1	Op. supp. - writing records	
V575	c8_5b2	Op. supp. - dig. accounting (PCs)	
V576	c8_5b3	Op. supp. - dig. network	
V577	c8_5b4	Op. supp. - other	

ID	Name	Label	Question
V578	c8_5c	Op. supp. - MOST used method	
V579	c8_5d	Years using c8_5b2, c8_5b3	
V580	c9_0a1	Transport serv. - Passengers	
V581	c9_0a2	Transport serv. - Freight	
V582	c9_0a3	Transport serv. - Other	
V583	c9_0b1	Fleet type - Trucks	
V584	c9_0b2	Fleet type - Cars	
V585	c9_0b3	Fleet type - Motorcycle	
V586	c9_0b4	Fleet type - Others	
V587	c9_0b5	N of vehicles - Trucks	
V588	c9_0b6	N of vehicles - Cars	
V589	c9_0b7	N of vehicles - Motorcycle	
V590	c9_0b8	N of vehicles with automatic transmission	
V591	c9_0b9	N of vehicles with hybrid or electric	
V592	c9_0b10	N of vehicles with GPS tracking	
V593	c9_0c1	Regulations - hours uninterrupted driving	
V594	c9_0c2	Regulations - type of vehicles allowed	
V595	c9_1a1	Load optimization - in house	
V596	c9_1a2	Load optimization - outsourced (another unit - same firm)	
V597	c9_1a3	Load optimization - outsourced (another firm)	
V598	c9_1b1	Transportation planning - handwritten info.	
V599	c9_1b2	Transportation planning - electronic file share	
V600	c9_1b3	Transportation planning - installed software	
V601	c9_1b4	Transportation planning - real time info. with ERP	
V602	c9_1b5	Transportation planning - Other	
V603	c9_1c	Transportation planning - MOST used method	
V604	c9_1d	Years using c9_1b3, c9_1b4	
V605	c9_2a1	Execute transp. load plans - in house	
V606	c9_2a2	Execute transp. load plans - outsourced (another unit - same firm)	
V607	c9_2a3	Execute transp. load plans - outsourced (another firm)	
V608	c9_2b1	Loading - Manual process (fax, text, phone)	
V609	c9_2b2	Loading - Manual process (dig. platforms)	
V610	c9_2b3	Loading - web-based	
V611	c9_2b4	Loading - specific software interface via Internet	
V612	c9_2b5	Loading - file exchange (ERP integrated apps)	
V613	c9_2b6	Loading - Other	
V614	c9_2c	Loading - MOST used method	
V615	c9_2d	Years using c9_2b3, c9_2b4, c9_2b5	
V616	c9_3a1	Monitor load/delivery - in house	
V617	c9_3a2	Monitor load/delivery - outsourced (another unit - same firm)	
V618	c9_3a3	Monitor load/delivery - outsourced (another firm)	
V619	c9_3b1	Monitoring load/delivery - Event driven (fax, text, phone calls)	
V620	c9_3b2	Monitoring load/delivery - Event driven (digital)	
V621	c9_3b3	Monitoring load/delivery - Paper documentation	
V622	c9_3b4	Monitoring load/delivery - installed softwares	

ID	Name	Label	Question
V623	c9_3b5	Monitoring load/delivery - ERP integrated apps	
V624	c9_3b6	Monitoring load/delivery - Other	
V625	c9_3c	Transportation monitoring - MOST used method	
V626	c9_3d	Years using c9_3b3, c9_3b4, c9_3b5	
V627	c9_4a1	Transport performance - in house	
V628	c9_4a2	Transport performance - outsourced (another unit - same firm)	
V629	c9_4a3	Transport performance - outsourced (another firm)	
V630	c9_4b1	Transp. perf. - manually	
V631	c9_4b2	Transp. perf. - computer (non-specialized software)	
V632	c9_4b3	Transp. perf. - computer (specialised transp. reporting)	
V633	c9_4b4	Transp. perf. - installed software	
V634	c9_4b5	Transp. perf. - file exchange between ERP integrated	
V635	c9_4b6	Transp. perf. - Other	
V636	c9_4c	Transp. Perf. - MOST used method	
V637	c9_4d	Years using c9_4b3, c9_4b4, c9_4b5	
V638	c9_5a1	Fleet assets - in house	
V639	c9_5a2	Fleet assets - outsourced (another unit - same firm)	
V640	c9_5a3	Fleet assets - outsourced (another firm)	
V641	c9_5b1	Fleet management - manual	
V642	c9_5b2	Fleet management - electronic file	
V643	c9_5b3	Fleet management - ETM	
V644	c9_5b4	Fleet management - ERP and software	
V645	c9_5b5	Fleet management - Other	
V646	c9_5c	Fleet management - MOST used method	
V647	c9_5d	Years using c9_5b3, c9_5b4	
V648	c10_0	Complexity of health treatment	
V649	c10_0a	No. of patients per day	
V650	c10_0b	No. of patients night, per day	
V651	c10_0c	No. of full-time doctors	
V652	c10_0d	No. of full-time nurses	
V653	c10_1a1	Hosp. facilities - ER	
V654	c10_1a2	Hosp. facilities - Postoperative care area	
V655	c10_1a3	Hosp. facilities - ICU	
V656	c10_1a4	Hosp. facilities - Blood Bank	
V657	c10_1a5	Hosp. facilities - Testing labs	
V658	c10_1a6	Hosp. facilities - X-ray	
V659	c10_1a7	Hosp. facilities - ultrasound machine	
V660	c10_1a8	Hosp. facilities - CT scan	
V661	c10_1a9	Hosp. facilities - MRI machine	
V662	c10_1a11	Hosp. facilities - Pulse oximetry	
V663	c10_1a12	Hosp. facilities - ECG	
V664	c10_1b1	Hosp. facilities - ER no.	
V665	c10_1b2	Hosp. facilities - Postoperative care area no.	
V666	c10_1b3	Hosp. facilities - ICU no.	
V667	c10_1b4	Hosp. facilities - Blood Bank no.	

ID	Name	Label	Question
V668	c10_1b5	Hosp. facilities - Testing labs no.	
V669	c10_1b6	Hosp. facilities - X-ray no.	
V670	c10_1b7	Hosp. facilities - ultrasound machine no.	
V671	c10_1b8	Hosp.facilities - CT scan no.	
V672	c10_1b9	Hosp. facilities - MRI machine no.	
V673	c10_1b11	Hosp. facilities - Pulse oximetry no.	
V674	c10_1b12	Hosp. facilities - ECG no.	
V675	c10_2a1	Appt. - in house	
V676	c10_2a2	Appt. - outsourced (another unit - same firm)	
V677	c10_2a3	Appt. - outsourced (another firm)	
V678	c10_2b1	Scheduling - Personal visit and paper	
V679	c10_2b2	Scheduling - Phone call, SMS, or Email	
V680	c10_2b3	Scheduling - Software or app (w/o automated reminders)	
V681	c10_2b4	Scheduling - Software or app (w automated reminders)	
V682	c10_2b5	Scheduling - Other	
V683	c10_2c	Scheduling - MOST used method	
V684	c10_2d	Years using c10_2b3, c10_2b4	
V685	c10_3a1	Patient records - in house	
V686	c10_3a2	Patient records - outsourced (another unit - same firm)	
V687	c10_3a3	Patient records - outsourced (another firm)	
V688	c10_3b1	Patient records - Handwritten process	
V689	c10_3b2	Patient records - Digital patient records	
V690	c10_3b3	Patient records - EHR	
V691	c10_3b4	Patient records - Cloud-based HER	
V692	c10_3b5	Patient records - Other	
V693	c10_3c	Patient record - MOST used method	
V694	c10_3d	Years using c10_3b3, c10_3b4	
V695	c10_4a1	Pharmacy - in house	
V696	c10_4b1	Medication - Internal Pharmacy	
V697	c10_4b2	Medication - Order of medication	
V698	c10_4c1	Med. mgt./admin. - Handwritten	
V699	c10_4c2	Med. mgt./admin. - Barcode/electronic id	
V700	c10_4c3	Med. mgt./admin. - Other	
V701	c10_4d	Years using c10_4c2	
V702	c10_5a1	Sepsis treat. - antibiotics	
V703	c10_5a2	Sepsis treat. - adv. therapies	
V704	c10_5b1	Childbirth - C-section	
V705	c10_5b2	Childbirth - High-risk labor	
V706	c10_5c1	Trauma - Traction (closed fracture)	
V707	c10_5c2	Trauma - Open Treatment of Fracture	
V708	c10_5d1	Myocardial infarction/Stroke - defibrillation	
V709	c10_5d2	Myocardial infarction/Stroke - angiography	
V710	c11_01a	Material - natural leather	
V711	c11_01b	Material - man-made leather	
V712	c11_01c	Material - textile	

ID	Name	Label	Question
V713	c11_01d	Material - synthetic + textile	
V714	c11_01e	Material - synthetic + textile + leather	
V715	c11_01f	Material - other	
V716	c11_1a1	Provide files for design	
V717	c11_1a2	Most common files	
V718	c11_1a3	Design drawing - in house	
V719	c11_1a4	Design drawing - outsourced (another unit - same firm)	
V720	c11_1a5	Design drawing - outsourced (another firm)	
V721	c11_1b1	Design - Manual	
V722	c11_1b2	Design - Digital or semi-digital	
V723	c11_1b3	Design - CAD, 3D, or virtual	
V724	c11_1b4	Design - Other	
V725	c11_1c	Design - MOST used method	
V726	c11_1d	Years using c11_1b2, c11_1b3	
V727	c11_02a	Leather goods - basic	
V728	c11_02b	Leather goods - fashion	
V729	c11_02c	Leather goods - sports	
V730	c11_02d	Leather goods - shoes	
V731	c11_02e	Leather goods - other	
V732	c11_2a1	Cutting - in-house	
V733	c11_2a2	Cutting - outsourced (another unit - same firm)	
V734	c11_2a3	Cutting - outsourced (another firm)	
V735	c11_2b1	Cutting - Manual	
V736	c11_2b2	Cutting - Machine manually-operated	
V737	c11_2b3	Cutting - Semi-automatic machine	
V738	c11_2b4	Cutting - Automatic/Computerised (no Laser)	
V739	c11_2b5	Cutting - Automatic/Computerised (Laser)	
V740	c11_2b6	Cutting - Other	
V741	c11_2c	Cutting - MOST used method	
V742	c11_2d	Years using c11_2b4, c11_2b5	
V743	c11_03a	Finishes - screen print	
V744	c11_03b	Finishes - embroidery	
V745	c11_03c	Finishes - seamless	
V746	c11_03d	Finishes - ink or wax	
V747	c11_03e	Finishes - waterproofing	
V748	c11_03f	Finishes - other	
V749	c11_3a1	Sewing - in-house	
V750	c11_3a2	Sewing - outsourced (another unit - same firm)	
V751	c11_3a3	Sewing - outsourced (another firm)	
V752	c11_3b1	Sewing - Manually	
V753	c11_3b2	Sewing - Machine (manually)	
V754	c11_3b3	Sewing - Machine (semi-automated)	
V755	c11_3b4	Sewing - Machine (automated)	
V756	c11_3b5	Sewing - 3D Knitting	
V757	c11_3b6	Sewing - Other	

ID	Name	Label	Question
V758	c11_3c	Sewing - MOST used method	
V759	c11_3d	Years using c11_3b3, c11_3b4, c11_cb5	
V760	c11_4a1	Assembly/Finishing - in-house	
V761	c11_4a2	Assembly/Finishing - outsourced (another unit - same firm)	
V762	c11_4a3	Assembly/Finishing - outsourced (another firm)	
V763	c11_4b1	Assembly/Finishing - manual	
V764	c11_4b2	Assembly/Finishing - conveyor/assembly (static/semi-automated)	
V765	c11_4b3	Assembly/Finishing - conveyor/assembly (dynamic/automated)	
V766	c11_4b4	Assembly/Finishing - injection machine	
V767	c11_4b5	Assembly/Finishing - 3D printing	
V768	c11_4b6	Assembly/Finishing - Other	
V769	c11_4c	Assembly/Finishing - MOST used method	
V770	c11_4d	Years using c11_4b3, c11_4b4, c11_4b5	
V771	c12_0	Accommodation classification	
V772	c12_0a	No. of rooms available	
V773	c12_0b	Max. capacity of guests	
V774	c12_0c	N rooms - internet connection	
V775	c12_0d	N rooms - AC	
V776	c12_0e	N rooms - TV	
V777	c12_0f	N rooms - cable	
V778	c12_0g	N rooms - minibar	
V779	c12_0h	N rooms - coffee maker	
V780	c12_0i	N rooms - telephone	
V781	c12_0j	N rooms - hairdryer	
V782	c12_0k	N of years with internet connections	
V783	c12_1a1	Reservations - in house	
V784	c12_1a2	Reservations - outsourced (another unit - same firm)	
V785	c12_1a3	Reservations - outsourced (another firm)	
V786	c12_1b1	Reservations - handwritten	
V787	c12_1b2	Reservations - digital (std software)	
V788	c12_1b3	Reservations - dedicated	
V789	c12_1b4	Reservations - PMS	
V790	c12_1b5	Reservations - cloud-based	
V791	c12_1b6	Reservations - other	
V792	c12_1c	Reservations - MOST used method	
V793	c12_1d	Years using c12_1b3, c12_1b4, c12_1b5	
V794	c12_1e1	Online travel agency for booking	
V795	c12_1e2	Share of booking - online agency	
V796	c12_1e3	Online travel agency - MOST used	
V797	c12_1e4_1	Online agency - Booking.com	
V798	c12_1e4_2	Online agency - Trip Advisor	
V799	c12_1e4_3	Online agency - Expedia	
V800	c12_1e4_4	Online agency - AirBnB	
V801	c12_1e4_5	Online agency - Others	
V802	c12_1e5	Other online agencies	

ID	Name	Label	Question
V803	c12_2a1	Accom Pricing - in house	
V804	c12_2a2	Accom Pricing - outsourced (another unit - same firm)	
V805	c12_2a3	Accom Pricing - outsourced (another firm)	
V806	c12_2b1	Accom Pricing - manual cost	
V807	c12_2b2	Accom Pricing - automated markup	
V808	c12_2b3	Accom Pricing - automated promotional	
V809	c12_2b4	Accom Pricing - dynamic pricing	
V810	c12_2b5	Accom Pricing - personalised pricing	
V811	c12_2b6	Accom Pricing - other	
V812	c12_2c	Accom Pricing - MOST used method	
V813	c12_2d	Years using c12_2b4, c12_2b5	
V814	c12_2da	Regulation limiting price accom	
V815	c12_2db	Agency regulating price accom	
V816	c12_3a1	Housekeeping - in house	
V817	c12_3a2	Housekeeping - outsourced (another unit - same firm)	
V818	c12_3a3	Housekeeping - outsourced (another firm)	
V819	c12_3b1	Housekeeping - handwritten	
V820	c12_3b2	Housekeeping - digital (std. software)	
V821	c12_3b3	Housekeeping - dedicated	
V822	c12_3b4	Housekeeping - PMS	
V823	c12_3b5	Housekeeping - cloud-based	
V824	c12_3b6	Housekeeping - other	
V825	c12_3d	Years using c12_3b3, c12_3b4, c12_3b5	
V826	c12_3e1	Use vacuum cleaner	
V827	c12_3e2	N of vacuum cleaners used	
V828	c12_4a1	Laundry - in house	
V829	c12_4a2	Laundry - outsourced (another unit - same firm)	
V830	c12_4a3	Laundry - outsourced (another firm)	
V831	c12_4b1	Laundry - manual	
V832	c12_4b2	Laundry - domestic	
V833	c12_4b3	Laundry - industrial (w automatic sheet fold)	
V834	c12_4b4	Laundry - industrial (w/o automatic sheet fold)	
V835	c12_4b5	Laundry - other	
V836	c12_4c	Laundry - MOST used method	
V837	c12_4d	Years using c12_4c	
V838	c12_5a1	F and B - in house	
V839	c12_5a2	F and B - outsourced (another unit - same firm)	
V840	c12_5a3	F and B - outsourced (another firm)	
V841	c12_5b1	PoS - handwritten	
V842	c12_5b2	PoS - digital records	
V843	c12_5b3	PoS - specialised software	
V844	c12_5b4	PoS - PMS	
V845	c12_5b5	PoS - cloud-based	
V846	c12_5b6	PoS - other	
V847	c12_5c	PoS - MOST used method	

ID	Name	Label	Question
V848	c12_6a1	N. reviews - Booking.com	
V849	c12_6a2	Rate - Booking.com	
V850	c12_6b1	N. reviews - Trip Advisor	
V851	c12_6b2	Rate - Trip Advisor	
V852	c12_6c1	N. reviews - Expedia	
V853	c12_6c2	Rate - Expedia	
V854	c12_6d1	N. reviews - AirBnB	
V855	c12_6d2	Rate - AirBnB	
V856	d1a	Purchase/Lease - Equip. or Mach.	
V857	d1b	Purchase or Lease - Software License	
V858	d1c	Dev., Custom. or Modif. of Machine or Software	
V859	d2a	Most used info. source for decision making	
V860	d2d	Business Relationship - Multinational firm	
V861	d2e	CEO Experience - Large firm in same sector/multinational firm	
V862	d3a	Loan - mach., equip or licensing	
V863	d3c	No. - needed to borrow but not get it	
V864	d4a	Formal Incentives - Money, gift, or recognition	
V865	d4b	No. KPIs monitored	
V866	d6a	Did export?	
V867	d6b	Direct Exports (% of sales)	
V868	d6c	Imported inputs, machines or equipment?	
V869	d7a	Awareness - govt. support program/subsidy for tech. adoption	
V870	d7b	Benefitted from any govt. program/subsidy	
V871	d7c	Which kind of govt program/subsidy benefitted from	
V872	d7c_1	Govt support - information	
V873	d7c_2	Govt support - tech assistance	
V874	d7c_3	Govt support - tax incentive	
V875	d7c_4	Govt support - grant	
V876	d7c_5	Govt support - loan	
V877	d7c_6	Govt support - other	
V878	e1	Total no. workers by end of (ref_year1)	
V879	e1a	No. of permanent workers, full-time (ref_year1)	
V880	e1f	Total share of female workers (ref_year1)	
V881	e2	Total no. workers by end of (ref_year2)	
V882	e3a	No. of CEOs and Managers (ref_year1)	
V883	e3d	No. of Clerical support workers (ref_year1)	
V884	e3e	No. of Production workers (ref_year1)	
V885	e3f	No. of Service or sales workers (ref_year1)	
V886	e3h	No. of workers dedicated to R&D activities?	
V887	e4a	No. of CEOs and Managers (ref_year2)	
V888	e4d	No. of Clerical support workers (ref_year2)	
V889	e4e	No. of Production workers (ref_year2)	
V890	e4f	No. of Service or sales workers (ref_year2)	
V891	e5b	% of workers - completed secondary education	
V892	e5c	% of workers - vocational training	

ID	Name	Label	Question
V893	e5d	% of workers - completed college degree or more	
V894	e6a	Total sales (ref_year1)	
V895	e6b	Total sales (ref_year2)	
V896	e7a	Total labor cost (ref_year1)	
V897	e7b	Total material cost (ref_year1)	
V898	e7c	Total energy cost (ref_year1)	
V899	e7d	Operation cost (ref_year1)	
V900	e8a	Equipment cost (ref_year1)	
V901	e8b	Building cost (ref_year1)	
V902	s2e	State/Province	
V903	s4	Multi-Establishment	
V904	s4a	No. of establishments	
V905	s7	How many workers does this establishment have?	
V906	country		
V907	country_code	Country Code	
V908	firmed		
V909	s1a_rev		
V910	s1b_rev		
V911	s1c_rev		
V912	formality	Formal Sector	
V913	base_wt	Sampling Weight	
V914	survey_year	Survey Year	
V915	ref_year1	Reference Year 1	
V916	ref_year2	Reference Year 2	
V917	s2f	Country	
V918	d8a	1st obstacle to adopt technology	
V919	d8b	2nd obstacle to adopt technology	
V920	d8c	3rd obstacle to adopt technology	
V921	d8d	1st reason for the acquisition of technology	
V922	d8e	2nd reason for the acquisition of technology	
V923	d8f	3rd reason for the acquisition of technology	
V924	s1a	Sampling sector	
V925	s1b	Sampling size	
V926	s1c	Sampling location	

Total: 926



**FIRM\_ID: Firm ID****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: 110001 Maximum: 6990666  
 Type: Discrete Decimal: 0 Width: 10 Range: 110001 - 6990666 Format: Numeric

**A7D: Top Manager - Studied Abroad****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	9	0.7%
-7	Not Applicable	0	0%
1	Yes	233	18.5%
2	No	1020	80.8%

**A3B: Private foreign ownership %****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 100 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	6	0.5%
-7	Not Applicable	0	0%
0		1089	86.3%
1		6	0.5%
3		1	0.1%
5		10	0.8%
6		1	0.1%

8		1	0.1%
10		1	0.1%
20		4	0.3%
30		10	0.8%
40		8	0.6%
49		1	0.1%
50		16	1.3%
51		1	0.1%
60		4	0.3%
70		4	0.3%
80		7	0.6%
90		2	0.2%
95		5	0.4%
98		1	0.1%
100		84	6.7%

#### A4B: Founder - Ownership

Data file: fat\_ghana\_disclosure

##### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 3

Type: Discrete Decimal: 0 Width: 55 Range: -9 - 3 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	5	0.4%
-7	Not applicable	3	0.2%
1	Founder	995	78.8%
2	Founder's family	127	10.1%
3	No	132	10.5%

#### A4E: Female Owner

Data file: fat\_ghana\_disclosure

##### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	64	5.1%
-7	Not Applicable	0	0%
1	Yes	251	19.9%
2	No	947	75%

### A5A: Sector - group

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 102

Type: Discrete Decimal: 0 Width: 30 Range: 1 - 102 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Agriculture	60	4.8%
2	Livestock	25	2%
3	Food Processing	139	11%
4	Wearing apparel	8	0.6%
5	Motor vehicles	12	1%
6	Pharmaceuticals	7	0.6%
7	Wholesale or retail	172	13.6%
8	Financial services	90	7.1%
9	Land transport	43	3.4%
10	Health services	106	8.4%
11	Leather goods	3	0.2%
12	Accommodation	75	5.9%
13	Bricks	0	0%
14	Cement	0	0%
15	Iron and Steel	0	0%
101	Other manufacturing	106	8.4%
102	Other services	416	33%

**A6: Year of beginning operations****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2017  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2017 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	0.3%
-7	Not Applicable	0	0%
1854		1	0.1%
1922		1	0.1%
1929		1	0.1%
1937		1	0.1%
1945		2	0.2%
1947		1	0.1%
1949		1	0.1%
1950		1	0.1%
1953		1	0.1%
1954		3	0.2%
1955		3	0.2%
1957		7	0.6%
1958		1	0.1%
1959		2	0.2%
1960		4	0.3%
1961		4	0.3%
1962		1	0.1%
1963		1	0.1%
1964		1	0.1%
1965		2	0.2%
1966		2	0.2%
1967		4	0.3%
1968		2	0.2%
1969		2	0.2%
1970		3	0.2%
1971		1	0.1%
1972		3	0.2%
1973		1	0.1%

1974		6	0.5%
1975		4	0.3%
1976		1	0.1%
1977		5	0.4%
1978		5	0.4%
1979		2	0.2%
1980		12	1%
1981		8	0.6%
1982		4	0.3%
1983		10	0.8%
1984		12	1%
1985		7	0.6%
1986		6	0.5%
1987		11	0.9%
1988		9	0.7%
1989		6	0.5%
1990		28	2.2%
1991		19	1.5%
1992		10	0.8%
1993		15	1.2%
1994		14	1.1%
1995		26	2.1%
1996		30	2.4%
1997		18	1.4%
1998		43	3.4%
1999		24	1.9%
2000		58	4.6%
2001		48	3.8%
2002		45	3.6%
2003		35	2.8%
2004		56	4.4%
2005		60	4.8%
2006		55	4.4%
2007		65	5.2%
2008		71	5.6%
2009		91	7.2%
2010		80	6.3%
2011		71	5.6%
2012		55	4.4%

2013		31	2.5%
2014		22	1.7%
2015		11	0.9%
2016		7	0.6%
2017		5	0.4%

## A7A: Top Manager - Experience Same Sector

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 25 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	5	0.4%
-7	Not Applicable	0	0%
1		4	0.3%
2		4	0.3%
3		5	0.4%
4		11	0.9%
5		17	1.3%
6		20	1.6%
7		18	1.4%
8		64	5.1%
9		56	4.4%
10		134	10.6%
11		70	5.5%
12		77	6.1%
13		65	5.2%
14		43	3.4%
15		166	13.2%
16		43	3.4%
17		43	3.4%
18		57	4.5%
19		34	2.7%
20		146	11.6%

21		45	3.6%
22		39	3.1%
23		28	2.2%
24		21	1.7%
25		47	3.7%

## A7B: Top Manager - Female

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	0.2%
-7	Not Applicable	0	0%
1	Yes	190	15.1%
2	No	1069	84.7%

## A7C: Top Manager - Highest Education

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 36 Range: -9 - 6 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know	5	0.4%
0		8	0.6%
1	Primary school	64	5.1%
2	Secondary school	104	8.2%
3	Complete high-school	98	7.8%
4	College degree	382	30.3%
5	Post-Graduation (MBA, Master or PhD)	526	41.7%

6	Vocational training	75	5.9%
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## B1C: Power Outages - Monthly

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 90  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 90 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	0.2%
-7	Not Applicable	0	0%
0		47	3.7%
1		83	6.6%
2		198	15.7%
3		125	9.9%
4		112	8.9%
5		103	8.2%
6		130	10.3%
7		22	1.7%
8		87	6.9%
9		25	2%
10		34	2.7%
11		2	0.2%
12		31	2.5%
13		13	1%
14		8	0.6%
15		22	1.7%
16		11	0.9%
17		4	0.3%
18		2	0.2%
19		1	0.1%
20		21	1.7%
21		5	0.4%
22		9	0.7%
23		6	0.5%

24		1	0.1%
25		4	0.3%
26		1	0.1%
27		2	0.2%
29		1	0.1%
30		7	0.6%
31		5	0.4%
32		4	0.3%
33		3	0.2%
34		1	0.1%
35		2	0.2%
37		1	0.1%
38		3	0.2%
40		12	1%
41		6	0.5%
42		3	0.2%
43		4	0.3%
44		6	0.5%
46		1	0.1%
48		2	0.2%
50		12	1%
51		2	0.2%
52		2	0.2%
53		3	0.2%
54		2	0.2%
55		7	0.6%
56		6	0.5%
57		2	0.2%
58		6	0.5%
60		6	0.5%
61		1	0.1%
64		1	0.1%
65		3	0.2%
66		3	0.2%
68		3	0.2%
70		7	0.6%
72		1	0.1%
75		1	0.1%
78		1	0.1%

80		15	1.2%
82		2	0.2%
90		3	0.2%

## B2A: Own/Share Generator

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	676	53.6%
2	No	586	46.4%

## B2C: Main source of energy

Data file: fat\_ghana\_disclosure

### Overview

Valid: 676 Invalid: 586 Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 30 Range: 1 - 6 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Solar power	4	0.6%
2	Fuel	372	55%
3	Grid or Battery-stored backup	296	43.8%
4	Wind power	0	0%
5	Other	3	0.4%
6	Gas	1	0.1%
Sysmiss		586	

**B3B: No. of mobile lines**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: 0 Maximum: 328

Type: Discrete Decimal: 0 Width: 14 Range: 0 - 328 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		139	11%
1		330	26.1%
2		446	35.3%
3		143	11.3%
4		58	4.6%
5		34	2.7%
6		13	1%
7		19	1.5%
8		18	1.4%
9		4	0.3%
10		14	1.1%
11		2	0.2%
12		5	0.4%
13		4	0.3%
14		2	0.2%
15		8	0.6%
16		2	0.2%
17		1	0.1%
18		4	0.3%
19		1	0.1%
20		5	0.4%
21		1	0.1%
25		1	0.1%
30		1	0.1%
32		1	0.1%
40		1	0.1%

45		1	0.1%
70		1	0.1%
73		1	0.1%
100		1	0.1%
328		1	0.1%

## B4A: No. of Desktop or Laptops

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: 0 Maximum: 804

Type: Discrete Decimal: 0 Width: 14 Range: 0 - 804 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		340	26.9%
1		162	12.8%
2		152	12%
3		91	7.2%
4		55	4.4%
5		78	6.2%
6		81	6.4%
7		24	1.9%
8		54	4.3%
9		33	2.6%
10		34	2.7%
11		12	1%
12		22	1.7%
13		13	1%
14		7	0.6%
15		25	2%
16		3	0.2%
18		6	0.5%
20		16	1.3%
21		1	0.1%

22		2	0.2%
23		2	0.2%
25		10	0.8%
26		2	0.2%
30		8	0.6%
32		1	0.1%
35		5	0.4%
40		8	0.6%
45		1	0.1%
50		6	0.5%
55		1	0.1%
64		1	0.1%
70		2	0.2%
100		1	0.1%
108		1	0.1%
200		1	0.1%
804		1	0.1%

## B4B: No. of Tablets or Smartphones

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: 0 Maximum: 328

Type: Discrete Decimal: 0 Width: 14 Range: 0 - 328 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		371	29.4%
1		355	28.1%
2		286	22.7%
3		82	6.5%
4		47	3.7%
5		49	3.9%
6		15	1.2%
7		6	0.5%

8		12	1%
9		6	0.5%
10		15	1.2%
11		2	0.2%
12		3	0.2%
15		5	0.4%
16		1	0.1%
17		1	0.1%
18		1	0.1%
30		1	0.1%
87		1	0.1%
100		2	0.2%
328		1	0.1%

## B5A: Internet connection

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	646	51.2%
2	No	616	48.8%

## B5B: Fastest Internet Connection

Data file: fat\_ghana\_disclosure

### Overview

Valid: 646 Invalid: 616 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 27 Range: 1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Dial up	22	3.4%
2	DSL or Fiber	185	28.6%
3	Wireless or Satellite	437	67.6%
4	BPL	2	0.3%
5	Other	0	0%
Sysmiss		616	

### B5C: No. of internet service downs

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: 0 Maximum: 240  
 Type: Discrete Decimal: 0 Width: 8 Range: 0 - 240 Format: Numeric

### B5D: Length of the Internet service down-hours

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 530 Invalid: 732 Minimum: -9 Maximum: 300  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 300 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.2%
-7	Not Applicable	0	0%
0		4	0.8%
1		144	27.2%
2		166	31.3%
3		64	12.1%
4		32	6%
5		18	3.4%
6		17	3.2%
7		6	1.1%
8		15	2.8%
9		7	1.3%
10		2	0.4%

11		3	0.6%
12		6	1.1%
15		1	0.2%
16		3	0.6%
17		1	0.2%
20		3	0.6%
22		1	0.2%
23		1	0.2%
24		15	2.8%
30		1	0.2%
48		6	1.1%
50		2	0.4%
72		8	1.5%
76		1	0.2%
80		1	0.2%
300		1	0.2%
Sysmiss		732	

### B5E: Length of the Internet service down-minutes

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
Sysmiss	

### B5F: Own Website

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 646 Invalid: 616 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	491	76%
2	No	155	24%
Sysmiss		616	

## B5G: Online Social Media

Data file: fat\_ghana\_disclosure

### Overview

Valid: 646 Invalid: 616 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.2%
-7	Not Applicable	0	0%
1	Yes	385	59.6%
2	No	260	40.2%
Sysmiss		616	

## B5H: Cloud Computer Services

Data file: fat\_ghana\_disclosure

### Overview

Valid: 646 Invalid: 616 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	0.5%
-7	Not Applicable	0	0%

1	Yes	328	50.8%
2	No	315	48.8%
Sysmiss		616	

## B7A: Production compared to other firms in country

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 10

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		36	2.9%
2		61	4.8%
3		71	5.6%
4		89	7.1%
5		144	11.4%
6		129	10.2%
7		153	12.1%
8		205	16.2%
9		247	19.6%
10		127	10.1%

## B7B: Production compared to other firms in world

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 10

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 10 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
1		253	20%
2		152	12%
3		156	12.4%
4		137	10.9%
5		148	11.7%
6		125	9.9%
7		154	12.2%
8		64	5.1%
9		51	4%
10		22	1.7%

### B8A1: Business Administration - Handwritten Processes

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1177	93.3%
2	No	85	6.7%

### B8A2: Business Administration - Computers (standard softwares)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.1%

-7	Not Applicable	0	0%
1	Yes	851	67.4%
2	No	410	32.5%

### B8A3: Business Administration - Mobile Apps or Digital Platform

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	0.2%
-7	Not Applicable	0	0%
1	Yes	269	21.3%
2	No	991	78.5%

### B8A4: Business Administration - Computers (specialised softwares)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	0.2%
-7	Not Applicable	0	0%
1	Yes	536	42.5%
2	No	723	57.3%

### B8A5: Business Administration - ERP

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	7	0.6%
-7	Not Applicable	0	0%
1	Yes	219	17.4%
2	No	1036	82.1%

**B8A6: Business Administration - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	0.3%
-7	Not Applicable	0	0%
1	Yes	55	4.4%
2	No	1203	95.3%

**B8B: Business Administration - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 861 Invalid: 401 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 59 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Business Administration - Handwritten Processes	159	18.5%

2	Business Administration - Computers (standard softwares)	408	47.4%
3	Business Administration - Mobile Apps or Digital Platform	4	0.5%
4	Business Administration - Computers (specialised softwares)	275	31.9%
5	Business Administration - ERP	15	1.7%
6	Business Administration - Other	0	0%
Sysmiss		401	

## B8C: Years using b8a4, b8a5

Data file: fat\_ghana\_disclosure

### Overview

Valid: 546 Invalid: 716 Minimum: -9 Maximum: 40  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 40 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	0.7%
-7	Not Applicable	0	0%
1		5	0.9%
2		3	0.5%
3		9	1.6%
4		6	1.1%
5		48	8.8%
6		27	4.9%
7		20	3.7%
8		129	23.6%
9		77	14.1%
10		84	15.4%
11		9	1.6%
12		20	3.7%
13		9	1.6%
14		5	0.9%
15		39	7.1%
16		5	0.9%
17		4	0.7%
18		5	0.9%
19		3	0.5%

20		25	4.6%
25		4	0.7%
30		2	0.4%
33		1	0.2%
35		2	0.4%
40		1	0.2%
Sysmiss		716	

## B9A1: Production Planning - Handwritten processes

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	0.2%
-7	Not Applicable	0	0%
1	Yes	1150	91.1%
2	No	110	8.7%

## B9A2: Production Planning - Computers (standard softwares)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.1%
-7	Not Applicable	0	0%
1	Yes	811	64.3%
2	No	450	35.7%

**B9A3: Production Planning - Mobile Apps or digital platforms**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.1%
-7	Not Applicable	0	0%
1	Yes	282	22.3%
2	No	979	77.6%

**B9A4: Production Planning - Specialized software**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	5	0.4%
-7	Not Applicable	0	0%
1	Yes	358	28.4%
2	No	899	71.2%

**B9A5: Production Planning - ERP**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	9	0.7%
-7	Not Applicable	0	0%
1	Yes	219	17.4%
2	No	1034	81.9%

### B9A6: Production Planning - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	7	0.6%
-7	Not Applicable	0	0%
1	Yes	53	4.2%
2	No	1202	95.2%

### B9B: Production Planning - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 822 Invalid: 440 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Production Planning - Handwritten processes	138	16.8%
2	Production Planning - Computers (standard softwares)	519	63.1%
3	Production Planning - Mobile Apps or digital platforms	4	0.5%
4	Production Planning - Specialized software	81	9.9%

5	Production Planning - ERP	80	9.7%
6	Production Planning - Other	0	0%
Sysmiss		440	

### B10A: Supply Mgt. - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 750 Invalid: 512 Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 6 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
1	Suppliers - manual search	259	34.5%
2	Suppliers - management of supply chain info	424	56.5%
3	Suppliers - online social media	14	1.9%
4	Suppliers - SRM (not integrated w prod planning)	26	3.5%
5	Suppliers - SRM (integrated w prod planning)	26	3.5%
6	Suppliers - other	1	0.1%
Sysmiss		512	

### B10A1: Suppliers - manual search

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.1%
-7	Not Applicable	0	0%
1	Yes	1210	95.9%
2	No	51	4%

**B10A2: Suppliers - management of supply chain info**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	0.2%
-7	Not Applicable	0	0%
1	Yes	702	55.6%
2	No	557	44.1%

**B10A3: Suppliers - online social media**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	0.2%
-7	Not Applicable	0	0%
1	Yes	379	30%
2	No	881	69.8%

**B10A4: Suppliers - SRM (not integrated w prod planning)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	9	0.7%
-7	Not Applicable	0	0%
1	Yes	163	12.9%
2	No	1090	86.4%

### B10A5: Suppliers - SRM (integrated w prod planning)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	11	0.9%
-7	Not Applicable	0	0%
1	Yes	156	12.4%
2	No	1095	86.8%

### B10A6: Suppliers - other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	10	0.8%
-7	Not Applicable	0	0%
1	Yes	31	2.5%
2	No	1221	96.8%

**B11A1: Marketing - Face to Face Chat**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1219	96.6%
2	No	43	3.4%

**B11A2: Marketing - Online Chat**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	0.2%
-7	Not Applicable	0	0%
1	Yes	712	56.4%
2	No	548	43.4%

**B11A3: Marketing - Structured Surveys**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.1%
-7	Not Applicable	0	0%
1	Yes	442	35%
2	No	819	64.9%

## B11A4: Marketing - CRM

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	5	0.4%
-7	Not Applicable	0	0%
1	Yes	211	16.7%
2	No	1046	82.9%

## B11A5: Marketing - Big Data Analytics

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	18	1.4%
-7	Not Applicable	0	0%
1	Yes	66	5.2%
2	No	1178	93.3%

**B11A6: Marketing - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	7	0.6%
-7	Not Applicable	0	0%
1	Yes	34	2.7%
2	No	1221	96.8%

**B11B: Marketing - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 808 Invalid: 454 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Marketing - Face to Face Chat	537	66.5%
2	Marketing - Online Chat	66	8.2%
3	Marketing - Structured Surveys	166	20.5%
4	Marketing - CRM	35	4.3%
5	Marketing - Big Data Analytics	4	0.5%
6	Marketing - Other	0	0%
Sysmiss		454	

**B12A1: Fabrication - Manual**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 169 Invalid: 1093 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	162	95.9%
2	No	7	4.1%
Sysmiss		1093	

### B12A2: Fabrication - Machines w/o computer

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 169    Invalid: 1093    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	100	59.2%
2	No	69	40.8%
Sysmiss		1093	

### B12A3: Fabrication - Computer

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 169    Invalid: 1093    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

## Questions and instructions

---

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	19	11.2%
2	No	150	88.8%
Sysmiss		1093	

### B12A4: Fabrication - Robots

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 169 Invalid: 1093 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	169	100%
Sysmiss		1093	

### B12A5: Fabrication - Additive manufacturing

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 169 Invalid: 1093 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	1.2%
2	No	167	98.8%
Sysmiss		1093	

**B12A6: Fabrication - Other Adv. Processes**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 169 Invalid: 1093 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	1.8%
2	No	166	98.2%
Sysmiss		1093	

**B12A7: Fabrication - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 169 Invalid: 1093 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	0.6%
2	No	168	99.4%
Sysmiss		1093	

**B12B: Fabrication - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 99 Invalid: 1163 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 79 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Fabrication - Manual	23	23.2%
2	Fabrication - Machines w/o computer	67	67.7%
3	Fabrication - Computer	9	9.1%
4	Fabrication - Robots	0	0%
5	Fabrication - Additive manufacturing	0	0%
6	Fabrication - Other Adv. Processes	0	0%
7	Fabrication - Other	0	0%
Sysmiss		1163	

### B12C: Years using b12a3, b12a4, b12a5, b12a6

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 20 Invalid: 1242 Minimum: 5 Maximum: 50  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 50 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		1	5%
8		6	30%
9		2	10%
10		5	25%
12		1	5%
15		2	10%
30		1	5%
35		1	5%
50		1	5%
Sysmiss		1242	

**B13A: Direct sale****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1181	93.6%
2	No	81	6.4%

**B13B1: Sales - Establishment Premises****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1211	96%
2	No	51	4%

**B13B2: Sales - Phone, email or sales representatives****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.1%
-7	Not Applicable	0	0%
1	Yes	892	70.7%
2	No	369	29.2%

### B13B3: Sales - Social media platforms/apps

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.1%
-7	Not Applicable	0	0%
1	Yes	481	38.1%
2	No	780	61.8%

### B13B4: Sales - Online Sales (ext. dig. platforms)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	0.2%
-7	Not Applicable	0	0%
1	Yes	71	5.6%
2	No	1188	94.1%

**B13B5: Sales - Online Sales (own website)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	0.2%
-7	Not Applicable	0	0%
1	Yes	143	11.3%
2	No	1117	88.5%

**B13B6: Sales - Electronic orders**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	16	1.3%
-7	Not Applicable	0	0%
1	Yes	61	4.8%
2	No	1185	93.9%

**B13B7: Sales - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	0.3%
-7	Not Applicable	0	0%
1	Yes	26	2.1%
2	No	1232	97.6%

### B13C: Sales - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 915 Invalid: 347 Minimum: -9 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 61 Range: -9 - 7 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9		1	0.1%
1	Sales - Establishment Premises	751	82.1%
2	Sales - Phone, email or sales representatives	145	15.8%
3	Sales - Social media platforms/apps	9	1%
4	Sales - Online Sales (ext. dig. platforms)	1	0.1%
5	Sales - Online Sales (own website)	4	0.4%
6	Sales - Electronic orders	3	0.3%
7	Sales - Other	1	0.1%
Sysmiss		347	

### B13D: Years using b12b4, b13b5, b13b6

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 175 Invalid: 1087 Minimum: 1 Maximum: 40  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 40 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1		1	0.6%
2		1	0.6%
3		4	2.3%
4		2	1.1%
5		28	16%
6		4	2.3%
7		2	1.1%
8		40	22.9%
9		29	16.6%
10		30	17.1%
12		7	4%
14		1	0.6%
15		16	9.1%
17		1	0.6%
20		2	1.1%
25		4	2.3%
30		1	0.6%
35		1	0.6%
40		1	0.6%
Sysmiss		1087	

### B13E: What is the share of online sales of this establishment by this method?

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 175 Invalid: 1087 Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 100 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know	1	0.6%
-7	Not applicable	0	0%
0		1	0.6%
1		1	0.6%
5		49	28%
8		1	0.6%
10		21	12%

12		1	0.6%
15		5	2.9%
20		7	4%
23		1	0.6%
25		3	1.7%
30		20	11.4%
32		1	0.6%
35		1	0.6%
40		26	14.9%
45		2	1.1%
50		13	7.4%
55		1	0.6%
60		14	8%
70		2	1.1%
80		1	0.6%
90		1	0.6%
95		1	0.6%
100		1	0.6%
Sysmiss		1087	

## B13E2: Sales share (%) - online (own website)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 175 Invalid: 1087 Minimum: -9 Maximum: 95  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 95 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9.0	Don't Know	1	0.6%
-7.0	Not Applicable	0	0%
0.0		2	1.1%
1.0		1	0.6%
5.0		45	25.7%
6.0		1	0.6%
8.0		1	0.6%
10.0		28	16%

14.0		1	0.6%
15.0		6	3.4%
18.0		1	0.6%
20.0		19	10.9%
25.0		4	2.3%
30.0		22	12.6%
35.0		1	0.6%
40.0		13	7.4%
45.0		2	1.1%
50.0		6	3.4%
60.0		11	6.3%
65.0		1	0.6%
65.69999694824219		1	0.6%
70.0		3	1.7%
80.0		3	1.7%
90.0		1	0.6%
95.0		1	0.6%
Sysmiss		1087	

### B14A1: Payment - goods exchange

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	0.2%
-7	Not Applicable	0	0%
1	Yes	22	1.7%
2	No	1238	98.1%

### B14A2: Payment - cash

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1236	97.9%
2	No	26	2.1%

**B14A3: Payment - Cheque, voucher, bank wire**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	0.2%
-7	Not Applicable	0	0%
1	Yes	874	69.3%
2	No	385	30.5%

**B14A4: Payment - Cards**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	12	1%

-7	Not Applicable	0	0%
1	Yes	252	20%
2	No	998	79.1%

### B14A5: Payment - Online/electronic

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	7	0.6%
-7	Not Applicable	0	0%
1	Yes	320	25.4%
2	No	935	74.1%

### B14A6: Payment - Online (platforms)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	6	0.5%
-7	Not Applicable	0	0%
1	Yes	714	56.6%
2	No	542	42.9%

### B14A7: Payment - Cryptocurrency

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	11	0.9%
-7	Not Applicable	0	0%
1	Yes	34	2.7%
2	No	1217	96.4%

**B14A8: Payment - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	8	0.6%
-7	Not Applicable	0	0%
1	Yes	8	0.6%
2	No	1246	98.7%

**B14B: Payment - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1042 Invalid: 220 Minimum: -9 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 47 Range: -9 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9		1	0.1%

1	Payment - goods exchange	0	0%
2	Payment - cash	875	84%
3	Payment - Cheque, voucher, bank wire	146	14%
4	Payment - Cards	3	0.3%
5	Payment - Online/electronic	13	1.2%
6	Payment - Online (platforms)	3	0.3%
7	Payment - Cryptocurrency	1	0.1%
8	Payment - Other	0	0%
Sysmiss		220	

### B14C: Years using b14a5, b14a6

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 766 Invalid: 496 Minimum: -9 Maximum: 45  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 45 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	0.5%
-7	Not Applicable	0	0%
1		11	1.4%
2		34	4.4%
3		44	5.7%
4		29	3.8%
5		113	14.8%
6		51	6.7%
7		19	2.5%
8		163	21.3%
9		72	9.4%
10		105	13.7%
11		11	1.4%
12		22	2.9%
13		8	1%
14		6	0.8%
15		46	6%
16		2	0.3%

17		1	0.1%
18		3	0.4%
20		12	1.6%
24		1	0.1%
25		3	0.4%
30		2	0.3%
32		1	0.1%
40		2	0.3%
45		1	0.1%
Sysmiss		496	

### B15A1: Quality Control - Manual, Visual or Written

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1229	97.4%
2	No	33	2.6%

### B15A2: Quality Control - Human Inspection

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	0.2%
-7	Not Applicable	0	0%

1	Yes	651	51.6%
2	No	609	48.3%

### B15A3: Quality Control - Statistical Control

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	0.2%
-7	Not Applicable	0	0%
1	Yes	247	19.6%
2	No	1012	80.2%

### B15A4: Quality Control - Automated

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	7	0.6%
-7	Not Applicable	0	0%
1	Yes	73	5.8%
2	No	1182	93.7%

### C1\_0B1: Crops: Info. sources - MOST relevant source

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete    Decimal: 0    Width: 47    Range: -    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Crops: Info. sources - Radio
2	Crops: Info. sources - TV
3	Crops: Info. sources - Non-internet mobile
4	Crops: Info. sources - Mobile internet tech
5	Crops: Info. sources - Meet other producers
6	Crops: Info. sources - Pub. or Pvt. agent visit
7	Crops: Info. sources - Precision agriculture
8	Crops: Info. sources - Others
Sysmiss	

**B15A5: Quality Control - Other**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 1262    Invalid: 0    Minimum: -9    Maximum: 2  
Type: Discrete    Decimal: 0    Width: 14    Range: -9 - 2    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	0.3%
-7	Not Applicable	0	0%
1	Yes	15	1.2%
2	No	1243	98.5%

**B15B: Quality Control - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 656    Invalid: 606    Minimum: 1    Maximum: 5  
Type: Discrete    Decimal: 0    Width: 80    Range: 1 - 5    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Quality Control - Manual, Visual or Written	183	27.9%
2	Quality Control - Human Inspection	421	64.2%
3	Quality Control - Statistical Control	42	6.4%
4	Quality Control - Automated	9	1.4%
5	Quality Control - Other	1	0.2%
Sysmiss		606	

### C1\_0A1: Crops: Info. sources - Radio

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.7%
-7	Not Applicable	0	0%
1	Yes	41	68.3%
2	No	18	30%
Sysmiss		1202	

### C1\_0A2: Crops: Info. sources - TV

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
1	Yes	44	73.3%
2	No	16	26.7%
Sysmiss		1202	

### C1\_0A3: Crops: Info. sources - Non-internet mobile

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	25	41.7%
2	No	35	58.3%
Sysmiss		1202	

### C1\_0A4: Crops: Info. sources - Mobile internet tech

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	22	36.7%
2	No	38	63.3%
Sysmiss		1202	

**C1\_0A5: Crops: Info. sources - Meet other producers**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	37	61.7%
2	No	23	38.3%
Sysmiss		1202	

**C1\_0A6: Crops: Info. sources - Pub. or Pvt. agent visit**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 60 Invalid: 1202 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.7%
-7	Not Applicable	0	0%
1	Yes	24	40%
2	No	35	58.3%
Sysmiss		1202	

**C1\_0A7: Crops: Info. sources - Precision agriculture**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	8	13.3%
2	No	52	86.7%
Sysmiss		1202	

### C1\_0C1: Crops: N acres OWNED

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: -9 Maximum: 8500  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 8500 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	3.3%
-7	Not Applicable	0	0%
0		21	35%
1		1	1.7%
2		2	3.3%
3		1	1.7%
4		3	5%
5		1	1.7%
6		3	5%
7		2	3.3%
10		4	6.7%
12		1	1.7%
15		1	1.7%
20		4	6.7%
40		2	3.3%
200		2	3.3%
240		1	1.7%
248		1	1.7%

250		2	3.3%
300		3	5%
400		2	3.3%
8500		1	1.7%
Sysmiss		1202	

## C1\_OC2: Crops: N acres RENTED or LEASED FROM OTHERS

Data file: fat\_ghana\_disclosure

### Overview

Valid: 60 Invalid: 1202 Minimum: -9 Maximum: 1400  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 1400 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	3.3%
-7	Not Applicable	0	0%
0		46	76.7%
2		1	1.7%
4		2	3.3%
5		2	3.3%
10		2	3.3%
20		2	3.3%
50		1	1.7%
100		1	1.7%
1400		1	1.7%
Sysmiss		1202	

## C1\_OC3: Crops: N acres RENTED or LEASED TO OTHERS

Data file: fat\_ghana\_disclosure

### Overview

Valid: 60 Invalid: 1202 Minimum: -9 Maximum: 8500  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 8500 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	3.3%
-7	Not Applicable	0	0%
0		56	93.3%
40		1	1.7%
8500		1	1.7%
Sysmiss		1202	

## C1\_OC4: Crops: N acres available - Total

Data file: fat\_ghana\_disclosure

### Overview

Valid: 60 Invalid: 1202 Minimum: -9 Maximum: 39390  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 39390 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	3.3%
-7	Not Applicable	0	0%
0		22	36.7%
1		1	1.7%
2		2	3.3%
3		2	3.3%
4		1	1.7%
5		2	3.3%
7		1	1.7%
10		1	1.7%
20		2	3.3%
40		1	1.7%
100		1	1.7%
200		4	6.7%
300		2	3.3%
380		1	1.7%
400		3	5%
500		2	3.3%
600		1	1.7%
800		2	3.3%

900		1	1.7%
1400		1	1.7%
4234		1	1.7%
4512		1	1.7%
8500		1	1.7%
21000		1	1.7%
39390		1	1.7%
Sysmiss		1202	

### C1\_OC5: N tractors owned

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: 0 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 10 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		37	61.7%
1		15	25%
2		4	6.7%
5		1	1.7%
6		1	1.7%
8		1	1.7%
10		1	1.7%
Sysmiss		1202	

### C1\_OC6: Rent tractor, equipment, or machines

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	46	76.7%
2	No	14	23.3%
Sysmiss		1202	

### C1\_0C7: Use digital or online platform for c1\_0c6

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 46 Invalid: 1216 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	4.3%
2	No	44	95.7%
Sysmiss		1216	

### C1\_0D1: Main source of seeds used

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 17 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Own production	52	86.7%

2	Private providers	4	6.7%
3	Public programs	2	3.3%
4	Other	2	3.3%
Sysmiss		1202	

## C1\_0D2: Pre-treatment to seeds

Data file: fat\_ghana\_disclosure

### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	54	90%
2	No	6	10%
Sysmiss		1202	

## C1\_1A1: Land prep - own workers

Data file: fat\_ghana\_disclosure

### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	56	93.3%
2	No	4	6.7%
Sysmiss		1202	

**C1\_1A2: Land prep - outsourced (another unit - same enterprise)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

**C1\_1A3: Land prep - outsourced (other workers or enterprise)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	25%
2	No	3	75%
Sysmiss		1258	

**C1\_1B1: Land prep - Manual plowing (simple tools)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	50	89.3%
2	No	6	10.7%
Sysmiss		1206	

### C1\_1B2: Land prep - Animal Aided

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	7.1%
2	No	52	92.9%
Sysmiss		1206	

### C1\_1B3: Land prep - Manually operated machines

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	49	87.5%
2	No	7	12.5%
Sysmiss		1206	

### C1\_1B4: Land prep - Digitally operated tractors or equipment

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	7.1%
2	No	52	92.9%
Sysmiss		1206	

### C1\_1B5: Land prep - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 56 Invalid: 1206 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	56	100%
Sysmiss		1206	

**C1\_1C: Land prep - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 45 Invalid: 1217 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Land prep - Manual plowing (simple tools)	5	11.1%
2	Land prep - Animal Aided	1	2.2%
3	Land prep - Manually operated machines	39	86.7%
4	Land prep - Digitally operated tractors or equipment	0	0%
5	Land prep - Other	0	0%
Sysmiss		1217	

**C1\_1D: Years using c1\_1b4**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: 8 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 14 Range: 8 - 20 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
8		1	25%
10		1	25%
11		1	25%
20		1	25%
Sysmiss		1258	

**C1\_2A1: Product requires irrigation**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	50	83.3%
2	No	10	16.7%
Sysmiss		1202	

**C1\_2B1: Irrig.- Rain-fed, no additional irrig.**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	28	46.7%
2	No	32	53.3%
Sysmiss		1202	

**C1\_2B2: Irrig. - Manual irrig.**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 50 Invalid: 1212 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	26	52%
2	No	24	48%
Sysmiss		1212	

### C1\_2B3: Irrig. - Surface Flood Irrig.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 50 Invalid: 1212 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2%
-7	Not Applicable	0	0%
1	Yes	21	42%
2	No	28	56%
Sysmiss		1212	

### C1\_2B4: Irrig. - Small Pump

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 50 Invalid: 1212 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	40	80%
2	No	10	20%
Sysmiss		1212	

**C1\_2B5: Irrig. - Drip, localized, underground, Sprinkler, centre pivot**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 50 Invalid: 1212 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	22	44%
2	No	28	56%
Sysmiss		1212	

**C1\_2B6: Irrig. - Automated**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 50 Invalid: 1212 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	4%
2	No	48	96%
Sysmiss		1212	

**C1\_2B7: Irrig.- Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 50 Invalid: 1212 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	4%
2	No	48	96%
Sysmiss		1212	

### C1\_2C: Irrig. - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 33 Invalid: 1229 Minimum: 1 Maximum: 7  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 7 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Irrig.- Rain-fed, no additional irrig.	2	6.1%
2	Irrig. - Manual irrig.	2	6.1%
3	Irrig. - Surface Flood Irrig.	2	6.1%
4	Irrig. - Small Pump	10	30.3%
5	Irrig. - Drip, localized, underground, Sprinkler, centre pivot	14	42.4%
6	Irrig. - Automated	1	3%
7	Irrig.- Other	2	6.1%
Sysmiss		1229	

### C1\_2D: Years using c1\_2b5, c1\_2b6

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 22 Invalid: 1240 Minimum: 4 Maximum: 33  
 Type: Discrete Decimal: 0 Width: 14 Range: 4 - 33 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
4		2	9.1%
7		1	4.5%
8		2	9.1%
10		5	22.7%
12		1	4.5%
15		6	27.3%
20		3	13.6%
30		1	4.5%
33		1	4.5%
Sysmiss		1240	

### C1\_3A1: Weeding/pest control - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	56	93.3%
2	No	4	6.7%
Sysmiss		1202	

### C1\_3A2: Weeding/pest control - outsourced (another unit - same enterprise)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

### C1\_3A3: Weeding/pest control - outsourced (another enterprise)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

### C1\_3B1: Weeding/pest control - Manual application

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	48	85.7%
2	No	8	14.3%
Sysmiss		1206	

### C1\_3B2: Weeding/pest control - Mechanical application

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	42	75%
2	No	14	25%
Sysmiss		1206	

### C1\_3B3: Weeding/pest control - Biological methods

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	26	46.4%
2	No	30	53.6%
Sysmiss		1206	

**C1\_3B4: Weeding/pest control - Precision agriculture**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	30	53.6%
2	No	26	46.4%
Sysmiss		1206	

**C1\_3B5: Weeding/pest control - Advanced precision agriculture**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	5.4%
2	No	53	94.6%
Sysmiss		1206	

**C1\_3B6: Weeding/pest control - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	3.6%
2	No	54	96.4%
Sysmiss		1206	

### C1\_3C: Weeding/pest control - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 42 Invalid: 1220 Minimum: 2 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 80 Range: 2 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Weeding/pest control - Manual application	0	0%
2	Weeding/pest control - Mechanical application	10	23.8%
3	Weeding/pest control - Biological methods	0	0%
4	Weeding/pest control - Precision agriculture	29	69%
5	Weeding/pest control - Advanced precision agriculture	3	7.1%
6	Weeding/pest control - Other	0	0%
Sysmiss		1220	

### C1\_3D: Years using c1\_3b6, c1\_3b7

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 5 Invalid: 1257 Minimum: 5 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 15 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		1	20%
7		1	20%
8		1	20%
10		1	20%
15		1	20%
Sysmiss		1257	

### C1\_3E: Use organic or chemicals for weeding/pest control

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 56 Invalid: 1206 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Organic	22	39.3%
2	Chemical	5	8.9%
3	Both	29	51.8%
Sysmiss		1206	

### C1\_4A1: Harvesting, training or pruning - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	55	91.7%

2	No	5	8.3%
Sysmiss		1202	

### C1\_4A2: Harvesting, training or pruning - outsourced (another unit - same enterprise)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

### C1\_4A3: Harvesting, training or pruning - outsourced (another enterprise)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 5 Invalid: 1257 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	20%
2	No	4	80%
Sysmiss		1257	

### C1\_4B1: Harvesting, training, or pruning - Manual

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 55 Invalid: 1207 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	52	94.5%
2	No	3	5.5%
Sysmiss		1207	

**C1\_4B2: Harvesting, training, or pruning - Animal Aided**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 55 Invalid: 1207 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	1.8%
2	No	54	98.2%
Sysmiss		1207	

**C1\_4B3: Harvesting, training, or pruning - Human-operated machines**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 55 Invalid: 1207 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	26	47.3%
2	No	29	52.7%
Sysmiss		1207	

## C1\_4B4: Harvesting, training, or pruning - Manually mechanised

Data file: fat\_ghana\_disclosure

### Overview

Valid: 55 Invalid: 1207 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	13	23.6%
2	No	42	76.4%
Sysmiss		1207	

## C1\_4B5: Harvesting, training, or pruning - Digitally automated

Data file: fat\_ghana\_disclosure

### Overview

Valid: 55 Invalid: 1207 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	1.8%
2	No	54	98.2%
Sysmiss		1207	

**C1\_4B6: Harvesting, training, or pruning - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 55 Invalid: 1207 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	55	100%
Sysmiss		1207	

**C1\_4C: Harvesting, training, or pruning - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 172 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Harvesting, training, or pruning - Manual	5	20%
2	Harvesting, training, or pruning - Animal Aided	0	0%
3	Harvesting, training, or pruning - Human-operated machines	15	60%
4	Harvesting, training, or pruning - Manually mechanised	5	20%
5	Harvesting, training, or pruning - Digitally automated	0	0%
6	Harvesting, training, or pruning - Other	0	0%
Sysmiss		1237	

**C1\_4D: Years using c1\_4b4, c1\_4b5**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 13 Invalid: 1249 Minimum: 3 Maximum: 30  
 Type: Discrete Decimal: 0 Width: 14 Range: 3 - 30 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
3		1	7.7%
7		1	7.7%
8		3	23.1%
10		2	15.4%
12		1	7.7%
15		4	30.8%
30		1	7.7%
Sysmiss		1249	

**C1\_5A1: Storage - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	57	95%
2	No	3	5%
Sysmiss		1202	

**C1\_5A2: Storage - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1    Invalid: 1261    Minimum: 2    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 2 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

**C1\_5A3: Storage - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3    Invalid: 1259    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

**C1\_5B1: Storage facility - Precarious**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 57    Invalid: 1205    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	30	52.6%
2	No	27	47.4%
Sysmiss		1205	

### C1\_5B2: Storage facility - Protected (w/o temp. control)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 57 Invalid: 1205 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	32	56.1%
2	No	25	43.9%
Sysmiss		1205	

### C1\_5B3: Storage facility - Special Storage (temp. control)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 57 Invalid: 1205 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	25	43.9%
2	No	32	56.1%
Sysmiss		1205	

**C1\_5B4: Storage facility - High-end central storage**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 57 Invalid: 1205 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	15	26.3%
2	No	42	73.7%
Sysmiss		1205	

**C1\_5B5: Storage facility - Cont. temp. monitoring**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 57 Invalid: 1205 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.8%
-7	Not Applicable	0	0%
1	Yes	10	17.5%
2	No	46	80.7%
Sysmiss		1205	

**C1\_5B6: Storage facility - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 57 Invalid: 1205 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	57	100%
Sysmiss		1205	

### C1\_5C: Storage facility - MOST used

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 31 Invalid: 1231 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 89 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Storage facility - Precarious	4	12.9%
2	Storage facility - Protected (w/o temp. control)	11	35.5%
3	Storage facility - Special Storage (temp. control)	6	19.4%
4	Storage facility - High-end central storage	4	12.9%
5	Storage facility - Cont. temp. monitoring	6	19.4%
6	Storage facility - Other	0	0%
Sysmiss		1231	

### C1\_5D: Years using c1\_5b3, c1\_5b4, c1\_5b5

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 29 Invalid: 1233 Minimum: 3 Maximum: 40  
 Type: Discrete Decimal: 0 Width: 14 Range: 3 - 40 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
3		1	3.4%
7		1	3.4%
8		9	31%
9		1	3.4%
10		3	10.3%
12		2	6.9%
15		6	20.7%
18		1	3.4%
19		2	6.9%
20		1	3.4%
24		1	3.4%
40		1	3.4%
Sysmiss		1233	

## C1\_6A1: Packing - in house

Data file: fat\_ghana\_disclosure

### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	57	95%
2	No	3	5%
Sysmiss		1202	

## C1\_6A2: Packing - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C1\_6A3: Packing - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

### C1\_6B1: Packing - Manual

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 57 Invalid: 1205 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	56	98.2%
2	No	1	1.8%
Sysmiss		1205	

### C1\_6B2: Packing - Human-operated mech. equip.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 57 Invalid: 1205 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	32	56.1%
2	No	25	43.9%
Sysmiss		1205	

### C1\_6B3: Packing - Automated

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 57 Invalid: 1205 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	11	19.3%
2	No	46	80.7%
Sysmiss		1205	

**C1\_6B4: Packing - Modified atmosphere****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 57 Invalid: 1205 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	17	29.8%
2	No	40	70.2%
Sysmiss		1205	

**C1\_6B5: Packing - Other****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 57 Invalid: 1205 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	3.5%
2	No	55	96.5%
Sysmiss		1205	

**C1\_6C: Packing - MOST used method****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 33 Invalid: 1229 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 90 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Packing - Manual	7	21.2%
2	Packing - Human-operated mech. equip.	14	42.4%
3	Packing - Automated	1	3%
4	Packing - Modified atmosphere	11	33.3%
5	Packing - Other	0	0%
Sysmiss		1229	

### C1\_6D: Years using c1\_6b, c1\_6b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 20 Invalid: 1242 Minimum: 2 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 20 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
2		1	5%
7		1	5%
8		7	35%
9		2	10%
11		1	5%
12		1	5%
15		3	15%
20		4	20%
Sysmiss		1242	

### C2\_0A1: Livestock: Info sources - Radio

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	19	76%
2	No	6	24%
Sysmiss		1237	

## C2\_0A2: Livestock: Info sources - TV

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	20	80%
2	No	5	20%
Sysmiss		1237	

## C2\_0A3: Livestock: Info sources - Non-internet mobile

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	4%
-7	Not Applicable	0	0%

1	Yes	6	24%
2	No	18	72%
Sysmiss		1237	

## C2\_0A4: Livestock: Info sources - Mobile internet tech

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	24%
2	No	19	76%
Sysmiss		1237	

## C2\_0A5: Livestock: Info sources - Meet other producers

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	18	72%
2	No	7	28%
Sysmiss		1237	

**C2\_0A6: Livestock: Info sources - Pub or pvt agen visits**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	11	44%
2	No	14	56%
Sysmiss		1237	

**C2\_0A7: Livestock: Info sources - Precision agri tools**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	12%
2	No	22	88%
Sysmiss		1237	

**C2\_0B: Livestock: Info sources - MOST relevant source**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 25 Invalid: 1237 Minimum: 2 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 48 Range: 2 - 8 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Livestock: Info sources - Radio	0	0%
2	Livestock: Info sources - TV	5	20%
3	Livestock: Info sources - Non-internet mobile	7	28%
4	Livestock: Info sources - Mobile internet tech	7	28%
5	Livestock: Info sources - Meet other producers	0	0%
6	Livestock: Info sources - Pub or pvt agen visits	4	16%
7	Livestock: Info sources - Precision agri tools	1	4%
8	Livestock: Info sources - Others	1	4%
Sysmiss		1237	

## C2\_0C1: Livestocks: No. of acres OWNED

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 0 Maximum: 36000  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 36000 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		6	24%
2		3	12%
3		1	4%
5		3	12%
6		1	4%
7		1	4%
8		2	8%
10		1	4%
12		1	4%
16		1	4%
40		1	4%

80		1	4%
200		1	4%
400		1	4%
36000		1	4%
Sysmiss		1237	

## C2\_0C2: Livestocks: No. of acres RENTED or LEASED FROM OTHERS

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 0 Maximum: 12  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 12 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		19	76%
2		1	4%
3		1	4%
4		1	4%
5		1	4%
8		1	4%
12		1	4%
Sysmiss		1237	

## C2\_0C3: Livestocks: No. of acres RENTED or LEASED TO OTHERS

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 0 Maximum: 0  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 0 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
0		25	100%
Sysmiss		1237	

## C2\_0C4: Livestocks: No. of acres OPERATES Total

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 0 Maximum: 400  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 400 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		15	60%
2		1	4%
3		1	4%
5		1	4%
8		1	4%
12		1	4%
100		1	4%
200		1	4%
300		1	4%
400		2	8%
Sysmiss		1237	

## C2\_0D: Process production - in house

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	17	68%
2	No	8	32%
Sysmiss		1237	

## C2\_1A1: Breeding/genetic - in house

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	18	72%
2	No	7	28%
Sysmiss		1237	

## C2\_1A2: Breeding/genetic - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C2\_1A3: Breeding/genetic - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	7	100%
Sysmiss		1255	

**C2\_1B1: Breeding/genetic - Breed substitution**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 18 Invalid: 1244 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	11	61.1%
2	No	7	38.9%
Sysmiss		1244	

**C2\_1B2: Breeding/genetic - Inbreeding or Crossbreeding**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 18 Invalid: 1244 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	11	61.1%
2	No	7	38.9%
Sysmiss		1244	

### C2\_1B3: Breeding/genetic - Artificial insemination (AI)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 18 Invalid: 1244 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	11.1%
2	No	16	88.9%
Sysmiss		1244	

### C2\_1B4: Breeding/genetic - Selective breeding

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 18 Invalid: 1244 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	18	100%
Sysmiss		1244	

## C2\_1B5: Breeding/genetic - Other

Data file: fat\_ghana\_disclosure

### Overview

Valid: 18 Invalid: 1244 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	18	100%
Sysmiss		1244	

## C2\_1C: Breeding/genetic - MOST used method

Data file: fat\_ghana\_disclosure

### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Breeding/genetic - Breed substitution	5	83.3%
2	Breeding/genetic - Inbreeding or Crossbreeding	1	16.7%
3	Breeding/genetic - Artificial insemination (AI)	0	0%
4	Breeding/genetic - Selective breeding	0	0%
5	Breeding/genetic - Other	0	0%
Sysmiss		1256	

**C2\_1D: Years using c2\_1b3, c2\_1b4**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 8 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 14 Range: 8 - 11 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
8		1	50%
11		1	50%
Sysmiss		1260	

**C2\_2A1: Animal nutrition/feeding - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	23	92%
2	No	2	8%
Sysmiss		1237	

**C2\_2A2: Animal nutrition/feeding- outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C2\_2A3: Animal nutrition/feeding - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

### C2\_2B1: Animal nutrition - Household waste or fibrous crop residues

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 23 Invalid: 1239 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	11	47.8%
2	No	12	52.2%
Sysmiss		1239	

## C2\_2B2: Animal nutrition - Natural grasslands and pastures

Data file: fat\_ghana\_disclosure

### Overview

Valid: 23 Invalid: 1239 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	10	43.5%
2	No	13	56.5%
Sysmiss		1239	

## C2\_2B3: Animal nutrition - Integrated crop-livestock systems

Data file: fat\_ghana\_disclosure

### Overview

Valid: 23 Invalid: 1239 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	12	52.2%
2	No	11	47.8%
Sysmiss		1239	

**C2\_2B4: Animal nutrition - Production of forage crops**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 23 Invalid: 1239 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	12	52.2%
2	No	11	47.8%
Sysmiss		1239	

**C2\_2B5: Animal nutrition - Production of supplementary feed**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 23 Invalid: 1239 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	10	43.5%
2	No	13	56.5%
Sysmiss		1239	

**C2\_2B6: Animal nutrition - Manu. or mixing of feed**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 23 Invalid: 1239 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	18	78.3%
2	No	5	21.7%
Sysmiss		1239	

## C2\_2B7: Animal nutrition - Prod. of genetically-modified feed

Data file: fat\_ghana\_disclosure

### Overview

Valid: 23 Invalid: 1239 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	17.4%
2	No	19	82.6%
Sysmiss		1239	

## C2\_2B8: Animal nutrition - Other

Data file: fat\_ghana\_disclosure

### Overview

Valid: 23 Invalid: 1239 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	1	4.3%
2	No	22	95.7%
Sysmiss		1239	

## C2\_2C: Animal nutrition - MOST used method

Data file: fat\_ghana\_disclosure

### Overview

Valid: 15 Invalid: 1247 Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 6 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Animal nutrition - Household waste or fibrous crop residues	3	20%
2	Animal nutrition - Natural grasslands and pastures	2	13.3%
3	Animal nutrition - Integrated crop-livestock systems	1	6.7%
4	Animal nutrition - Production of forage crops	0	0%
5	Animal nutrition - Production of supplementary feed	6	40%
6	Animal nutrition - Manu. or mixing of feed	3	20%
7	Animal nutrition - Prod. of genetically-modified feed	0	0%
8	Animal nutrition - Other	0	0%
Sysmiss		1247	

## C2\_2D: Years using c2\_2b5, c2\_2b6, c2\_2b7

Data file: fat\_ghana\_disclosure

### Overview

Valid: 19 Invalid: 1243 Minimum: 5 Maximum: 34  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 34 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		2	10.5%

6		1	5.3%
8		3	15.8%
9		1	5.3%
10		3	15.8%
11		1	5.3%
13		2	10.5%
15		2	10.5%
20		1	5.3%
30		2	10.5%
34		1	5.3%
Sysmiss		1243	

### C2\_3A1: Animal healthcare - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	24	96%
2	No	1	4%
Sysmiss		1237	

### C2\_3A2: Animal healthcare - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
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-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C2\_3A3: Animal healthcare - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	100%
2	No	0	0%
Sysmiss		1261	

### C2\_3B1: Animal healthcare - Rapid diagnostic tests

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	9	37.5%
2	No	15	62.5%
Sysmiss		1238	

**C2\_3B2: Animal healthcare - Pest sprays**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	22	91.7%
2	No	2	8.3%
Sysmiss		1238	

**C2\_3B3: Animal healthcare - Vaccines**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	16	66.7%
2	No	8	33.3%
Sysmiss		1238	

**C2\_3B4: Animal healthcare - DNA or RNA vaccine**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 24 Invalid: 1238 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	24	100%
Sysmiss		1238	

### C2\_3B5: Animal healthcare - Disease med.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	12	50%
2	No	12	50%
Sysmiss		1238	

### C2\_3B6: Animal healthcare - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	2	8.3%
2	No	22	91.7%
Sysmiss		1238	

### C2\_3C: Animal healthcare - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 21 Invalid: 1241 Minimum: 2 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 80 Range: 2 - 5 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Animal healthcare - Rapid diagnostic tests	0	0%
2	Animal healthcare - Pest sprays	12	57.1%
3	Animal healthcare - Vaccines	0	0%
4	Animal healthcare - DNA or RNA vaccine	0	0%
5	Animal healthcare - Disease med.	9	42.9%
6	Animal healthcare - Other	0	0%
Sysmiss		1241	

### C2\_3D: Years using c2\_3b3, c2\_3b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 16 Invalid: 1246 Minimum: 4 Maximum: 40  
 Type: Discrete Decimal: 0 Width: 14 Range: 4 - 40 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
4		1	6.3%
5		2	12.5%
6		2	12.5%

10		4	25%
15		1	6.3%
17		1	6.3%
20		3	18.8%
30		1	6.3%
40		1	6.3%
Sysmiss		1246	

## C2\_4A1: Herd mgt/monitoring - in house

Data file: fat\_ghana\_disclosure

### Overview

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	24	96%
2	No	1	4%
Sysmiss		1237	

## C2\_4A2: Herd mgt/monitoring - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No

Sysmiss

**C2\_4A3: Herd mgt/monitoring - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

**C2\_4B1: Herd mgt/monitoring - Human**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	24	100%
2	No	0	0%
Sysmiss		1238	

**C2\_4B2: Herd mgt/monitoring - Animal-aided**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	20.8%
2	No	19	79.2%
Sysmiss		1238	

**C2\_4B3: Herd mgt/monitoring - Feedlots or grazing**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	25%
2	No	18	75%
Sysmiss		1238	

**C2\_4B4: Herd mgt/monitoring - Automated cameras/video**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	8.3%
2	No	22	91.7%
Sysmiss		1238	

## C2\_4B5: Herd mgt/monitoring - Unmanned aerial

Data file: fat\_ghana\_disclosure

### Overview

Valid: 24 Invalid: 1238 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	24	100%
Sysmiss		1238	

## C2\_4B6: Herd mgt/monitoring - Analog tracking

Data file: fat\_ghana\_disclosure

### Overview

Valid: 24 Invalid: 1238 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	4.2%
2	No	23	95.8%
Sysmiss		1238	

**C2\_4B7: Herd mgt/monitoring - Digital tracking**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 24 Invalid: 1238 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	24	100%
Sysmiss		1238	

**C2\_4B8: Herd mgt/monitoring - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 24 Invalid: 1238 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	24	100%
Sysmiss		1238	

**C2\_4C: Herd mgt/monitoring - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 9 Invalid: 1253 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Herd mgt/monitoring - Human	6	66.7%
2	Herd mgt/monitoring - Animal-aided	2	22.2%
3	Herd mgt/monitoring - Feedlots or grazing	0	0%
4	Herd mgt/monitoring - Automated cameras/video	1	11.1%
5	Herd mgt/monitoring - Unmanned aerial	0	0%
6	Herd mgt/monitoring - Analog tracking	0	0%
7	Herd mgt/monitoring - Digital tracking	0	0%
8	Herd mgt/monitoring - Other	0	0%
Sysmiss		1253	

### C2\_4D: Years using c2\_4b5, c2\_4b6, c2\_4b7

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 20 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 14 Range: 20 - 20 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
20		1	100%
Sysmiss		1261	

### C2\_5A1: Transp. livestock - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 25 Invalid: 1237 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	16	64%
2	No	9	36%
Sysmiss		1237	

### C2\_5A2: Transp. livestock - outsourced (another unit - same enterprise)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C2\_5A3: Transp. livestock - outsourced (another enterprise)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	1	11.1%
2	No	8	88.9%
Sysmiss		1253	

## C2\_5B1: Transp. livestock - Manual

Data file: fat\_ghana\_disclosure

### Overview

Valid: 16 Invalid: 1246 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	8	50%
2	No	8	50%
Sysmiss		1246	

## C2\_5B2: Transp. livestock - Non-motorized vehicles

Data file: fat\_ghana\_disclosure

### Overview

Valid: 16 Invalid: 1246 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	25%
2	No	12	75%
Sysmiss		1246	

**C2\_5B3: Transp. livestock - Motorized vehicles**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 16 Invalid: 1246 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	13	81.3%
2	No	3	18.8%
Sysmiss		1246	

**C2\_5B4: Transp. livestock - Specialized/climate-controlled vehicles**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 16 Invalid: 1246 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	18.8%
2	No	13	81.3%
Sysmiss		1246	

**C2\_5B5: Transp. livestock - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 16 Invalid: 1246 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	16	100%
Sysmiss		1246	

### C2\_5C: Transp. - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Transp. livestock - Manual	1	11.1%
2	Transp. livestock - Non-motorized vehicles	0	0%
3	Transp. livestock - Motorized vehicles	6	66.7%
4	Transp. livestock - Specialized/climate-controlled vehicles	2	22.2%
5	Transp. livestock - Other	0	0%
Sysmiss		1253	

### C2\_5D: Years using c2\_5b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 5 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 8 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-------	----------	-------	--

-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		2	66.7%
8		1	33.3%
Sysmiss		1259	

### C3\_0A1: Regulated/inspected by govt. agency

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 139 Invalid: 1123 Minimum: -9 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 1 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.7%
-7	Not Applicable	0	0%
0		14	10.1%
1	Yes	124	89.2%
2	No	0	0%
Sysmiss		1123	

### C3\_0A2: Main agency regulating

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 47 Range: - Format: character

### C3\_0B1: Finished - shelf stable

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 139 Invalid: 1123 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

#### Questions and instructions

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		9	6.5%
1	Yes	130	93.5%
2	No	0	0%
Sysmiss		1123	

**C3\_0B2: Finished - fresh/perishable**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 139 Invalid: 1123 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		6	4.3%
1	Yes	133	95.7%
2	No	0	0%
Sysmiss		1123	

**C3\_1A1: Input testing - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 139 Invalid: 1123 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	136	97.8%
2	No	3	2.2%
Sysmiss		1123	

### C3\_1A2: Input testing - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C3\_1A3: Input testing - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

**C3\_1B1: Input testing - Sensory**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 136 Invalid: 1126 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	135	99.3%
2	No	1	0.7%
Sysmiss		1126	

**C3\_1B2: Input testing - Review of supplier testing**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 136 Invalid: 1126 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	46	33.8%
2	No	90	66.2%
Sysmiss		1126	

**C3\_1B3: Input testing - Non-computer-controlled**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 136 Invalid: 1126 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	58	42.6%
2	No	78	57.4%
Sysmiss		1126	

### C3\_1B4: Input testing - Computer testing

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 136 Invalid: 1126 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	19	14%
2	No	117	86%
Sysmiss		1126	

### C3\_1B5: Input testing - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 136 Invalid: 1126 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.7%
-7	Not Applicable	0	0%

1	Yes	2	1.5%
2	No	133	97.8%
Sysmiss		1126	

### C3\_1C: Input testing - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 76 Invalid: 1186 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 55 Range: 1 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Input testing - Sensory	50	65.8%
2	Input testing - Review of supplier testing	4	5.3%
3	Input testing - Non-computer-controlled	13	17.1%
4	Input testing - Computer testing	9	11.8%
5	Input testing - Other	0	0%
Sysmiss		1186	

### C3\_1D: Years using c3\_1b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 19 Invalid: 1243 Minimum: 5 Maximum: 50  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 50 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		1	5.3%
7		1	5.3%
8		5	26.3%
9		4	21.1%

10		2	10.5%
15		3	15.8%
25		1	5.3%
30		1	5.3%
50		1	5.3%
Sysmiss		1243	

### C3\_2A1: Food prep. - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 139 Invalid: 1123 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	128	92.1%
2	No	11	7.9%
Sysmiss		1123	

### C3\_2A2: Food prep. - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

**C3\_2A3: Food prep. - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 11 Invalid: 1251 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	18.2%
2	No	9	81.8%
Sysmiss		1251	

**C3\_2B1: Food prep. - Manual**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 128 Invalid: 1134 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	126	98.4%
2	No	2	1.6%
Sysmiss		1134	

**C3\_2B2: Food prep. - Mech. equipment (human force)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 128 Invalid: 1134 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.8%
-7	Not Applicable	0	0%
1	Yes	105	82%
2	No	22	17.2%
Sysmiss		1134	

### C3\_2B3: Food prep. - Power equipment (human interaction)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 128 Invalid: 1134 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	58	45.3%
2	No	70	54.7%
Sysmiss		1134	

### C3\_2B4: Food prep. - Power equipment (computers or robotics, minimal int.)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 128 Invalid: 1134 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	2	1.6%
2	No	126	98.4%
Sysmiss		1134	

### C3\_2B5: Food prep. - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 128 Invalid: 1134 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.8%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	127	99.2%
Sysmiss		1134	

### C3\_2C: Food prep. - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 107 Invalid: 1155 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 83 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Food prep. - Manual	24	22.4%
2	Food prep. - Mech. equipment (human force)	59	55.1%
3	Food prep. - Power equipment (human interaction)	24	22.4%
4	Food prep. - Power equipment (computers or robotics, minimal int.)	0	0%
5	Food prep. - Other	0	0%
Sysmiss		1155	

**C3\_2D: Years using c3\_2b3, c3\_2b4**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 59 Invalid: 1203 Minimum: 1 Maximum: 50  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 50 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		1	1.7%
2		1	1.7%
4		1	1.7%
5		4	6.8%
6		4	6.8%
7		2	3.4%
8		9	15.3%
9		5	8.5%
10		12	20.3%
12		3	5.1%
13		1	1.7%
15		8	13.6%
16		1	1.7%
20		2	3.4%
25		1	1.7%
26		1	1.7%
30		1	1.7%
40		1	1.7%
50		1	1.7%
Sysmiss		1203	

**C3\_3A1: Anti-bacterial - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 139 Invalid: 1123 Minimum: 1 Maximum: 2

Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	132	95%
2	No	7	5%
Sysmiss		1123	

**C3\_3A2: Anti-bacterial - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2    Invalid: 1260    Minimum: 2    Maximum: 2

Type: Discrete    Decimal: 0    Width: 14    Range: 2 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

**C3\_3A3: Anti-bacterial - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7    Invalid: 1255    Minimum: 2    Maximum: 2

Type: Discrete    Decimal: 0    Width: 14    Range: 2 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	7	100%
Sysmiss		1255	

### C3\_3B1: Anti-bacterial - Minimal-processing preservation

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 132 Invalid: 1130 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	84	63.6%
2	No	48	36.4%
Sysmiss		1130	

### C3\_3B2: Anti-bacterial - Anti-bacterial wash or soaking

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 132 Invalid: 1130 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	116	87.9%
2	No	16	12.1%
Sysmiss		1130	

**C3\_3B3: Anti-bacterial - Thermal Processing**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 132 Invalid: 1130 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	29	22%
2	No	103	78%
Sysmiss		1130	

**C3\_3B4: Anti-bacterial - Other adv. methods**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 132 Invalid: 1130 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	11	8.3%
2	No	121	91.7%
Sysmiss		1130	

**C3\_3B5: Anti-bacterial - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 132 Invalid: 1130 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	132	100%
Sysmiss		1130	

### C3\_3C: Anti-bacterial - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 94 Invalid: 1168 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Anti-bacterial - Minimal-processing preservation	23	24.5%
2	Anti-bacterial - Anti-bacterial wash or soaking	56	59.6%
3	Anti-bacterial - Thermal Processing	14	14.9%
4	Anti-bacterial - Other adv. methods	1	1.1%
5	Anti-bacterial - Other	0	0%
Sysmiss		1168	

### C3\_3D: Years using c3\_3b3, c3\_3b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 30 Invalid: 1232 Minimum: 4 Maximum: 42  
 Type: Discrete Decimal: 0 Width: 14 Range: 4 - 42 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	0	0%
-7	Not Applicable	0	0%
4		2	6.7%
5		4	13.3%
8		9	30%
9		7	23.3%
10		5	16.7%
20		1	3.3%
21		1	3.3%
42		1	3.3%
Sysmiss		1232	

### C3\_4A1: Food pkg. - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 139 Invalid: 1123 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	138	99.3%
2	No	1	0.7%
Sysmiss		1123	

### C3\_4A2: Food pkg. - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

### C3\_4A3: Food pkg. - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

### C3\_4B1: Food pkg. - Manual

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 138 Invalid: 1124 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	130	94.2%
2	No	8	5.8%
Sysmiss		1124	

**C3\_4B2: Food pkg. - Human-operated mech. equip.**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 138 Invalid: 1124 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	76	55.1%
2	No	62	44.9%
Sysmiss		1124	

**C3\_4B3: Food pkg. - Power equip. (human interaction)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 138 Invalid: 1124 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	33	23.9%
2	No	105	76.1%
Sysmiss		1124	

**C3\_4B4: Food pkg. - Power equip. (comp./robotics, min. human int.)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 138 Invalid: 1124 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.7%
-7	Not Applicable	0	0%
1	Yes	1	0.7%
2	No	136	98.6%
Sysmiss		1124	

### C3\_4B5: Food pkg. - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 138 Invalid: 1124 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	138	100%
Sysmiss		1124	

### C3\_4C: Food pkg. - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 83 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Food pkg. - Manual	29	38.7%

2	Food pkg. - Human-operated mech. equip.	36	48%
3	Food pkg. - Power equip. (human interaction)	9	12%
4	Food pkg. - Power equip. (comp./robotics, min. human int.)	1	1.3%
5	Food pkg. - Other	0	0%
Sysmiss		1187	

### C3\_4D: Years using c3\_4b3, c\_3b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 33 Invalid: 1229 Minimum: 4 Maximum: 50  
 Type: Discrete Decimal: 0 Width: 14 Range: 4 - 50 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
4		1	3%
5		2	6.1%
6		1	3%
8		8	24.2%
9		5	15.2%
10		8	24.2%
11		1	3%
12		1	3%
21		1	3%
25		1	3%
30		1	3%
40		1	3%
42		1	3%
50		1	3%
Sysmiss		1229	

### C3\_5A1: Store food - in house

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 139 Invalid: 1123 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	135	97.1%
2	No	4	2.9%
Sysmiss		1123	

**C3\_5A2: Store food - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

**C3\_5A3: Store food - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	50%
2	No	2	50%
Sysmiss		1258	

### C3\_5B1: Food storage - Minimal protection (some exposure)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 135 Invalid: 1127 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	53	39.3%
2	No	82	60.7%
Sysmiss		1127	

### C3\_5B2: Food storage - Ambient conditions (closed building)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 135 Invalid: 1127 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	108	80%
2	No	27	20%
Sysmiss		1127	

**C3\_5B3: Food storage - Some climate control (secured building)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 135    Invalid: 1127    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	52	38.5%
2	No	83	61.5%
Sysmiss		1127	

**C3\_5B4: Food storage - Automated climate (security-controlled building)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 135    Invalid: 1127    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	14	10.4%
2	No	121	89.6%
Sysmiss		1127	

**C3\_5B5: Food storage - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 135    Invalid: 1127    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: -9 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	1.5%
-7	Not Applicable	0	0%
1	Yes	1	0.7%
2	No	132	97.8%
Sysmiss		1127	

### C3\_5C: Food storage - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 82 Invalid: 1180 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 75 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
1	Food storage - Minimal protection (some exposure)	9	11%
2	Food storage - Ambient conditions (closed building)	47	57.3%
3	Food storage - Some climate control (secured building)	19	23.2%
4	Food storage - Automated climate (security-controlled building)	7	8.5%
5	Food storage - Other	0	0%
Sysmiss		1180	

### C3\_5D: Years using c3\_5b3, c3\_5b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 57 Invalid: 1205 Minimum: 2 Maximum: 42  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 42 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	0	0%
-7	Not Applicable	0	0%
2		9	15.8%
3		5	8.8%
4		4	7%
5		6	10.5%
6		1	1.8%
8		10	17.5%
9		7	12.3%
10		7	12.3%
11		1	1.8%
14		1	1.8%
15		1	1.8%
20		2	3.5%
21		1	1.8%
30		1	1.8%
42		1	1.8%
Sysmiss		1205	

#### C4\_0A1: Prod. material - Printed fabric

Data file: fat\_ghana\_disclosure

##### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	50%
2	No	4	50%
Sysmiss		1254	

#### C4\_0A2: Prod. material - White fabric

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	25%
2	No	6	75%
Sysmiss		1254	

**C4\_0A3: Prod. material - Fabric threads**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	25%
2	No	6	75%
Sysmiss		1254	

**C4\_0A4: Prod. material - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	37.5%
2	No	5	62.5%
Sysmiss		1254	

### C4\_0B1: Garments prod.- Basic

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	12.5%
2	No	7	87.5%
Sysmiss		1254	

### C4\_0B2: Garments prod. - Fashion

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	50%
2	No	4	50%
Sysmiss		1254	

**C4\_0B3: Garments prod. - Sports**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	12.5%
2	No	7	87.5%
Sysmiss		1254	

**C4\_0B4: Garments prod. - Protective apparel**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	12.5%
2	No	7	87.5%
Sysmiss		1254	

**C4\_0B5: Garments prod. - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	62.5%
2	No	3	37.5%
Sysmiss		1254	

### C4\_0C1: Finishes - Silk screen

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	25%
2	No	6	75%
Sysmiss		1254	

### C4\_0C2: Finishes - Embroidery

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	4	50%
2	No	4	50%
Sysmiss		1254	

### C4\_OC3: Finishes - Washing

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	25%
2	No	6	75%
Sysmiss		1254	

### C4\_OC4: Finishes - Waterproofing

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	25%
2	No	6	75%
Sysmiss		1254	

**C4\_0C5: Finishes - Other****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	50%
2	No	4	50%
Sysmiss		1254	

**C4\_1A1: Provide files for design****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	50%
2	No	4	50%
Sysmiss		1254	

**C4\_1A2: Most common file provd.****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 37 Range: 2 - 6 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Graded file of all sizes ready to cut	0	0%
2	A prototype cutting file for grading	2	50%
3	Hand drawing of the design	0	0%
4	Computer drawing of the design	1	25%
5	3D file of the design	0	0%
6	Other	1	25%
Sysmiss		1258	

### C4\_1A3: Design drawing - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	62.5%
2	No	3	37.5%
Sysmiss		1254	

### C4\_1A4: Design drawing - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C4\_1A5: Design drawing - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: -7 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	1	33.3%
1	Yes	0	0%
2	No	2	66.7%
Sysmiss		1259	

### C4\_1B1: Design drawing - Manual/hand-draw

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 5 Invalid: 1257 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	100%
2	No	0	0%
Sysmiss		1257	

**C4\_1B2: Design drawing - Digital/semi-digital design**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	40%
2	No	3	60%
Sysmiss		1257	

**C4\_1B3: Design drawing - CAD**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	40%
2	No	3	60%
Sysmiss		1257	

**C4\_1B4: Design drawing - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	5	100%
Sysmiss		1257	

### C4\_1C: Design drawing - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 68 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	50%
2	No	1	50%
Sysmiss		1260	

### C4\_1D: Years using c4\_1b2, c4\_1b3

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 11 Maximum: 35  
 Type: Discrete Decimal: 0 Width: 14 Range: 11 - 35 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	0	0%
11		1	50%
35		1	50%
Sysmiss		1260	

### C4\_2A1: Cutting - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	75%
2	No	2	25%
Sysmiss		1254	

### C4\_2A2: Cutting - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C4\_2A3: Cutting - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

**C4\_2B1: Cutting - Manual cutting**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	100%
2	No	0	0%
Sysmiss		1256	

**C4\_2B2: Cutting - Cutting machine (manually operated)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	50%
2	No	3	50%
Sysmiss		1256	

### C4\_2B3: Cutting - Semi-Automatic cutting machine

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	16.7%
2	No	5	83.3%
Sysmiss		1256	

### C4\_2B4: Cutting - Automatic/Computerized cutting machine (no Laser)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	1	16.7%
2	No	5	83.3%
Sysmiss		1256	

### C4\_2B5: Cutting - Automatic/Computerized cutting machine (Laser)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	6	100%
Sysmiss		1256	

### C4\_2B6: Cutting - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	6	100%
Sysmiss		1256	

**C4\_2C: Cutting - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 81 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Cutting - Manual cutting	1	33.3%
2	Cutting - Cutting machine (manually operated)	2	66.7%
3	Cutting - Semi-Automatic cutting machine	0	0%
4	Cutting - Automatic/Computerized cutting machine (no Laser)	0	0%
5	Cutting - Automatic/Computerized cutting machine (Laser)	0	0%
6	Cutting - Other	0	0%
Sysmiss		1259	

**C4\_2D: Years using c4\_2b4, c4\_2b5**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 35 Maximum: 35  
 Type: Discrete Decimal: 0 Width: 14 Range: 35 - 35 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	0	0%
35		1	100%
Sysmiss		1261	

**C4\_3A1: Sewing - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	62.5%
2	No	3	37.5%
Sysmiss		1254	

**C4\_3A2: Sewing - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C4\_3A3: Sewing - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C4\_3B1: Sewing - Manually

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 5 Invalid: 1257 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	80%
2	No	1	20%
Sysmiss		1257	

### C4\_3B2: Sewing - Machine (manually operated)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 5 Invalid: 1257 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	100%
2	No	0	0%
Sysmiss		1257	

**C4\_3B3: Sewing - Semi-automated machines**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	20%
2	No	4	80%
Sysmiss		1257	

**C4\_3B4: Sewing - Automated machines**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	5	100%
Sysmiss		1257	

**C4\_3B5: Sewing - 3D Knitting**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	5	100%
Sysmiss		1257	

### C4\_3B6: Sewing - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 5 Invalid: 1257 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	5	100%
Sysmiss		1257	

### C4\_3C: Sewing - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 36 Range: 2 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Sewing - Manually	0	0%

2	Sewing - Machine (manually operated)	3	75%
3	Sewing - Semi-automated machines	1	25%
4	Sewing - Automated machines	0	0%
5	Sewing - 3D Knitting	0	0%
6	Sewing - Other	0	0%
Sysmiss		1258	

### C4\_3D: Years using c4\_3b3, c4\_3b4, c4\_3b5

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1    Invalid: 1261    Minimum: 20    Maximum: 20  
 Type: Discrete    Decimal: 0    Width: 14    Range: 20 - 20    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
20		1	100%
Sysmiss		1261	

### C4\_4A1: Finishing/ironing- in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8    Invalid: 1254    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	50%
2	No	4	50%
Sysmiss		1254	

**C4\_4A2: Finishing/ironing - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C4\_4A3: Finishing/ironing - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: -7 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: -7 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	1	25%
1	Yes	0	0%
2	No	3	75%
Sysmiss		1258	

**C4\_4B1: Finishing/ironing - Basic manual ironing**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: 1 Maximum: 1

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	100%
2	No	0	0%
Sysmiss		1258	

### C4\_4B2: Finishing/ironing - Electric high-pressure steam iron

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	75%
2	No	1	25%
Sysmiss		1258	

### C4\_4B3: Finishing/ironing - Tunnel finisher

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

#### C4\_4B4: Finishing/ironing - Form finishing machine

Data file: fat\_ghana\_disclosure

##### Overview

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

##### Questions and instructions

###### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

#### C4\_4B5: Finishing/ironing - High tech pressing machine

Data file: fat\_ghana\_disclosure

##### Overview

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

##### Questions and instructions

###### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

**C4\_4B6: Finishing/ironing - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

**C4\_4C: Finishing/ironing - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 53 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Finishing/ironing - Basic manual ironing	1	33.3%
2	Finishing/ironing - Electric high-pressure steam iron	2	66.7%
3	Finishing/ironing - Tunnel finisher	0	0%
4	Finishing/ironing - Form finishing machine	0	0%
5	Finishing/ironing - High tech pressing machine	0	0%
6	Finishing/ironing - Other	0	0%
Sysmiss		1259	

**C4\_4D: Years using c4\_4b3, c4\_4b4, c4\_4b5**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
Sysmiss	

**C5\_1A1: Assemble vehicles - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 12 Invalid: 1250 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	33.3%
2	No	8	66.7%
Sysmiss		1250	

**C5\_1A2: Assemble vehicles - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know

-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C5\_1A3: Assemble vehicles - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	25%
2	No	6	75%
Sysmiss		1254	

### C5\_1B1: Assembly/fabrication - Machines (controlled by operators)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	100%
2	No	0	0%
Sysmiss		1258	

**C5\_1B2: Assembly/fabrication - FMC or FMS**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

**C5\_1B3: Assembly/fabrication - Lasers (materials processing)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

**C5\_1B4: Assembly/fabrication - CNC machinery**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

### C5\_1B5: Assembly/fabrication - Robots

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

### C5\_1B6: Assembly/fabrication - Additive manufacturing

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

### C5\_1B7: Assembly/fabrication - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	4	100%
Sysmiss		1258	

### C5\_1C: Assembly/fabrication- MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 76 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't know
1	Assembly/fabrication - Machines (controlled by operators)
2	Assembly/fabrication - FMC or FMS
3	Assembly/fabrication - Lasers (materials processing)
4	Assembly/fabrication - CNC machinery
5	Assembly/fabrication - Robots
6	Assembly/fabrication - Additive manufacturing
7	Assembly/fabrication - Other

Sysmiss

**C5\_1D: Years using c5\_1b4, c5\_1b5, c5\_1b6**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
Sysmiss	

**C5\_2A1: Body press/welding - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 12 Invalid: 1250 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	9	75%
2	No	3	25%
Sysmiss		1250	

**C5\_2A2: Body press/welding - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C5\_2A3: Body press/welding - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: -7 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	1	33.3%
1	Yes	0	0%
2	No	2	66.7%
Sysmiss		1259	

### C5\_2B1: Body press/welding - Pressing of skin panels (operators)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	5	55.6%
2	No	4	44.4%
Sysmiss		1253	

### C5\_2B2: Body press/welding - Pressing of structural components (operators)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	44.4%
2	No	5	55.6%
Sysmiss		1253	

### C5\_2B3: Body press/welding - Welding of main body (operators)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	8	88.9%
2	No	1	11.1%
Sysmiss		1253	

**C5\_2B4: Body press/welding - Pressing of skin panels (automated)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 9 Invalid: 1253 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	9	100%
Sysmiss		1253	

**C5\_2B5: Body press/welding - Pressing of structural components (automated)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 9 Invalid: 1253 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	9	100%
Sysmiss		1253	

**C5\_2B6: Body press/welding - Welding of main body (automated)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 9 Invalid: 1253 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	9	100%
Sysmiss		1253	

### C5\_2B7: Body press/welding - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	9	100%
Sysmiss		1253	

### C5\_2C: Pressing/welding method - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 66 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Body press/welding - Pressing of skin panels (operators)	1	16.7%

2	Body press/welding - Pressing of structural components (operators)	1	16.7%
3	Body press/welding - Welding of main body (operators)	4	66.7%
4	Body press/welding - Pressing of skin panels (automated)	0	0%
5	Body press/welding - Pressing of structural components (automated)	0	0%
6	Body press/welding - Welding of main body (automated)	0	0%
7	Body press/welding - Other	0	0%
Sysmiss		1256	

## C5\_2D: Years using c5\_2b4, c5\_2b5 ,c5\_2b6

Data file: fat\_ghana\_disclosure

### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
Sysmiss	

## C5\_3A1: Painting - in house

Data file: fat\_ghana\_disclosure

### Overview

Valid: 12 Invalid: 1250 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	50%
2	No	6	50%
Sysmiss		1250	

**C5\_3A2: Painting - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C5\_3A3: Painting - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	50%
2	No	3	50%
Sysmiss		1256	

**C5\_3B1: Painting - Water-based painting (operators)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	83.3%
2	No	1	16.7%
Sysmiss		1256	

### C5\_3B2: Painting - Solvent-based painting (operators)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	100%
2	No	0	0%
Sysmiss		1256	

### C5\_3B3: Painting - Water-based painting (automated)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	6	100%
Sysmiss		1256	

### C5\_3B4: Painting - Solvent-based painting (automated)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	6	100%
Sysmiss		1256	

### C5\_3B5: Painting - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	6	100%
Sysmiss		1256	

**C5\_3C: Painting - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 47 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Painting - Water-based painting (operators)	1	20%
2	Painting - Solvent-based painting (operators)	4	80%
3	Painting - Water-based painting (automated)	0	0%
4	Painting - Solvent-based painting (automated)	0	0%
5	Painting - Other	0	0%
Sysmiss		1257	

**C5\_3D: Years using c5\_3b3, c5\_3b4**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
Sysmiss	

**C5\_4A1: Plastic injection molding - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 12 Invalid: 1250 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	16.7%
2	No	10	83.3%
Sysmiss		1250	

### C5\_4A2: Plastic injection molding - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C5\_4A3: Plastic injection molding - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 10 Invalid: 1252 Minimum: -7 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: -7 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	2	20%

1	Yes	1	10%
2	No	7	70%
Sysmiss		1252	

### C5\_4B1: Plastic injection- Non-visible interior plastic (operators)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	50%
2	No	1	50%
Sysmiss		1260	

### C5\_4B2: Plastic injection - Plastic exterior body parts (operators)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 1 Maximum: 1

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	100%
2	No	0	0%
Sysmiss		1260	

**C5\_4B3: Plastic injection- Non-visible interior plastic (robotics)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	50%
2	No	1	50%
Sysmiss		1260	

**C5\_4B4: Plastic injection - Plastic exterior body parts (robotics)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	50%
2	No	1	50%
Sysmiss		1260	

**C5\_4B5: Plastic injection - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

### C5\_4C: Plastic injection - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 76 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Plastic injection- Non-visible interior plastic (operators)	0	0%
2	Plastic injection - Plastic exterior body parts (operators)	1	100%
3	Plastic injection- Non-visible interior plastic (robotics)	0	0%
4	Plastic injection - Plastic exterior body parts (robotics)	0	0%
5	Plastic injection - Other	0	0%
Sysmiss		1261	

### C5\_4D: Years using c5\_4b3, c5\_4b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 8 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 14 Range: 8 - 8 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	0	0%
-7	Not Applicable	0	0%
8		1	100%
Sysmiss		1261	

### C5\_5A1: Productive assets mgt. - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 12 Invalid: 1250 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	58.3%
2	No	5	41.7%
Sysmiss		1250	

### C5\_5A2: Productive assets mgt. - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C5\_5A3: Productive assets mgt. - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: -7 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	2	40%
1	Yes	0	0%
2	No	3	60%
Sysmiss		1257	

**C5\_5B1: Productive asset mgt. - Breakdown maintenance**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	100%
2	No	0	0%
Sysmiss		1255	

**C5\_5B2: Productive asset mgt. - Preventative/predictive maintenance**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	7	100%
Sysmiss		1255	

### C5\_5B3: Productive asset mgt. - Model Based Condition Monitoring

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	14.3%
2	No	6	85.7%
Sysmiss		1255	

### C5\_5B4: Productive asset mgt. - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	7	100%
Sysmiss		1255	

### C5\_5C: Productive asset mgt. - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 59 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Productive asset mgt. - Breakdown maintenance	1	100%
2	Productive asset mgt. - Preventative/predictive maintenance	0	0%
3	Productive asset mgt. - Model Based Condition Monitoring	0	0%
4	Productive asset mgt. - Other	0	0%
Sysmiss		1261	

### C5\_5D: Years using c5\_5b2, c5\_5b3

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 8 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 14 Range: 8 - 8 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
8		1	100%
Sysmiss		1261	

**C6\_0A1: Produce tablets and capsules****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	1	14.3%
Sysmiss		1255	

**C6\_0A2: Produce creams and ointments****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	100%
2	No	0	0%
Sysmiss		1255	

**C6\_0A3: Produce eye and ear solutions****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	42.9%
2	No	4	57.1%
Sysmiss		1255	

### C6\_0A4: Produce syrups and dry powders

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	100%
2	No	0	0%
Sysmiss		1255	

### C6\_0B1: Main product produced

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 22 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Tablets and capsules	4	57.1%
2	Creams and ointments	3	42.9%

3	Eye and ear solutions	0	0%
4	Syrups and dry powders	0	0%
Sysmiss		1255	

### C6\_0C1: Research with new-drug discovery

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	1	14.3%
Sysmiss		1255	

### C6\_0C2: Lead researchers - direct employees

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	100%
2	No	0	0%
Sysmiss		1256	

**C6\_1A1: Mix raw mat./compounding - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	1	14.3%
Sysmiss		1255	

**C6\_1A2: Mix raw mat./ compounding - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	100%
2	No	0	0%
Sysmiss		1261	

**C6\_1A3: Mix raw mat./compounding - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C6\_1B1: Air filtration - Unfiltered air

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	7	100%
Sysmiss		1255	

### C6\_1B2: Air filtration - Basic

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	2	28.6%
2	No	5	71.4%
Sysmiss		1255	

### C6\_1B3: Air filtration - HEPA

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	1	14.3%
Sysmiss		1255	

### C6\_1B4: Air filtration - Ultra HEPA, pressurization control

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	1	14.3%
Sysmiss		1255	

**C6\_1B5: Air filtration - Other****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 7 Invalid: 1255 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	7	100%
Sysmiss		1255	

**C6\_1C: Air filtration - MOST used method****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 6 Invalid: 1256 Minimum: 3 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 51 Range: 3 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Air filtration - Unfiltered air	0	0%
2	Air filtration - Basic	0	0%
3	Air filtration - HEPA	1	16.7%
4	Air filtration - Ultra HEPA, pressurization control	5	83.3%
5	Air filtration - Other	0	0%
Sysmiss		1256	

**C6\_1D: Years using c6\_1b3, c6\_1b4****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 6 Invalid: 1256 Minimum: 8 Maximum: 25

Type: Discrete    Decimal: 0    Width: 14    Range: 8 - 25    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
8		3	50%
9		1	16.7%
10		1	16.7%
25		1	16.7%
Sysmiss		1256	

**C6\_2B1: Weighting - Beam Scales**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 7    Invalid: 1255    Minimum: 1    Maximum: 1  
Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 1    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	100%
2	No	0	0%
Sysmiss		1255	

**C6\_2B2: Weighting - Analog Scales**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 7    Invalid: 1255    Minimum: 1    Maximum: 2  
Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	1	14.3%
Sysmiss		1255	

### C6\_2B3: Weighting - Electronic Scales

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	100%
2	No	0	0%
Sysmiss		1255	

### C6\_2B4: Weighting - Automated Weighing

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	71.4%
2	No	2	28.6%
Sysmiss		1255	

**C6\_2B5: Weighting - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	7	100%
Sysmiss		1255	

**C6\_2C: Weighting - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 30 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Weighting - Beam Scales	1	14.3%
2	Weighting - Analog Scales	0	0%
3	Weighting - Electronic Scales	4	57.1%
4	Weighting - Automated Weighing	2	28.6%
5	Weighting - Other	0	0%
Sysmiss		1255	

**C6\_2D: Years using c6\_2b4**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 8 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: 8 - 25 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
8		2	40%
9		1	20%
10		1	20%
25		1	20%
Sysmiss		1257	

**C6\_3B1: Mixing/compounding - Manual**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	28.6%
2	No	5	71.4%
Sysmiss		1255	

**C6\_3B2: Mixing/compounding - Planetary Mixers OR homogenizers**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: -9 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	14.3%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	0	0%
Sysmiss		1255	

### C6\_3B3: Mixing/compounding - High Speed, High Shear Granulators

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	1	14.3%
Sysmiss		1255	

### C6\_3B4: Mixing/compounding - Fluid Bed Processors (not with syrups)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	4	57.1%
2	No	3	42.9%
Sysmiss		1255	

### C6\_3B5: Mixing/compounding - Fully Automated Compounding

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	57.1%
2	No	3	42.9%
Sysmiss		1255	

### C6\_3B6: Mixing/compounding - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	7	100%
Sysmiss		1255	

**C6\_3C: Mixing/compounding - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 2 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 59 Range: 2 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Mixing/compounding - Manual	0	0%
2	Mixing/compounding - Planetary Mixers OR homogenizers	2	33.3%
3	Mixing/compounding - High Speed, High Shear Granulators	1	16.7%
4	Mixing/compounding - Fluid Bed Processors (not with syrups)	0	0%
5	Mixing/compounding - Fully Automated Compounding	3	50%
6	Mixing/compounding - Other	0	0%
Sysmiss		1256	

**C6\_3D: Years using c6\_3b3, c6\_3b4, c6\_3b5**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 6 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: 6 - 25 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
6		1	16.7%
8		2	33.3%
9		1	16.7%
10		1	16.7%
25		1	16.7%
Sysmiss		1256	

**C6\_4A1: Compression/encapsulation - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	1	14.3%
Sysmiss		1255	

**C6\_4A2: Compression/encapsulation - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

**C6\_4A3: Compression/encapsulation - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	100%
2	No	0	0%
Sysmiss		1261	

### C6\_4B1: Compression/encapsulation - Manual

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	16.7%
2	No	5	83.3%
Sysmiss		1256	

### C6\_4B2: Compression/encapsulation - Motorized

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	4	66.7%
2	No	2	33.3%
Sysmiss		1256	

### C6\_4B3: Compression/encapsulation - Automated

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	100%
2	No	0	0%
Sysmiss		1256	

### C6\_4B4: Compression/encapsulation - Integrated

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	33.3%
2	No	4	66.7%
Sysmiss		1256	

**C6\_4B5: Compression/encapsulation - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	6	100%
Sysmiss		1256	

**C6\_4C: Compression/encapsulation - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 2 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 50 Range: 2 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Compression/encapsulation - Manual	0	0%
2	Compression/encapsulation - Motorized	2	40%
3	Compression/encapsulation - Automated	3	60%
4	Compression/encapsulation - Integrated	0	0%
5	Compression/encapsulation - Other	0	0%
Sysmiss		1257	

**C6\_4D: Years using c6\_4b3, c6\_4b4**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 5 Maximum: 25

Type: Discrete    Decimal: 0    Width: 14    Range: 5 - 25    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		2	33.3%
8		2	33.3%
9		1	16.7%
25		1	16.7%
Sysmiss		1256	

**C6\_5A1: Quality control - in-house**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 7    Invalid: 1255    Minimum: 1    Maximum: 1  
Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 1    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	100%
2	No	0	0%
Sysmiss		1255	

**C6\_5A2: Quality control - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 0    Invalid: 1262  
Type: Discrete    Decimal: 0    Width: 14    Range: -    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C6\_5A3: Quality control - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C6\_5B1: Quality control - Manual, titrimetric/chromatographic

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	28.6%
2	No	5	71.4%
Sysmiss		1255	

**C6\_5B2: Quality control - Elec. chromatography**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	85.7%
2	No	1	14.3%
Sysmiss		1255	

**C6\_5B3: Quality control - Elec. chromatography w data acquisition**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	57.1%
2	No	3	42.9%
Sysmiss		1255	

**C6\_5B4: Quality control - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	7	100%
Sysmiss		1255	

### C6\_5C: Quality Control - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 2 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 125 Range: 2 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Quality control - Manual, titrimetric/chromatographic	0	0%
2	Quality control - Elec. chromatography	2	33.3%
3	Quality control - Elec. chromatography w data acquisition	4	66.7%
4	Quality control - Other	0	0%
Sysmiss		1256	

### C6\_5D: Years using c6\_5b2, c6\_5b3

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 5 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 25 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
5		2	33.3%
8		2	33.3%
9		1	16.7%
25		1	16.7%
Sysmiss		1256	

## C6\_6A1: Package pharma. products - in house

Data file: fat\_ghana\_disclosure

### Overview

Valid: 7 Invalid: 1255 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	71.4%
2	No	2	28.6%
Sysmiss		1255	

## C6\_6A2: Package pharma. products - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1 Invalid: 1261 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	100%
2	No	0	0%
Sysmiss		1261	

**C6\_6A3: Package pharma. products - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

**C6\_6B1: Packaging - Manual filling pills or syrups**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	16.7%
2	No	5	83.3%
Sysmiss		1256	

**C6\_6B2: Packaging - Slat Counters, Cottoners, etc; machine filling**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	66.7%
2	No	2	33.3%
Sysmiss		1256	

### C6\_6B3: Packaging - Automated, integrated packaging lines

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	66.7%
2	No	2	33.3%
Sysmiss		1256	

### C6\_6B4: Packaging - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 6 Invalid: 1256 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	6	100%
Sysmiss		1256	

### C6\_6C: Packaging - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 115 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Packaging - Manual filling pills or syrups	1	25%
2	Packaging - Slat Counters, Cottoners, etc; machine filling	1	25%
3	Packaging - Automated, integrated packaging lines	2	50%
4	Packaging - Other	0	0%
Sysmiss		1258	

### C6\_6D: Years using c6\_6b2, c6\_6b3

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 5 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 10 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		1	33.3%
8		1	33.3%
10		1	33.3%
Sysmiss		1259	

**C7\_1A1: Cust. supp. - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 172 Invalid: 1090 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	142	82.6%
2	No	30	17.4%
Sysmiss		1090	

**C7\_1A2: Cust. supp. - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

**C7\_1A3: Cust. supp. - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 30 Invalid: 1232 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	6.7%
2	No	28	93.3%
Sysmiss		1232	

### C7\_1B1: Cust. serv. - Store

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 142 Invalid: 1120 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	138	97.2%
2	No	4	2.8%
Sysmiss		1120	

### C7\_1B2: Cust. serv. - Phone or Help Desk

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 142 Invalid: 1120 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	118	83.1%
2	No	24	16.9%
Sysmiss		1120	

### C7\_1B3: Cust. serv. - Social Media

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 142 Invalid: 1120 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.7%
-7	Not Applicable	0	0%
1	Yes	63	44.4%
2	No	78	54.9%
Sysmiss		1120	

### C7\_1B4: Cust. serv. - Online requests

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 142 Invalid: 1120 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.7%
-7	Not Applicable	0	0%
1	Yes	28	19.7%
2	No	113	79.6%
Sysmiss		1120	

**C7\_1B5: Cust. serv. - Chatbots**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 142 Invalid: 1120 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	15	10.6%
2	No	127	89.4%
Sysmiss		1120	

**C7\_1B6: Cust. serv. - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 142 Invalid: 1120 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	3.5%
2	No	137	96.5%
Sysmiss		1120	

**C7\_1C: Service procedure - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 121 Invalid: 1141 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Cust. serv. - Store	94	77.7%
2	Cust. serv. - Phone or Help Desk	23	19%
3	Cust. serv. - Social Media	4	3.3%
4	Cust. serv. - Online requests	0	0%
5	Cust. serv. - Chatbots	0	0%
6	Cust. serv. - Other	0	0%
Sysmiss		1141	

### C7\_1D: Years using c7\_1b3, c7\_1b4, c7\_1b5

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 65 Invalid: 1197 Minimum: 0 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 25 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		1	1.5%
2		1	1.5%
3		4	6.2%
4		1	1.5%
5		13	20%
6		7	10.8%
7		4	6.2%
8		15	23.1%
9		3	4.6%
10		3	4.6%
12		4	6.2%
14		1	1.5%
15		6	9.2%

18		1	1.5%
25		1	1.5%
Sysmiss		1197	

### C7\_2A1: Pricing - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 172 Invalid: 1090 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	154	89.5%
2	No	18	10.5%
Sysmiss		1090	

### C7\_2A2: Pricing - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	77.8%
2	No	2	22.2%
Sysmiss		1253	

**C7\_2A3: Pricing - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 11 Invalid: 1251 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	9.1%
-7	Not Applicable	0	0%
1	Yes	2	18.2%
2	No	8	72.7%
Sysmiss		1251	

**C7\_2B1: Pricing - Manual Cost**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 161 Invalid: 1101 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	153	95%
2	No	8	5%
Sysmiss		1101	

**C7\_2B2: Pricing - Automated markup**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 161 Invalid: 1101 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.6%
-7	Not Applicable	0	0%
1	Yes	56	34.8%
2	No	104	64.6%
Sysmiss		1101	

### C7\_2B3: Pricing - Automated promotional

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 161 Invalid: 1101 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	30	18.6%
2	No	131	81.4%
Sysmiss		1101	

### C7\_2B4: Pricing - Dynamic pricing systems

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 161 Invalid: 1101 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.6%
-7	Not Applicable	0	0%

1	Yes	19	11.8%
2	No	141	87.6%
Sysmiss		1101	

### C7\_2B5: Pricing - Personalized pricing (predictive analytics)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 161 Invalid: 1101 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	1.2%
-7	Not Applicable	0	0%
1	Yes	7	4.3%
2	No	152	94.4%
Sysmiss		1101	

### C7\_2B6: Pricing - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 161 Invalid: 1101 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	1.2%
2	No	159	98.8%
Sysmiss		1101	

**C7\_2C: Pricing - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 65 Invalid: 1197 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Pricing - Manual Cost	37	56.9%
2	Pricing - Automated markup	9	13.8%
3	Pricing - Automated promotional	14	21.5%
4	Pricing - Dynamic pricing systems	5	7.7%
5	Pricing - Personalized pricing (predictive analytics)	0	0%
6	Pricing - Other	0	0%
Sysmiss		1197	

**C7\_2D: Years using c7\_2b4, c7\_2b5**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 22 Invalid: 1240 Minimum: 3 Maximum: 22  
 Type: Discrete Decimal: 0 Width: 14 Range: 3 - 22 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
3		1	4.5%
5		7	31.8%
6		1	4.5%
7		2	9.1%
8		4	18.2%
9		1	4.5%
10		3	13.6%
15		2	9.1%

22		1	4.5%
Sysmiss		1240	

### C7\_2DA: Regulation - price mechanism

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 172 Invalid: 1090 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	1.2%
-7	Not Applicable	0	0%
1	Yes	56	32.6%
2	No	114	66.3%
Sysmiss		1090	

### C7\_2DB: Agency regulating price

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 39 Range: - Format: character

### C7\_3A1: Merchandising - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 172 Invalid: 1090 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	141	82%
2	No	31	18%
Sysmiss		1090	

### C7\_3A2: Merchandising - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 5 Invalid: 1257 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	20%
2	No	4	80%
Sysmiss		1257	

### C7\_3A3: Merchandising - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 30 Invalid: 1232 Minimum: -7 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	1	3.3%
1	Yes	2	6.7%
2	No	27	90%
Sysmiss		1232	

**C7\_3B1: Merchandising - Manually selection**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 142 Invalid: 1120 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	139	97.9%
2	No	3	2.1%
Sysmiss		1120	

**C7\_3B2: Merchandising - Category mgt.**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 142 Invalid: 1120 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	80	56.3%
2	No	62	43.7%
Sysmiss		1120	

**C7\_3B3: Merchandising - Retail Merch. Systems or Digital Merch.**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 142 Invalid: 1120 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	25	17.6%
2	No	117	82.4%
Sysmiss		1120	

### C7\_3B4: Merchandising - Product trend analytics

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 142 Invalid: 1120 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	8	5.6%
2	No	134	94.4%
Sysmiss		1120	

### C7\_3B5: Merchandising - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 142 Invalid: 1120 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	2	1.4%
2	No	140	98.6%
Sysmiss		1120	

### C7\_3C: Merchandising - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 88 Invalid: 1174 Minimum: 1 Maximum: 3  
Type: Discrete Decimal: 0 Width: 80 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Merchandising - Manually selection	52	59.1%
2	Merchandising - Category mgt.	30	34.1%
3	Merchandising - Retail Merch. Systems or Digital Merch.	6	6.8%
4	Merchandising - Product trend analytics	0	0%
5	Merchandising - Other	0	0%
Sysmiss		1174	

### C7\_3D: Years using c7\_3b3, c7\_3b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 27 Invalid: 1235 Minimum: 2 Maximum: 15  
Type: Discrete Decimal: 0 Width: 14 Range: 2 - 15 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
2		2	7.4%
3		2	7.4%
4		1	3.7%
5		5	18.5%

8		9	33.3%
9		3	11.1%
10		3	11.1%
15		2	7.4%
Sysmiss		1235	

### C7\_4A1: Mgt. inventory - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 172 Invalid: 1090 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	166	96.5%
2	No	6	3.5%
Sysmiss		1090	

### C7\_4A2: Mgt. inventory - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	100%
2	No	0	0%
Sysmiss		1261	

**C7\_4A3: Mgt. inventory - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	5	100%
Sysmiss		1257	

**C7\_4B1: Inventory - Handwritten record keeping**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 167 Invalid: 1095 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	157	94%
2	No	10	6%
Sysmiss		1095	

**C7\_4B2: Inventory - Computer databases (manual updates)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 167 Invalid: 1095 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	108	64.7%
2	No	59	35.3%
Sysmiss		1095	

### C7\_4B3: Inventory - WMS (specialised software)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 167 Invalid: 1095 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	59	35.3%
2	No	108	64.7%
Sysmiss		1095	

### C7\_4B4: Inventory - CAO, vendor-managed, and/or radio-frequency identification

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 167 Invalid: 1095 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	9	5.4%
2	No	158	94.6%
Sysmiss		1095	

### C7\_4B5: Inventory - AS/RS

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 167 Invalid: 1095 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.6%
-7	Not Applicable	0	0%
1	Yes	2	1.2%
2	No	164	98.2%
Sysmiss		1095	

### C7\_4B6: Inventory - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 167 Invalid: 1095 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	1.2%
2	No	165	98.8%
Sysmiss		1095	

**C7\_4C: Inventory - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 112    Invalid: 1150    Minimum: 1    Maximum: 4  
 Type: Discrete    Decimal: 0    Width: 96    Range: 1 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Inventory - Handwritten record keeping	25	22.3%
2	Inventory - Computer databases (manual updates)	76	67.9%
3	Inventory - WMS (specialised software)	10	8.9%
4	Inventory - CAO, vendor-managed, and/or radio-frequency identification	1	0.9%
5	Inventory - AS/RS	0	0%
6	Inventory - Other	0	0%
Sysmiss		1150	

**C7\_4D: Years using c7\_4b4, c7\_4b5**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 10    Invalid: 1252    Minimum: 3    Maximum: 10  
 Type: Discrete    Decimal: 0    Width: 14    Range: 3 - 10    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
3		1	10%
5		1	10%
7		3	30%
8		4	40%
10		1	10%
Sysmiss		1252	

**C7\_5A1: Ads - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 172 Invalid: 1090 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	90	52.3%
2	No	82	47.7%
Sysmiss		1090	

**C7\_5A2: Ads - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 19 Invalid: 1243 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	26.3%
2	No	14	73.7%
Sysmiss		1243	

**C7\_5A3: Ads - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 77 Invalid: 1185 Minimum: -7 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	2	2.6%
1	Yes	5	6.5%
2	No	70	90.9%
Sysmiss		1185	

### C7\_5B1: Ad channels - Paper based communication

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 95 Invalid: 1167 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	70	73.7%
2	No	25	26.3%
Sysmiss		1167	

### C7\_5B2: Ad channels - Radio, Billboards, TV

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 95 Invalid: 1167 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	60	63.2%
2	No	35	36.8%
Sysmiss		1167	

### C7\_5B3: Ad channels - Email or mobile phone

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 95 Invalid: 1167 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	39	41.1%
2	No	56	58.9%
Sysmiss		1167	

### C7\_5B4: Ad channels - Social Media

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 95 Invalid: 1167 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	39	41.1%
2	No	56	58.9%
Sysmiss		1167	

**C7\_5B5: Ad channels - Search Engine Marketing****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 95 Invalid: 1167 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	2.1%
-7	Not Applicable	0	0%
1	Yes	16	16.8%
2	No	77	81.1%
Sysmiss		1167	

**C7\_5B6: Ad channels - Big data Analytics or AI****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 95 Invalid: 1167 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	5.3%
2	No	90	94.7%
Sysmiss		1167	

**C7\_5B7: Ad channels - Other****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 95 Invalid: 1167 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	2.1%
2	No	93	97.9%
Sysmiss		1167	

### C7\_5C: Ad channels - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 68 Invalid: 1194 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 52 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Ad channels - Paper based communication	11	16.2%
2	Ad channels - Radio, Billboards, TV	39	57.4%
3	Ad channels - Email or mobile phone	3	4.4%
4	Ad channels - Social Media	14	20.6%
5	Ad channels - Search Engine Marketing	1	1.5%
6	Ad channels - Big data Analytics or AI	0	0%
7	Ad channels - Other	0	0%
Sysmiss		1194	

### C7\_5D: Years using c7\_5b5, c7\_5b6

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 18 Invalid: 1244 Minimum: 2 Maximum: 15  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 15 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
2		1	5.6%
4		1	5.6%
5		4	22.2%
6		1	5.6%
7		1	5.6%
8		2	11.1%
9		1	5.6%
10		4	22.2%
15		3	16.7%
Sysmiss		1244	

### C8\_0A: N checking accounts managed

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 90 Invalid: 1172 Minimum: -9 Maximum: 423150  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 423150 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.1%
-7	Not Applicable	7	7.8%
0		9	10%
1		2	2.2%
2		1	1.1%
3		1	1.1%
5		1	1.1%
10		1	1.1%
15		2	2.2%
25		1	1.1%
30		2	2.2%

50		2	2.2%
80		1	1.1%
100		3	3.3%
138		1	1.1%
150		4	4.4%
200		4	4.4%
240		1	1.1%
250		2	2.2%
280		2	2.2%
290		1	1.1%
308		1	1.1%
350		1	1.1%
400		2	2.2%
410		1	1.1%
530		1	1.1%
613		1	1.1%
670		1	1.1%
722		1	1.1%
877		1	1.1%
980		1	1.1%
982		1	1.1%
1002		1	1.1%
1200		2	2.2%
1252		1	1.1%
1538		1	1.1%
1625		1	1.1%
2000		5	5.6%
2325		1	1.1%
2424		1	1.1%
2500		1	1.1%
2600		1	1.1%
2674		1	1.1%
3000		1	1.1%
3500		2	2.2%
5000		1	1.1%
7000		1	1.1%
7200		1	1.1%
8723		1	1.1%
9800		1	1.1%

10235		1	1.1%
18094		1	1.1%
18232		1	1.1%
33260		1	1.1%
423150		1	1.1%
Sysmiss		1172	

## C8\_0B: N saving acc. managed

Data file: fat\_ghana\_disclosure

### Overview

Valid: 90 Invalid: 1172 Minimum: -9 Maximum: 400012  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 400012 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.1%
-7	Not Applicable	5	5.6%
0		3	3.3%
1		2	2.2%
2		1	1.1%
3		1	1.1%
5		1	1.1%
10		1	1.1%
15		1	1.1%
17		1	1.1%
25		1	1.1%
45		1	1.1%
100		2	2.2%
150		1	1.1%
200		4	4.4%
240		1	1.1%
249		1	1.1%
250		3	3.3%
290		1	1.1%
294		1	1.1%
300		3	3.3%

350		3	3.3%
400		3	3.3%
410		1	1.1%
420		2	2.2%
450		1	1.1%
510		1	1.1%
586		1	1.1%
600		1	1.1%
620		1	1.1%
650		1	1.1%
680		1	1.1%
714		1	1.1%
786		1	1.1%
800		2	2.2%
853		1	1.1%
1200		1	1.1%
1500		1	1.1%
1800		2	2.2%
1893		1	1.1%
2000		4	4.4%
2102		1	1.1%
2123		1	1.1%
2350		1	1.1%
2424		1	1.1%
2500		2	2.2%
2674		1	1.1%
2682		1	1.1%
2800		1	1.1%
3000		1	1.1%
3256		1	1.1%
3801		1	1.1%
4500		1	1.1%
5000		1	1.1%
5066		1	1.1%
6640		1	1.1%
7200		1	1.1%
8723		1	1.1%
9825		1	1.1%
12536		1	1.1%

30022		1	1.1%
42538		1	1.1%
223955		1	1.1%
400012		1	1.1%
Sysmiss		1172	

## C8\_0C: N loans managed

Data file: fat\_ghana\_disclosure

### Overview

Valid: 90 Invalid: 1172 Minimum: -9 Maximum: 44487  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 44487 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.1%
-7	Not Applicable	3	3.3%
0		3	3.3%
10		1	1.1%
11		1	1.1%
12		1	1.1%
15		1	1.1%
18		1	1.1%
20		5	5.6%
25		1	1.1%
30		1	1.1%
37		1	1.1%
47		1	1.1%
50		1	1.1%
60		2	2.2%
66		1	1.1%
80		1	1.1%
90		1	1.1%
96		1	1.1%
100		4	4.4%
103		1	1.1%
120		2	2.2%

140		1	1.1%
150		7	7.8%
152		1	1.1%
180		1	1.1%
182		1	1.1%
200		3	3.3%
220		2	2.2%
230		1	1.1%
250		3	3.3%
300		2	2.2%
308		2	2.2%
350		1	1.1%
500		3	3.3%
800		3	3.3%
820		1	1.1%
900		1	1.1%
950		1	1.1%
1000		1	1.1%
1060		1	1.1%
1068		1	1.1%
1200		1	1.1%
1500		1	1.1%
1520		2	2.2%
1524		1	1.1%
1600		1	1.1%
2158		1	1.1%
3321		1	1.1%
4500		1	1.1%
6820		1	1.1%
7150		1	1.1%
8000		1	1.1%
8750		1	1.1%
9620		1	1.1%
15329		1	1.1%
17320		1	1.1%
21200		1	1.1%
44487		1	1.1%
Sysmiss		1172	

**C8\_1A1: Cust. serv. (checking + savings acc) - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 90 Invalid: 1172 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	83	92.2%
2	No	7	7.8%
Sysmiss		1172	

**C8\_1A2: Cust. serv. (checking + savings acc) - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	50%
2	No	1	50%
Sysmiss		1260	

**C8\_1A3: Cust. serv. (checking + savings acc) - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: -7 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	1	16.7%
0		2	33.3%
1	Yes	3	50%
2	No	0	0%
Sysmiss		1256	

### C8\_1B1: Cust. serv. - Teller

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 84 Invalid: 1178 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	84	100%
2	No	0	0%
Sysmiss		1178	

### C8\_1B2: Cust. serv. - ATM machines

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 84 Invalid: 1178 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.2%

-7	Not Applicable	0	0%
1	Yes	47	56%
2	No	36	42.9%
Sysmiss		1178	

### C8\_1B3: Cust. serv. - On-line on company website

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 84 Invalid: 1178 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.2%
-7	Not Applicable	0	0%
1	Yes	44	52.4%
2	No	39	46.4%
Sysmiss		1178	

### C8\_1B4: Cust. serv. - Mobile app

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 84 Invalid: 1178 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	61	72.6%
2	No	23	27.4%
Sysmiss		1178	

**C8\_1B6: Cust. serv. - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 84 Invalid: 1178 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.2%
-7	Not Applicable	0	0%
1	Yes	8	9.5%
2	No	75	89.3%
Sysmiss		1178	

**C8\_1C: Cust. serv. - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 40 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Cust. serv. - Teller	74	98.7%
2	Cust. serv. - ATM machines	0	0%
3	Cust. serv. - On-line on company website	0	0%
4	Cust. serv. - Mobile app	1	1.3%
6	Cust. serv. - Other	0	0%
Sysmiss		1187	

**C8\_1D: Years using c8\_1b3, c8\_1b4**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 66 Invalid: 1196 Minimum: 2 Maximum: 28

Type: Discrete    Decimal: 0    Width: 14    Range: 2 - 28    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
2		1	1.5%
3		4	6.1%
4		2	3%
5		6	9.1%
6		3	4.5%
7		3	4.5%
8		7	10.6%
9		9	13.6%
10		11	16.7%
11		1	1.5%
15		10	15.2%
17		1	1.5%
18		2	3%
20		3	4.5%
25		2	3%
28		1	1.5%
Sysmiss		1196	

**C8\_2A1: Client id/fraud - in house**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 90    Invalid: 1172    Minimum: 1    Maximum: 2  
Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	74	82.2%

2	No	16	17.8%
Sysmiss		1172	

### C8\_2A2: Client id/fraud - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	87.5%
2	No	1	12.5%
Sysmiss		1254	

### C8\_2A3: Client id/fraud - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		5	55.6%
1	Yes	4	44.4%
2	No	0	0%
Sysmiss		1253	

**C8\_2B1: Verification id - Teller****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 81 Invalid: 1181 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	80	98.8%
2	No	1	1.2%
Sysmiss		1181	

**C8\_2B2: Verification id - online passwords****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 81 Invalid: 1181 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	56	69.1%
2	No	25	30.9%
Sysmiss		1181	

**C8\_2B3: Verification id - online passwords (combined)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 81 Invalid: 1181 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	44	54.3%
2	No	37	45.7%
Sysmiss		1181	

### C8\_2B4: Verification id - Digital auth.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 81 Invalid: 1181 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.2%
-7	Not Applicable	0	0%
1	Yes	39	48.1%
2	No	41	50.6%
Sysmiss		1181	

### C8\_2B5: Verification id - Biometrics

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 81 Invalid: 1181 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	45	55.6%
2	No	36	44.4%
Sysmiss		1181	

### C8\_2B6: Verification id - Blockchain

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 81 Invalid: 1181 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	20	24.7%
2	No	61	75.3%
Sysmiss		1181	

### C8\_2B7: Verification id - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 81 Invalid: 1181 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	8	9.9%
2	No	73	90.1%
Sysmiss		1181	

**C8\_2C: Verification - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 67 Invalid: 1195 Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 67 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Verification id - Teller	56	83.6%
2	Verification id - online passwords	2	3%
3	Verification id - online passwords (combined)	2	3%
4	Verification id - Digital auth.	4	6%
5	Verification id - Biometrics	2	3%
6	Verification id - Blockchain	1	1.5%
7	Verification id - Other	0	0%
Sysmiss		1195	

**C8\_2D: Years using c8\_2b4, c8\_2b5, c8\_2b6**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 52 Invalid: 1210 Minimum: 5 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 25 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		5	9.6%
7		3	5.8%
8		7	13.5%
9		6	11.5%
10		14	26.9%
11		3	5.8%
12		1	1.9%

15		5	9.6%
17		1	1.9%
18		3	5.8%
20		3	5.8%
25		1	1.9%
Sysmiss		1210	

### C8\_3A1: Loan app - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 90 Invalid: 1172 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	84	93.3%
2	No	6	6.7%
Sysmiss		1172	

### C8\_3A2: Loan app - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	100%
2	No	0	0%
Sysmiss		1261	

**C8\_3A3: Loan app - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 5 Invalid: 1257 Minimum: -7 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	1	20%
0		3	60%
1	Yes	1	20%
2	No	0	0%
Sysmiss		1257	

**C8\_3B1: Loan app - Loan officer (paper-based)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	84	98.8%
2	No	1	1.2%
Sysmiss		1177	

**C8\_3B2: Loan app - Mobile app + paper**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	54	63.5%
2	No	31	36.5%
Sysmiss		1177	

**C8\_3B3: Loan app - Channel partners**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	62	72.9%
2	No	23	27.1%
Sysmiss		1177	

**C8\_3B4: Loan app - Mobile app + digital process**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	30	35.3%
2	No	55	64.7%
Sysmiss		1177	

### C8\_3B5: Loan app - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	5.9%
2	No	80	94.1%
Sysmiss		1177	

### C8\_3C: Loan app - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 68 Invalid: 1194 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 72 Range: 1 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Loan app - Loan officer (paper-based)	48	70.6%
2	Loan app - Mobile app + paper	13	19.1%
3	Loan app - Channel partners	3	4.4%
4	Loan app - Mobile app + digital process	4	5.9%

5	Loan app - Other	0	0%
Sysmiss		1194	

### C8\_3D: Years using c8\_3b2, c8\_3b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 30 Invalid: 1232 Minimum: 5 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 25 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		2	6.7%
7		2	6.7%
8		3	10%
9		4	13.3%
10		8	26.7%
11		1	3.3%
12		1	3.3%
15		6	20%
17		1	3.3%
18		1	3.3%
25		1	3.3%
Sysmiss		1232	

### C8\_4A1: Credit approvals - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 90 Invalid: 1172 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	85	94.4%
2	No	5	5.6%
Sysmiss		1172	

### C8\_4A2: Credit approvals - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C8\_4A3: Credit approvals - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 5 Invalid: 1257 Minimum: 0 Maximum: 1

Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		4	80%
1	Yes	1	20%
2	No	0	0%
Sysmiss		1257	

**C8\_4B1: Credit approvals - Analyst (paper-based)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	81	95.3%
2	No	4	4.7%
Sysmiss		1177	

**C8\_4B2: Credit approvals - Analyst (digital info)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	63	74.1%
2	No	22	25.9%
Sysmiss		1177	

**C8\_4B3: Credit approvals - Automated**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	39	45.9%
2	No	46	54.1%
Sysmiss		1177	

### C8\_4B4: Credit approvals - Algorithm (AI or Big-Data)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	24	28.2%
2	No	61	71.8%
Sysmiss		1177	

### C8\_4B5: Credit approvals - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 85 Invalid: 1177 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	7	8.2%
2	No	78	91.8%
Sysmiss		1177	

### C8\_4C: Credit approvals - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 67 Invalid: 1195 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 78 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Credit approvals - Analyst (paper-based)	50	74.6%
2	Credit approvals - Analyst (digital info)	14	20.9%
3	Credit approvals - Automated	3	4.5%
4	Credit approvals - Algorithm (AI or Big-Data)	0	0%
5	Credit approvals - Other	0	0%
Sysmiss		1195	

### C8\_4D: Years using c8\_4b3, c8\_4b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 42 Invalid: 1220 Minimum: 5 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 25 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		3	7.1%
6		1	2.4%
7		1	2.4%
8		5	11.9%

9		7	16.7%
10		13	31%
11		1	2.4%
15		5	11.9%
17		2	4.8%
18		2	4.8%
20		1	2.4%
25		1	2.4%
Sysmiss		1220	

### C8\_5A1: Operational supp. - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 90 Invalid: 1172 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	80	88.9%
2	No	10	11.1%
Sysmiss		1172	

### C8\_5A2: Operational supp. - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

### C8\_5A3: Operational supp. - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 10 Invalid: 1252 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		9	90%
1	Yes	1	10%
2	No	0	0%
Sysmiss		1252	

### C8\_5B1: Op. supp. - writing records

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 80 Invalid: 1182 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	78	97.5%
2	No	2	2.5%
Sysmiss		1182	

**C8\_5B2: Op. supp. - dig. accounting (PCs)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 80 Invalid: 1182 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	71	88.8%
2	No	9	11.3%
Sysmiss		1182	

**C8\_5B3: Op. supp. - dig. network****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 80 Invalid: 1182 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	54	67.5%
2	No	26	32.5%
Sysmiss		1182	

**C8\_5B4: Op. supp. - other****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 80 Invalid: 1182 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	11	13.8%
2	No	69	86.3%
Sysmiss		1182	

### C8\_5C: Op. supp. - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 71 Invalid: 1191 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 59 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Op. supp. - writing records	31	43.7%
2	Op. supp. - dig. accounting (PCs)	26	36.6%
3	Op. supp. - dig. network	14	19.7%
4	Op. supp. - other	0	0%
Sysmiss		1191	

### C8\_5D: Years using c8\_5b2, c8\_5b3

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 73 Invalid: 1189 Minimum: 4 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: 4 - 25 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
4		2	2.7%
5		9	12.3%
6		2	2.7%
7		2	2.7%
8		11	15.1%
9		5	6.8%
10		13	17.8%
11		3	4.1%
12		4	5.5%
13		1	1.4%
14		1	1.4%
15		14	19.2%
18		1	1.4%
20		3	4.1%
25		2	2.7%
Sysmiss		1189	

### C9\_0A1: Transport serv. - Passengers

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	36	83.7%
2	No	7	16.3%
Sysmiss		1219	

### C9\_0A2: Transport serv. - Freight

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 43 Invalid: 1219 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2.3%
-7	Not Applicable	0	0%
1	Yes	7	16.3%
2	No	35	81.4%
Sysmiss		1219	

**C9\_0A3: Transport serv. - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 43 Invalid: 1219 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2.3%
-7	Not Applicable	0	0%
1	Yes	9	20.9%
2	No	33	76.7%
Sysmiss		1219	

**C9\_0B1: Fleet type - Trucks**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	13	30.2%
2	No	30	69.8%
Sysmiss		1219	

## C9\_0B2: Fleet type - Cars

Data file: fat\_ghana\_disclosure

### Overview

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	34	79.1%
2	No	9	20.9%
Sysmiss		1219	

## C9\_0B3: Fleet type - Motorcycle

Data file: fat\_ghana\_disclosure

### Overview

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	4.7%
2	No	41	95.3%
Sysmiss		1219	

**C9\_0B4: Fleet type - Others**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 43 Invalid: 1219 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2.3%
-7	Not Applicable	0	0%
1	Yes	9	20.9%
2	No	33	76.7%
Sysmiss		1219	

**C9\_0B5: N of vehicles - Trucks**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 13 Invalid: 1249 Minimum: -9 Maximum: 42  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 42 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	7.7%
-7	Not Applicable	0	0%
2		1	7.7%
3		1	7.7%
10		3	23.1%
12		2	15.4%
15		1	7.7%
20		1	7.7%
27		1	7.7%
30		1	7.7%
42		1	7.7%

Sysmiss		1249	
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## C9\_0B6: N of vehicles - Cars

Data file: fat\_ghana\_disclosure

### Overview

Valid: 34 Invalid: 1228 Minimum: 1 Maximum: 200  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 200 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		2	5.9%
2		1	2.9%
3		1	2.9%
5		1	2.9%
7		1	2.9%
9		1	2.9%
10		2	5.9%
15		3	8.8%
19		1	2.9%
20		2	5.9%
22		1	2.9%
30		3	8.8%
35		1	2.9%
40		2	5.9%
42		1	2.9%
50		2	5.9%
60		3	8.8%
80		1	2.9%
82		1	2.9%
88		1	2.9%
100		1	2.9%
200		2	5.9%
Sysmiss		1228	

**C9\_0B7: N of vehicles - Motorcycle**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 5 Maximum: 10  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 10 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		1	50%
10		1	50%
Sysmiss		1260	

**C9\_0B8: N of vehicles with automatic transmission**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 40 Invalid: 1222 Minimum: -9 Maximum: 124  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 124 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	10%
-7	Not Applicable	4	10%
1		4	10%
2		6	15%
3		1	2.5%
5		3	7.5%
6		1	2.5%
7		1	2.5%
8		1	2.5%
9		1	2.5%
10		2	5%
13		1	2.5%
25		1	2.5%

35		1	2.5%
40		1	2.5%
42		1	2.5%
50		2	5%
52		1	2.5%
88		1	2.5%
96		1	2.5%
100		1	2.5%
124		1	2.5%
Sysmiss		1222	

### C9\_0B9: N of vehicles with hybrid or electric

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 43 Invalid: 1219 Minimum: -9 Maximum: 200  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 200 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	7%
-7	Not Applicable	10	23.3%
1		5	11.6%
2		2	4.7%
3		1	2.3%
4		1	2.3%
5		1	2.3%
8		3	7%
10		2	4.7%
15		1	2.3%
18		1	2.3%
20		1	2.3%
27		1	2.3%
30		1	2.3%
40		1	2.3%
45		1	2.3%
50		1	2.3%

70		1	2.3%
72		1	2.3%
77		1	2.3%
82		1	2.3%
88		1	2.3%
155		1	2.3%
200		1	2.3%
Sysmiss		1219	

### C9\_0B10: N of vehicles with GPS tracking

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 40 Invalid: 1222 Minimum: -9 Maximum: 200  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 200 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	10%
-7	Not Applicable	9	22.5%
1		7	17.5%
2		3	7.5%
7		1	2.5%
8		2	5%
10		3	7.5%
11		1	2.5%
13		1	2.5%
27		1	2.5%
30		1	2.5%
40		1	2.5%
58		1	2.5%
70		1	2.5%
80		1	2.5%
88		1	2.5%
92		1	2.5%
200		1	2.5%
Sysmiss		1222	

**C9\_0C1: Regulations - hours uninterrupted driving**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	31	72.1%
2	No	12	27.9%
Sysmiss		1219	

**C9\_0C2: Regulations - type of vehicles allowed**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	38	88.4%
2	No	5	11.6%
Sysmiss		1219	

**C9\_1A1: Load optimization - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	38	88.4%
2	No	5	11.6%
Sysmiss		1219	

### C9\_1A2: Load optimization - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C9\_1A3: Load optimization - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 5 Invalid: 1257 Minimum: -7 Maximum: 0

Type: Discrete Decimal: 0 Width: 14 Range: -7 - 0 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	2	40%

0		3	60%
1	Yes	0	0%
2	No	0	0%
Sysmiss		1257	

### C9\_1B1: Transportation planning - handwritten info.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 38 Invalid: 1224 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	36	94.7%
2	No	2	5.3%
Sysmiss		1224	

### C9\_1B2: Transportation planning - electronic file share

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 38 Invalid: 1224 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	10	26.3%
2	No	28	73.7%
Sysmiss		1224	

**C9\_1B3: Transportation planning - installed software**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 38 Invalid: 1224 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	18.4%
2	No	31	81.6%
Sysmiss		1224	

**C9\_1B4: Transportation planning - real time info. with ERP**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 38 Invalid: 1224 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	5	13.2%
2	No	33	86.8%
Sysmiss		1224	

**C9\_1B5: Transportation planning - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 38 Invalid: 1224 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	5.3%
2	No	36	94.7%
Sysmiss		1224	

### C9\_1C: Transportation planning - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 11 Invalid: 1251 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 88 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Information collected by non-specialized workers to create load plans	4	36.4%
2	Information collected by electronic file share (e.g. Email or FAX to create load plans)	3	27.3%
3	Batch information collected by software installed ERP to create ERP generated load plans	3	27.3%
4	Real time information by online software interface with ERP to create load plans	1	9.1%
5	Other	0	0%
Sysmiss		1251	

### C9\_1D: Years using c9\_1b3, c9\_1b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 7 Invalid: 1255 Minimum: 5 Maximum: 22  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 22 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		1	14.3%
8		1	14.3%
9		1	14.3%
10		1	14.3%
11		1	14.3%
15		1	14.3%
22		1	14.3%
Sysmiss		1255	

### C9\_2A1: Execute transp. load plans - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	35	81.4%
2	No	8	18.6%
Sysmiss		1219	

### C9\_2A2: Execute transp. load plans - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know

-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C9\_2A3: Execute transp. load plans - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 8 Invalid: 1254 Minimum: -7 Maximum: 0  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 0 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	1	12.5%
0		7	87.5%
1	Yes	0	0%
2	No	0	0%
Sysmiss		1254	

### C9\_2B1: Loading - Manual process (fax, text, phone)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 35 Invalid: 1227 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	35	100%
2	No	0	0%
Sysmiss		1227	

**C9\_2B2: Loading - Manual process (dig. platforms)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 35 Invalid: 1227 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	14	40%
2	No	21	60%
Sysmiss		1227	

**C9\_2B3: Loading - web-based**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 35 Invalid: 1227 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	9	25.7%
2	No	26	74.3%
Sysmiss		1227	

**C9\_2B4: Loading - specific software interface via Internet**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 35 Invalid: 1227 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	5.7%
-7	Not Applicable	0	0%
1	Yes	6	17.1%
2	No	27	77.1%
Sysmiss		1227	

### C9\_2B5: Loading - file exchange (ERP integrated apps)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 35 Invalid: 1227 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	11.4%
2	No	31	88.6%
Sysmiss		1227	

### C9\_2B6: Loading - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 35 Invalid: 1227 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	3	8.6%
2	No	32	91.4%
Sysmiss		1227	

### C9\_2C: Loading - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 15 Invalid: 1247 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 133 Range: 1 - 4 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Loading - Manual process (fax, text, phone)	6	40%
2	Loading - Manual process (dig. platforms)	4	26.7%
3	Loading - web-based	4	26.7%
4	Loading - specific software interface via Internet	1	6.7%
5	Loading - file exchange (ERP integrated apps)	0	0%
6	Loading - Other	0	0%
Sysmiss		1247	

### C9\_2D: Years using c9\_2b3, c9\_2b4, c9\_2b5

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 3 Maximum: 22  
 Type: Discrete Decimal: 0 Width: 14 Range: 3 - 22 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
3		1	11.1%
6		1	11.1%
8		1	11.1%

9		1	11.1%
10		3	33.3%
11		1	11.1%
22		1	11.1%
Sysmiss		1253	

### C9\_3A1: Monitor load/delivery - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	32	74.4%
2	No	11	25.6%
Sysmiss		1219	

### C9\_3A2: Monitor load/delivery - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

**C9\_3A3: Monitor load/delivery - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 11 Invalid: 1251 Minimum: -7 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	1	9.1%
0		8	72.7%
1	Yes	2	18.2%
2	No	0	0%
Sysmiss		1251	

**C9\_3B1: Monitoring load/delivery - Event driven (fax, text, phone calls)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 32 Invalid: 1230 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	28	87.5%
2	No	4	12.5%
Sysmiss		1230	

**C9\_3B2: Monitoring load/delivery - Event driven (digital)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 32 Invalid: 1230 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	10	31.3%
2	No	22	68.8%
Sysmiss		1230	

**C9\_3B3: Monitoring load/delivery - Paper documentation**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 32 Invalid: 1230 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	8	25%
2	No	24	75%
Sysmiss		1230	

**C9\_3B4: Monitoring load/delivery - installed softwares**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 32 Invalid: 1230 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	7	21.9%
2	No	25	78.1%
Sysmiss		1230	

### C9\_3B5: Monitoring load/delivery - ERP integrated apps

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 32 Invalid: 1230 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	9.4%
2	No	29	90.6%
Sysmiss		1230	

### C9\_3B6: Monitoring load/delivery - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 32 Invalid: 1230 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	3.1%
-7	Not Applicable	0	0%
1	Yes	4	12.5%
2	No	27	84.4%
Sysmiss		1230	

**C9\_3C: Transportation monitoring - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 13 Invalid: 1249 Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 155 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Monitoring load/delivery - Event driven (fax, text, phone calls)	5	38.5%
2	Monitoring load/delivery - Event driven (digital)	3	23.1%
3	Monitoring load/delivery - Paper documentation	0	0%
4	Monitoring load/delivery - installed softwares	4	30.8%
5	Monitoring load/delivery - ERP integrated apps	0	0%
6	Monitoring load/delivery - Other	1	7.7%
Sysmiss		1249	

**C9\_3D: Years using c9\_3b3, c9\_3b4, c9\_3b5**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 9 Invalid: 1253 Minimum: 3 Maximum: 22  
 Type: Discrete Decimal: 0 Width: 14 Range: 3 - 22 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
3		1	11.1%
4		1	11.1%
5		1	11.1%
6		1	11.1%
10		2	22.2%
11		1	11.1%

15		1	11.1%
22		1	11.1%
Sysmiss		1253	

### C9\_4A1: Transport performance - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	39	90.7%
2	No	4	9.3%
Sysmiss		1219	

### C9\_4A2: Transport performance - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

**C9\_4A3: Transport performance - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 4 Invalid: 1258 Minimum: 0 Maximum: 0  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 0 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		4	100%
1	Yes	0	0%
2	No	0	0%
Sysmiss		1258	

**C9\_4B1: Transp. perf. - manually**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 39 Invalid: 1223 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	39	100%
2	No	0	0%
Sysmiss		1223	

**C9\_4B2: Transp. perf. - computer (non-specialized software)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 39 Invalid: 1223 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	14	35.9%
2	No	25	64.1%
Sysmiss		1223	

### C9\_4B3: Transp. perf. - computer (specialised transp. reporting)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 39 Invalid: 1223 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	8	20.5%
2	No	31	79.5%
Sysmiss		1223	

### C9\_4B4: Transp. perf. - installed software

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 39 Invalid: 1223 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2.6%
-7	Not Applicable	0	0%

1	Yes	7	17.9%
2	No	31	79.5%
Sysmiss		1223	

### C9\_4B5: Transp. perf. - file exchange between ERP integrated

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 39 Invalid: 1223 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2.6%
-7	Not Applicable	0	0%
1	Yes	4	10.3%
2	No	34	87.2%
Sysmiss		1223	

### C9\_4B6: Transp. perf. - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 39 Invalid: 1223 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	7.7%
2	No	36	92.3%
Sysmiss		1223	

**C9\_4C: Transp. Perf. - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 15 Invalid: 1247 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 122 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Transp. perf. - manually	6	40%
2	Transp. perf. - computer (non-specialized software)	4	26.7%
3	Transp. perf. - computer (specialised transp. reporting)	4	26.7%
4	Transp. perf. - installed software	1	6.7%
5	Transp. perf. - file exchange between ERP integrated	0	0%
6	Transp. perf. - Other	0	0%
Sysmiss		1247	

**C9\_4D: Years using c9\_4b3, c9\_4b4, c9\_4b5**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 9 Invalid: 1253 Minimum: 6 Maximum: 22  
 Type: Discrete Decimal: 0 Width: 14 Range: 6 - 22 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
6		2	22.2%
8		1	11.1%
9		1	11.1%
10		3	33.3%
11		1	11.1%
22		1	11.1%
Sysmiss		1253	

**C9\_5A1: Fleet assets - in house**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 43 Invalid: 1219 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	36	83.7%
2	No	7	16.3%
Sysmiss		1219	

**C9\_5A2: Fleet assets - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C9\_5A3: Fleet assets - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 7 Invalid: 1255 Minimum: -7 Maximum: 0  
 Type: Discrete Decimal: 0 Width: 14 Range: -7 - 0 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	1	14.3%
0		6	85.7%
1	Yes	0	0%
2	No	0	0%
Sysmiss		1255	

### C9\_5B1: Fleet management - manual

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 36 Invalid: 1226 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	35	97.2%
2	No	1	2.8%
Sysmiss		1226	

### C9\_5B2: Fleet management - electronic file

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 36 Invalid: 1226 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
1	Yes	10	27.8%
2	No	26	72.2%
Sysmiss		1226	

### C9\_5B3: Fleet management - ETM

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 36 Invalid: 1226 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2.8%
-7	Not Applicable	0	0%
1	Yes	6	16.7%
2	No	29	80.6%
Sysmiss		1226	

### C9\_5B4: Fleet management - ERP and software

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 36 Invalid: 1226 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2.8%
-7	Not Applicable	0	0%
1	Yes	5	13.9%
2	No	30	83.3%
Sysmiss		1226	

**C9\_5B5: Fleet management - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 36 Invalid: 1226 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	5.6%
2	No	34	94.4%
Sysmiss		1226	

**C9\_5C: Fleet management - MOST used method**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 10 Invalid: 1252 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 192 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Fleet management - manual	7	70%
2	Fleet management - electronic file	0	0%
3	Fleet management - ETM	2	20%
4	Fleet management - ERP and software	1	10%
5	Fleet management - Other	0	0%
Sysmiss		1252	

**C9\_5D: Years using c9\_5b3, c9\_5b4**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 6 Invalid: 1256 Minimum: 5 Maximum: 22

Type: Discrete    Decimal: 0    Width: 14    Range: 5 - 22    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		1	16.7%
9		1	16.7%
10		2	33.3%
11		1	16.7%
22		1	16.7%
Sysmiss		1256	

**C10\_0: Complexity of health treatment**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 106    Invalid: 1156    Minimum: 1    Maximum: 4  
Type: Discrete    Decimal: 0    Width: 67    Range: 1 - 4    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7	Not applicable	0	0%
1	Level 1: Primary Care	63	59.4%
2	Level 2: Specialty Physician Care	13	12.3%
3	Level 3: Acute Care General Hospital or Ambulatory Surgical Center	26	24.5%
4	Level 4: Specialty Acute Care Hospital	4	3.8%
5	Other	0	0%
Sysmiss		1156	

**C10\_0A: No. of patients per day**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 106    Invalid: 1156    Minimum: 7    Maximum: 230000

Type: Discrete    Decimal: 0    Width: 14    Range: 7 - 230000    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
7		1	0.9%
15		3	2.8%
20		1	0.9%
30		2	1.9%
35		3	2.8%
40		4	3.8%
45		1	0.9%
50		10	9.4%
55		1	0.9%
60		3	2.8%
70		2	1.9%
80		13	12.3%
85		1	0.9%
90		2	1.9%
100		10	9.4%
120		4	3.8%
130		1	0.9%
150		8	7.5%
160		1	0.9%
180		1	0.9%
200		10	9.4%
230		1	0.9%
240		1	0.9%
250		4	3.8%
300		4	3.8%
350		2	1.9%
400		4	3.8%
450		2	1.9%
500		3	2.8%
550		1	0.9%
600		1	0.9%
230000		1	0.9%

Sysmiss		1156	
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## C10\_0B: No. of patients night, per day

Data file: fat\_ghana\_disclosure

### Overview

Valid: 106    Invalid: 1156    Minimum: 0    Maximum: 500  
 Type: Discrete    Decimal: 0    Width: 14    Range: 0 - 500    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		12	11.3%
1		2	1.9%
3		2	1.9%
5		7	6.6%
7		1	0.9%
8		1	0.9%
9		1	0.9%
10		12	11.3%
12		1	0.9%
15		10	9.4%
20		9	8.5%
25		3	2.8%
30		7	6.6%
32		1	0.9%
33		1	0.9%
35		2	1.9%
38		1	0.9%
40		5	4.7%
42		1	0.9%
50		9	8.5%
60		3	2.8%
70		4	3.8%
80		2	1.9%
100		2	1.9%

150		3	2.8%
200		2	1.9%
250		1	0.9%
500		1	0.9%
Sysmiss		1156	

## C10\_0C: No. of full-time doctors

Data file: fat\_ghana\_disclosure

### Overview

Valid: 106 Invalid: 1156 Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 100 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		3	2.8%
1		12	11.3%
2		25	23.6%
3		14	13.2%
4		7	6.6%
5		6	5.7%
6		8	7.5%
7		2	1.9%
8		6	5.7%
9		1	0.9%
10		6	5.7%
11		2	1.9%
12		2	1.9%
13		1	0.9%
15		6	5.7%
16		1	0.9%
20		2	1.9%
30		1	0.9%
100		1	0.9%
Sysmiss		1156	

**C10\_0D: No. of full-time nurses**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 106    Invalid: 1156    Minimum: 0    Maximum: 300  
 Type: Discrete    Decimal: 0    Width: 14    Range: 0 - 300    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		1	0.9%
2		1	0.9%
3		3	2.8%
4		2	1.9%
5		3	2.8%
6		2	1.9%
7		1	0.9%
8		2	1.9%
9		1	0.9%
10		7	6.6%
11		1	0.9%
12		4	3.8%
14		1	0.9%
15		7	6.6%
16		1	0.9%
18		2	1.9%
20		6	5.7%
21		3	2.8%
22		2	1.9%
23		1	0.9%
24		1	0.9%
25		3	2.8%
26		1	0.9%
28		2	1.9%
30		7	6.6%
32		1	0.9%

34		3	2.8%
35		5	4.7%
36		2	1.9%
40		1	0.9%
42		2	1.9%
43		1	0.9%
45		3	2.8%
48		1	0.9%
52		1	0.9%
55		1	0.9%
60		1	0.9%
70		2	1.9%
85		1	0.9%
90		1	0.9%
100		1	0.9%
150		3	2.8%
159		1	0.9%
166		1	0.9%
180		2	1.9%
200		2	1.9%
220		1	0.9%
230		1	0.9%
250		1	0.9%
260		1	0.9%
300		1	0.9%
Sysmiss		1156	

### C10\_1A1: Hosp. facilities - ER

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
1	Yes	79	74.5%
2	No	27	25.5%
Sysmiss		1156	

### C10\_1A2: Hosp. facilities - Postoperative care area

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	76	71.7%
2	No	30	28.3%
Sysmiss		1156	

### C10\_1A3: Hosp. facilities - ICU

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: -9 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.9%
-7	Not Applicable	0	0%
0		48	45.3%
1	Yes	57	53.8%
2	No	0	0%
Sysmiss		1156	

**C10\_1A4: Hosp. facilities - Blood Bank**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 106 Invalid: 1156 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.9%
-7	Not Applicable	0	0%
1	Yes	51	48.1%
2	No	54	50.9%
Sysmiss		1156	

**C10\_1A5: Hosp. facilities - Testing labs**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 106 Invalid: 1156 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		4	3.8%
1	Yes	102	96.2%
2	No	0	0%
Sysmiss		1156	

**C10\_1A6: Hosp. facilities - X-ray**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 106 Invalid: 1156 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		44	41.5%
1	Yes	62	58.5%
2	No	0	0%
Sysmiss		1156	

**C10\_1A7: Hosp. facilities - ultrasound machine**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 106 Invalid: 1156 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	88	83%
2	No	18	17%
Sysmiss		1156	

**C10\_1A8: Hosp. facilities - CT scan**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 106 Invalid: 1156 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		62	58.5%
1	Yes	44	41.5%
2	No	0	0%
Sysmiss		1156	

### C10\_1A9: Hosp. facilities - MRI machine

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		79	74.5%
1	Yes	27	25.5%
2	No	0	0%
Sysmiss		1156	

### C10\_1A11: Hosp. facilities - Pulse oximetry

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: -9 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	1	0.9%
-7	Not Applicable	0	0%
0		29	27.4%
1	Yes	76	71.7%
2	No	0	0%
Sysmiss		1156	

## C10\_1A12: Hosp. facilities - ECG

Data file: fat\_ghana\_disclosure

### Overview

Valid: 106 Invalid: 1156 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		73	68.9%
1	Yes	33	31.1%
2	No	0	0%
Sysmiss		1156	

## C10\_1B1: Hosp. facilities - ER no.

Data file: fat\_ghana\_disclosure

### Overview

Valid: 79 Invalid: 1183 Minimum: 1 Maximum: 150  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 150 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		3	3.8%
2		3	3.8%

3		3	3.8%
4		5	6.3%
5		10	12.7%
6		3	3.8%
7		1	1.3%
8		3	3.8%
9		2	2.5%
10		17	21.5%
11		1	1.3%
12		2	2.5%
13		1	1.3%
14		2	2.5%
15		6	7.6%
20		4	5.1%
21		1	1.3%
24		1	1.3%
30		3	3.8%
32		1	1.3%
35		1	1.3%
40		2	2.5%
50		3	3.8%
150		1	1.3%
Sysmiss		1183	

## C10\_1B2: Hosp. facilities - Postoperative care area no.

Data file: fat\_ghana\_disclosure

### Overview

Valid: 76 Invalid: 1186 Minimum: 1 Maximum: 50  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 50 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		3	3.9%
2		3	3.9%

3		1	1.3%
4		7	9.2%
5		10	13.2%
6		4	5.3%
7		5	6.6%
8		3	3.9%
10		15	19.7%
12		3	3.9%
15		5	6.6%
16		2	2.6%
17		1	1.3%
18		2	2.6%
20		3	3.9%
25		1	1.3%
30		2	2.6%
40		1	1.3%
50		5	6.6%
Sysmiss		1186	

### C10\_1B3: Hosp. facilities - ICU no.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 57 Invalid: 1205 Minimum: 2 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 100 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
2		2	3.5%
4		3	5.3%
5		11	19.3%
6		4	7%
7		3	5.3%
8		3	5.3%
9		2	3.5%

10		11	19.3%
11		3	5.3%
12		1	1.8%
15		4	7%
20		3	5.3%
25		2	3.5%
28		1	1.8%
50		2	3.5%
60		1	1.8%
100		1	1.8%
Sysmiss		1205	

### C10\_1B4: Hosp. facilities - Blood Bank no.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 51 Invalid: 1211 Minimum: -9 Maximum: 300  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 300 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2%
-7	Not Applicable	0	0%
1		1	2%
2		1	2%
3		2	3.9%
5		1	2%
6		1	2%
8		3	5.9%
10		4	7.8%
15		3	5.9%
20		3	5.9%
22		1	2%
25		1	2%
30		5	9.8%
35		2	3.9%
40		2	3.9%

45		1	2%
50		5	9.8%
60		3	5.9%
65		1	2%
70		2	3.9%
80		2	3.9%
100		3	5.9%
110		1	2%
200		1	2%
300		1	2%
Sysmiss		1211	

### C10\_1B5: Hosp. facilities - Testing labs no.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 102    Invalid: 1160    Minimum: -9    Maximum: 300  
 Type: Discrete    Decimal: 0    Width: 14    Range: -9 - 300    Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	2%
-7	Not Applicable	0	0%
4		3	2.9%
5		2	2%
6		1	1%
8		2	2%
9		3	2.9%
10		3	2.9%
12		1	1%
15		5	4.9%
18		1	1%
20		8	7.8%
25		3	2.9%
30		9	8.8%
35		5	4.9%
38		1	1%

40		3	2.9%
45		2	2%
50		8	7.8%
55		1	1%
60		10	9.8%
65		2	2%
70		2	2%
75		1	1%
80		3	2.9%
85		1	1%
90		1	1%
98		1	1%
100		7	6.9%
150		4	3.9%
200		3	2.9%
250		2	2%
300		2	2%
Sysmiss		1160	

### C10\_1B6: Hosp. facilities - X-ray no.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 62 Invalid: 1200 Minimum: 0 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 100 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		1	1.6%
1		34	54.8%
2		15	24.2%
3		4	6.5%
4		3	4.8%
5		2	3.2%
10		1	1.6%

60		1	1.6%
100		1	1.6%
Sysmiss		1200	

### C10\_1B7: Hosp. facilities - ultrasound machine no.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 88 Invalid: 1174 Minimum: 1 Maximum: 70  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 70 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		49	55.7%
2		27	30.7%
3		5	5.7%
4		1	1.1%
5		2	2.3%
7		1	1.1%
8		1	1.1%
15		1	1.1%
70		1	1.1%
Sysmiss		1174	

### C10\_1B8: Hosp.facilities - CT scan no.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 44 Invalid: 1218 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 5 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
1		35	79.5%
2		6	13.6%
3		1	2.3%
5		2	4.5%
Sysmiss		1218	

### C10\_1B9: Hosp. facilities - MRI machine no.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 27 Invalid: 1235 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		24	88.9%
2		3	11.1%
Sysmiss		1235	

### C10\_1B11: Hosp. facilities - Pulse oximetry no.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 76 Invalid: 1186 Minimum: -9 Maximum: 25  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 25 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1		6	7.9%
2		13	17.1%
3		19	25%

4		6	7.9%
5		11	14.5%
6		6	7.9%
9		1	1.3%
10		4	5.3%
12		1	1.3%
13		1	1.3%
14		1	1.3%
15		1	1.3%
16		1	1.3%
20		3	3.9%
25		1	1.3%
Sysmiss		1186	

### C10\_1B12: Hosp. facilities - ECG no.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 33 Invalid: 1229 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 3 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		27	81.8%
2		4	12.1%
3		2	6.1%
Sysmiss		1229	

### C10\_2A1: Appt. - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	102	96.2%
2	No	4	3.8%
Sysmiss		1156	

### C10\_2A2: Appt. - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C10\_2A3: Appt. - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 4 Invalid: 1258 Minimum: 0 Maximum: 0

Type: Discrete Decimal: 0 Width: 14 Range: 0 - 0 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

0		4	100%
1	Yes	0	0%
2	No	0	0%
Sysmiss		1258	

### C10\_2B1: Scheduling - Personal visit and paper

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 102 Invalid: 1160 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	101	99%
2	No	1	1%
Sysmiss		1160	

### C10\_2B2: Scheduling - Phone call, SMS, or Email

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 102 Invalid: 1160 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	74	72.5%
2	No	28	27.5%
Sysmiss		1160	

**C10\_2B3: Scheduling - Software or app (w/o automated reminders)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 102 Invalid: 1160 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1%
-7	Not Applicable	0	0%
1	Yes	4	3.9%
2	No	97	95.1%
Sysmiss		1160	

**C10\_2B4: Scheduling - Software or app (w automated reminders)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 102 Invalid: 1160 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	6	5.9%
2	No	96	94.1%
Sysmiss		1160	

**C10\_2B5: Scheduling - Other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 102 Invalid: 1160 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1%
-7	Not Applicable	0	0%
1	Yes	2	2%
2	No	99	97.1%
Sysmiss		1160	

### C10\_2C: Scheduling - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 74 Invalid: 1188 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 92 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Scheduling - Personal visit and paper	65	87.8%
2	Scheduling - Phone call, SMS, or Email	9	12.2%
3	Scheduling - Software or app (w/o automated reminders)	0	0%
4	Scheduling - Software or app (w automated reminders)	0	0%
5	Scheduling - Other	0	0%
Sysmiss		1188	

### C10\_2D: Years using c10\_2b3, c10\_2b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 9 Invalid: 1253 Minimum: 1 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 20 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		1	11.1%
5		1	11.1%
8		3	33.3%
10		3	33.3%
20		1	11.1%
Sysmiss		1253	

### C10\_3A1: Patient records - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	105	99.1%
2	No	1	0.9%
Sysmiss		1156	

### C10\_3A2: Patient records - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes

2	No
Sysmiss	

### C10\_3A3: Patient records - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 0 Maximum: 0  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 0 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		1	100%
1	Yes	0	0%
2	No	0	0%
Sysmiss		1261	

### C10\_3B1: Patient records - Handwritten process

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 105 Invalid: 1157 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1%
-7	Not Applicable	0	0%
1	Yes	94	89.5%
2	No	10	9.5%
Sysmiss		1157	

**C10\_3B2: Patient records - Digital patient records****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 105    Invalid: 1157    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	72	68.6%
2	No	33	31.4%
Sysmiss		1157	

**C10\_3B3: Patient records - EHR****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 105    Invalid: 1157    Minimum: 1    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	46	43.8%
2	No	59	56.2%
Sysmiss		1157	

**C10\_3B4: Patient records - Cloud-based HER****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 105    Invalid: 1157    Minimum: -9    Maximum: 2  
 Type: Discrete    Decimal: 0    Width: 14    Range: -9 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1%
-7	Not Applicable	0	0%
1	Yes	14	13.3%
2	No	90	85.7%
Sysmiss		1157	

### C10\_3B5: Patient records - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 105 Invalid: 1157 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	1%
2	No	104	99%
Sysmiss		1157	

### C10\_3C: Patient record - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 71 Invalid: 1191 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 89 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Patient records - Handwritten process	25	35.2%

2	Patient records - Digital patient records	31	43.7%
3	Patient records - EHR	14	19.7%
4	Patient records - Cloud-based HER	1	1.4%
5	Patient records - Other	0	0%
Sysmiss		1191	

### C10\_3D: Years using c10\_3b3, c10\_3b4

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 46 Invalid: 1216 Minimum: 1 Maximum: 40  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 40 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1		1	2.2%
3		4	8.7%
4		5	10.9%
5		9	19.6%
6		2	4.3%
7		3	6.5%
8		6	13%
9		3	6.5%
10		8	17.4%
12		1	2.2%
13		1	2.2%
15		1	2.2%
30		1	2.2%
40		1	2.2%
Sysmiss		1216	

### C10\_4A1: Pharmacy - in house

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 106 Invalid: 1156 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	94	88.7%
2	No	12	11.3%
Sysmiss		1156	

**C10\_4B1: Medication - Internal Pharmacy**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 94 Invalid: 1168 Minimum: -7 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 62 Range: -7 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7		1	1.1%
1	Med. mgt./admin. - Handwritten	50	53.2%
2	Med. mgt./admin. - Barcode/electronic id	34	36.2%
3	Med. mgt./admin. - Other	9	9.6%
Sysmiss		1168	

**C10\_4B2: Medication - Order of medication**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 94 Invalid: 1168 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 28 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7	Not applicable	0	0%
1	Manual order	61	64.9%
2	Electronic order	33	35.1%
Sysmiss		1168	

### C10\_4C1: Med. mgt./admin. - Handwritten

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.9%
-7	Not Applicable	0	0%
1	Yes	97	91.5%
2	No	8	7.5%
Sysmiss		1156	

### C10\_4C2: Med. mgt./admin. - Barcode/electronic id

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	31	29.2%
2	No	75	70.8%
Sysmiss		1156	

### C10\_4C3: Med. mgt./admin. - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	1.9%
2	No	104	98.1%
Sysmiss		1156	

### C10\_4D: Years using c10\_4c2

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 31 Invalid: 1231 Minimum: 2 Maximum: 30  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 30 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
2		1	3.2%
3		4	12.9%
5		3	9.7%
6		1	3.2%
8		9	29%
9		1	3.2%

10		8	25.8%
12		1	3.2%
15		1	3.2%
20		1	3.2%
30		1	3.2%
Sysmiss		1231	

### C10\_5A1: Sepsis treat. - antibiotics

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: -9 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 27 Range: -9 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	1	0.9%
-7	Not applicable	1	0.9%
1	It is always available	102	96.2%
2	It is NOT always available	1	0.9%
3	It is NEVER available	1	0.9%
Sysmiss		1156	

### C10\_5A2: Sepsis treat. - adv. therapies

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: -7 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 27 Range: -7 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7	Not applicable	1	0.9%
1	It is always available	85	80.2%
2	It is NOT always available	15	14.2%

3	It is NEVER available	5	4.7%
Sysmiss		1156	

### C10\_5B1: Childbirth - C-section

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: -7 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 27 Range: -7 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7	Not applicable	2	1.9%
1	It is always available	73	68.9%
2	It is NOT always available	13	12.3%
3	It is NEVER available	18	17%
Sysmiss		1156	

### C10\_5B2: Childbirth - High-risk labor

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 106 Invalid: 1156 Minimum: -7 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 27 Range: -7 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7	Not applicable	2	1.9%
1	It is always available	69	65.1%
2	It is NOT always available	25	23.6%
3	It is NEVER available	10	9.4%
Sysmiss		1156	

**C10\_5C1: Trauma - Traction (closed fracture)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 106    Invalid: 1156    Minimum: -7    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 27    Range: -7 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7	Not applicable	2	1.9%
1	It is always available	65	61.3%
2	It is NOT always available	27	25.5%
3	It is NEVER available	12	11.3%
Sysmiss		1156	

**C10\_5C2: Trauma - Open Treatment of Fracture****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 106    Invalid: 1156    Minimum: -7    Maximum: 3  
 Type: Discrete    Decimal: 0    Width: 27    Range: -7 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7	Not applicable	2	1.9%
1	It is always available	67	63.2%
2	It is NOT always available	24	22.6%
3	It is NEVER available	13	12.3%
Sysmiss		1156	

**C10\_5D1: Myocardial infarction/Strokes - defibrillation****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 106    Invalid: 1156    Minimum: -7    Maximum: 3

Type: Discrete    Decimal: 0    Width: 27    Range: -7 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7	Not applicable	1	0.9%
1	It is always available	43	40.6%
2	It is NOT always available	37	34.9%
3	It is NEVER available	25	23.6%
Sysmiss		1156	

**C10\_5D2: Myocardial infarction/-strokes - angiography**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 106    Invalid: 1156    Minimum: -9    Maximum: 3  
Type: Discrete    Decimal: 0    Width: 27    Range: -9 - 3    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	1	0.9%
-7	Not applicable	2	1.9%
1	It is always available	45	42.5%
2	It is NOT always available	32	30.2%
3	It is NEVER available	26	24.5%
Sysmiss		1156	

**C11\_01A: Material - natural leather**

Data file: fat\_ghana\_disclosure

**Overview**Valid: 3    Invalid: 1259    Minimum: 1    Maximum: 2  
Type: Discrete    Decimal: 0    Width: 14    Range: 1 - 2    Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	66.7%
2	No	1	33.3%
Sysmiss		1259	

## C11\_01B: Material - man-made leather

Data file: fat\_ghana\_disclosure

### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

## C11\_01C: Material - textile

Data file: fat\_ghana\_disclosure

### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

**C11\_01D: Material - synthetic + textile**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

**C11\_01E: Material - synthetic + textile + leather**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

**C11\_01F: Material - other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_1A1: Provide files for design

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	66.7%
2	No	1	33.3%
Sysmiss		1259	

### C11\_1A2: Most common files

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 4 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 37 Range: 4 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Graded file of all sizes ready to cut	0	0%

2	A prototype cutting file for grading	0	0%
3	Hand drawing of the design	0	0%
4	Computer drawing of the design	1	50%
5	3D file of the design	1	50%
6	Other	0	0%
Sysmiss		1260	

### C11\_1A3: Design drawing - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	66.7%
2	No	1	33.3%
Sysmiss		1259	

### C11\_1A4: Design drawing - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C11\_1A5: Design drawing - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

**C11\_1B1: Design - Manual**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	100%
2	No	0	0%
Sysmiss		1260	

**C11\_1B2: Design - Digital or semi-digital**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

### C11\_1B3: Design - CAD, 3D, or virtual

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	50%
2	No	1	50%
Sysmiss		1260	

### C11\_1B4: Design - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 2 Invalid: 1260 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

### C11\_1C: Design - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 68 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Design - Manual	1	100%
2	Design - Digital or semi-digital	0	0%
3	Design - CAD, 3D, or virtual	0	0%
4	Design - Other	0	0%
Sysmiss		1261	

### C11\_1D: Years using c11\_1b2, c11\_1b3

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
2		1	100%
Sysmiss		1261	

**C11\_02A: Leather goods - basic****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	66.7%
2	No	1	33.3%
Sysmiss		1259	

**C11\_02B: Leather goods - fashion****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

**C11\_02C: Leather goods - sports****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	66.7%
2	No	1	33.3%
Sysmiss		1259	

### C11\_02D: Leather goods - shoes

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_02E: Leather goods - other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_2A1: Cutting - in-house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

### C11\_2A2: Cutting - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C11\_2A3: Cutting - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C11\_2B1: Cutting - Manual**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

**C11\_2B2: Cutting - Machine manually-operated**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

### C11\_2B3: Cutting - Semi-automatic machine

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	66.7%
2	No	1	33.3%
Sysmiss		1259	

### C11\_2B4: Cutting - Automatic/Computerised (no Laser)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_2B5: Cutting - Automatic/Computerised (Laser)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_2B6: Cutting - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

**C11\_2C: Cutting - MOST used method****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 81 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Cutting - Manual	2	66.7%
2	Cutting - Machine manually-operated	1	33.3%
3	Cutting - Semi-automatic machine	0	0%
4	Cutting - Automatic/Computerised (no Laser)	0	0%
5	Cutting - Automatic/Computerised (Laser)	0	0%
6	Cutting - Other	0	0%
Sysmiss		1259	

**C11\_2D: Years using c11\_2b4, c11\_2b5****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 33 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
Sysmiss	

**C11\_03A: Finishes - screen print****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

### C11\_03B: Finishes - embroidery

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	66.7%
2	No	1	33.3%
Sysmiss		1259	

### C11\_03C: Finishes - seamless

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

### C11\_03D: Finishes - ink or wax

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

### C11\_03E: Finishes - waterproofing

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

**C11\_03F: Finishes - other****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

**C11\_3A1: Sewing - in-house****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

**C11\_3A2: Sewing - outsourced (another unit - same firm)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C11\_3A3: Sewing - outsourced (another firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

### C11\_3B1: Sewing - Manually

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

### C11\_3B2: Sewing - Machine (manually)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

### C11\_3B3: Sewing - Machine (semi-automated)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

**C11\_3B4: Sewing - Machine (automated)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

**C11\_3B5: Sewing - 3D Knitting****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	33.3%
2	No	2	66.7%
Sysmiss		1259	

**C11\_3B6: Sewing - Other****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_3C: Sewing - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 34 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Sewing - Manually	2	66.7%
2	Sewing - Machine (manually)	1	33.3%
3	Sewing - Machine (semi-automated)	0	0%
4	Sewing - Machine (automated)	0	0%
5	Sewing - 3D Knitting	0	0%
6	Sewing - Other	0	0%
Sysmiss		1259	

### C11\_3D: Years using c11\_3b3, c11\_3b4, c11\_cb5

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1 Invalid: 1261 Minimum: 8 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 33 Range: 8 - 8 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
8		1	100%
Sysmiss		1261	

### C11\_4A1: Assembly/Finishing - in-house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

### C11\_4A2: Assembly/Finishing - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C11\_4A3: Assembly/Finishing - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C11\_4B1: Assembly/Finishing - manual**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 1 Maximum: 1

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	3	100%
2	No	0	0%
Sysmiss		1259	

**C11\_4B2: Assembly/Finishing - conveyor/assembly (static/semi-automated)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_4B3: Assembly/Finishing - conveyor/assembly (dynamic/automated)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_4B4: Assembly/Finishing - injection machine

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_4B5: Assembly/Finishing - 3D printing

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

### C11\_4B6: Assembly/Finishing - Other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 3 Invalid: 1259 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	3	100%
Sysmiss		1259	

**C11\_4C: Assembly/Finishing - MOST used method****Data file:** fat\_ghana\_disclosure**Overview**Valid: 0 Invalid: 1262  
Type: Discrete Decimal: 0 Width: 84 Range: - Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't know
1	Assembly/Finishing - manual
2	Assembly/Finishing - conveyor/assembly (static/semi-automated)
3	Assembly/Finishing - conveyor/assembly (dynamic/automated)
4	Assembly/Finishing - injection machine
5	Assembly/Finishing - 3D printing
6	Assembly/Finishing - Other
Sysmiss	

**C11\_4D: Years using c11\_4b3, c11\_4b4, c11\_4b5****Data file:** fat\_ghana\_disclosure**Overview**Valid: 0 Invalid: 1262  
Type: Discrete Decimal: 0 Width: 33 Range: - Format: Numeric**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
Sysmiss	

**C12\_0: Accommodation classification****Data file:** fat\_ghana\_disclosure**Overview**Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 8  
Type: Discrete Decimal: 0 Width: 55 Range: 1 - 8 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
-7	Not applicable	0	0%
1	Hotel: Luxury (De Luxe or First Class)	6	8%
2	Hotel: Standard or budget (Standard or Economy Class)	43	57.3%
3	Resort: Luxury (AAA)	5	6.7%
4	Resort: Standard or budget (AA, A, or Special Interest)	11	14.7%
5	Apart-hotel/Pension house/bed & breakfast	9	12%
6	Motel	0	0%
8		1	1.3%
Sysmiss		1187	

### C12\_0A: No. of rooms available

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: 6 Maximum: 300  
 Type: Discrete Decimal: 0 Width: 14 Range: 6 - 300 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
6		1	1.3%
7		1	1.3%
9		2	2.7%
11		3	4%
12		2	2.7%
13		1	1.3%
14		1	1.3%
15		6	8%
16		2	2.7%
17		3	4%
18		2	2.7%

19		1	1.3%
20		11	14.7%
21		2	2.7%
22		1	1.3%
23		1	1.3%
24		3	4%
25		3	4%
26		1	1.3%
28		1	1.3%
30		4	5.3%
32		1	1.3%
35		1	1.3%
38		1	1.3%
40		4	5.3%
44		1	1.3%
50		2	2.7%
55		1	1.3%
62		1	1.3%
70		1	1.3%
72		1	1.3%
79		1	1.3%
84		1	1.3%
100		2	2.7%
120		2	2.7%
200		1	1.3%
230		1	1.3%
300		1	1.3%
Sysmiss		1187	

## C12\_0B: Max. capacity of guests

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 5 Maximum: 1800  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 1800 Format: Numeric

### Questions and instructions

CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
5		1	1.3%
7		1	1.3%
10		1	1.3%
11		2	2.7%
12		2	2.7%
15		1	1.3%
16		1	1.3%
18		1	1.3%
20		4	5.3%
25		1	1.3%
26		1	1.3%
28		1	1.3%
30		6	8%
34		2	2.7%
35		4	5.3%
36		1	1.3%
40		6	8%
45		3	4%
50		4	5.3%
60		3	4%
67		1	1.3%
70		2	2.7%
80		1	1.3%
83		1	1.3%
95		1	1.3%
100		7	9.3%
108		1	1.3%
130		1	1.3%
150		1	1.3%
200		1	1.3%
230		1	1.3%
250		2	2.7%
300		1	1.3%
350		1	1.3%
450		1	1.3%
500		1	1.3%

650		1	1.3%
750		1	1.3%
1000		1	1.3%
1100		1	1.3%
1800		1	1.3%
Sysmiss		1187	

## C12\_OC: N rooms - internet connection

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 200  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 200 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		11	14.7%
1		10	13.3%
2		1	1.3%
5		1	1.3%
9		2	2.7%
10		1	1.3%
11		2	2.7%
12		2	2.7%
14		1	1.3%
15		5	6.7%
17		1	1.3%
18		1	1.3%
19		1	1.3%
20		6	8%
21		2	2.7%
22		1	1.3%
24		3	4%
25		3	4%
28		1	1.3%

30		4	5.3%
32		1	1.3%
40		3	4%
44		1	1.3%
50		2	2.7%
55		1	1.3%
62		1	1.3%
70		1	1.3%
79		1	1.3%
100		2	2.7%
120		2	2.7%
200		1	1.3%
Sysmiss		1187	

## C12\_0D: N rooms - AC

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 300  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 300 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		2	2.7%
1		10	13.3%
2		1	1.3%
4		1	1.3%
5		2	2.7%
6		1	1.3%
7		1	1.3%
8		1	1.3%
9		1	1.3%
10		6	8%
11		2	2.7%
12		3	4%

13		1	1.3%
14		1	1.3%
15		4	5.3%
17		1	1.3%
20		6	8%
21		2	2.7%
22		1	1.3%
24		3	4%
25		2	2.7%
28		1	1.3%
30		4	5.3%
32		1	1.3%
38		1	1.3%
40		3	4%
44		1	1.3%
50		2	2.7%
55		1	1.3%
62		1	1.3%
70		1	1.3%
79		1	1.3%
80		1	1.3%
100		1	1.3%
120		2	2.7%
200		1	1.3%
300		1	1.3%
Sysmiss		1187	

## C12\_0E: N rooms - TV

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 200  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 200 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%

-7	Not Applicable	0	0%
0		3	4%
1		9	12%
2		1	1.3%
3		1	1.3%
4		1	1.3%
9		1	1.3%
11		4	5.3%
12		4	5.3%
13		1	1.3%
14		1	1.3%
15		4	5.3%
16		2	2.7%
17		2	2.7%
18		1	1.3%
19		1	1.3%
20		7	9.3%
21		2	2.7%
22		1	1.3%
24		3	4%
25		4	5.3%
28		1	1.3%
30		5	6.7%
32		1	1.3%
40		3	4%
44		1	1.3%
50		2	2.7%
55		1	1.3%
62		1	1.3%
79		1	1.3%
100		3	4%
120		2	2.7%
200		1	1.3%
Sysmiss		1187	

### C12\_0F: N rooms - cable

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 300  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 300 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		6	8%
1		10	13.3%
3		1	1.3%
5		1	1.3%
7		1	1.3%
9		1	1.3%
10		2	2.7%
11		3	4%
12		3	4%
14		1	1.3%
15		4	5.3%
16		2	2.7%
17		1	1.3%
18		1	1.3%
19		1	1.3%
20		5	6.7%
21		1	1.3%
22		1	1.3%
24		3	4%
25		3	4%
28		1	1.3%
30		4	5.3%
32		1	1.3%
40		3	4%
44		1	1.3%
50		1	1.3%
55		1	1.3%
62		1	1.3%
70		1	1.3%
79		1	1.3%

100		2	2.7%
120		2	2.7%
200		2	2.7%
250		1	1.3%
300		2	2.7%
Sysmiss		1187	

## C12\_0G: N rooms - minibar

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 200  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 200 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		8	10.7%
1		9	12%
3		1	1.3%
5		4	5.3%
7		1	1.3%
9		2	2.7%
10		3	4%
11		2	2.7%
12		3	4%
13		1	1.3%
14		1	1.3%
15		5	6.7%
17		1	1.3%
20		7	9.3%
21		2	2.7%
22		1	1.3%
24		3	4%
25		2	2.7%
28		1	1.3%

30		5	6.7%
40		3	4%
44		1	1.3%
50		2	2.7%
55		1	1.3%
62		1	1.3%
79		1	1.3%
80		1	1.3%
100		1	1.3%
120		1	1.3%
200		1	1.3%
Sysmiss		1187	

## C12\_0H: N rooms - coffee maker

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 79  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 79 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		38	50.7%
1		10	13.3%
5		2	2.7%
6		1	1.3%
10		1	1.3%
11		2	2.7%
12		3	4%
14		1	1.3%
15		1	1.3%
20		6	8%
21		1	1.3%
22		1	1.3%
28		1	1.3%

30		3	4%
40		1	1.3%
50		1	1.3%
62		1	1.3%
79		1	1.3%
Sysmiss		1187	

## C12\_01: N rooms - telephone

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 200  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 200 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		22	29.3%
1		10	13.3%
3		3	4%
5		1	1.3%
9		2	2.7%
10		1	1.3%
11		2	2.7%
12		2	2.7%
14		1	1.3%
15		4	5.3%
17		1	1.3%
18		1	1.3%
20		5	6.7%
21		1	1.3%
22		1	1.3%
24		1	1.3%
25		1	1.3%
28		1	1.3%
30		4	5.3%

32		1	1.3%
40		3	4%
44		1	1.3%
50		1	1.3%
62		1	1.3%
79		1	1.3%
100		1	1.3%
120		1	1.3%
200		1	1.3%
Sysmiss		1187	

### C12\_0J: N rooms - hairdryer

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 79

Type: Discrete Decimal: 0 Width: 14 Range: 0 - 79 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		51	68%
1		11	14.7%
3		2	2.7%
5		2	2.7%
7		1	1.3%
10		1	1.3%
11		1	1.3%
12		1	1.3%
20		1	1.3%
30		2	2.7%
40		1	1.3%
79		1	1.3%
Sysmiss		1187	

**C12\_0K: N of years with internet connections****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 22  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 22 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	7	9.3%
-7	Not Applicable	0	0%
1		2	2.7%
3		2	2.7%
4		1	1.3%
5		1	1.3%
6		1	1.3%
7		3	4%
8		7	9.3%
9		10	13.3%
10		12	16%
12		9	12%
13		2	2.7%
14		1	1.3%
15		10	13.3%
16		1	1.3%
18		2	2.7%
20		3	4%
22		1	1.3%
Sysmiss		1187	

**C12\_1A1: Reservations - in house****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	69	92%
2	No	6	8%
Sysmiss		1187	

**C12\_1A2: Reservations - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C12\_1A3: Reservations - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262

Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No

Sysmiss

**C12\_1B1: Reservations - handwritten**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	63	84%
2	No	12	16%
Sysmiss		1187	

**C12\_1B2: Reservations - digital (std software)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	61	81.3%
2	No	14	18.7%
Sysmiss		1187	

**C12\_1B3: Reservations - dedicated**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	44	58.7%
2	No	31	41.3%
Sysmiss		1187	

**C12\_1B4: Reservations - PMS**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	2.7%
-7	Not Applicable	0	0%
1	Yes	17	22.7%
2	No	56	74.7%
Sysmiss		1187	

**C12\_1B5: Reservations - cloud-based**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	5.3%
-7	Not Applicable	0	0%
1	Yes	10	13.3%
2	No	61	81.3%
Sysmiss		1187	

## C12\_1B6: Reservations - other

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	75	100%
Sysmiss		1187	

## C12\_1C: Reservations - MOST used method

Data file: fat\_ghana\_disclosure

### Overview

Valid: 60 Invalid: 1202 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 75 Range: 1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Reservations - handwritten	5	8.3%
2	Reservations - digital (std software)	44	73.3%
3	Reservations - dedicated	11	18.3%
4	Reservations - PMS	0	0%

5	Reservations - cloud-based	0	0%
6	Reservations - other	0	0%
Sysmiss		1202	

## C12\_1D: Years using c12\_1b3, c12\_1b4, c12\_1b5

Data file: fat\_ghana\_disclosure

### Overview

Valid: 48 Invalid: 1214 Minimum: 0 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 20 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		1	2.1%
3		2	4.2%
4		1	2.1%
5		4	8.3%
6		2	4.2%
7		1	2.1%
8		9	18.8%
9		9	18.8%
10		5	10.4%
12		3	6.3%
13		2	4.2%
14		1	2.1%
15		6	12.5%
17		1	2.1%
20		1	2.1%
Sysmiss		1214	

## C12\_1E1: Online travel agency for booking

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	32	42.7%
2	No	43	57.3%
Sysmiss		1187	

### C12\_1E2: Share of booking - online agency

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 32 Invalid: 1230 Minimum: -9 Maximum: 60  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 60 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	3.1%
-7	Not Applicable	0	0%
5		1	3.1%
8		1	3.1%
10		10	31.3%
14		1	3.1%
15		3	9.4%
20		3	9.4%
30		8	25%
40		1	3.1%
60		3	9.4%
Sysmiss		1230	

### C12\_1E3: Online travel agency - MOST used

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 34 Range: - Format: character

**C12\_1E4\_1: Online agency - Booking.com**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		38	50.7%
1	Yes	37	49.3%
2	No	0	0%
Sysmiss		1187	

**C12\_1E4\_2: Online agency - Trip Advisor**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		44	58.7%
1	Yes	31	41.3%
2	No	0	0%
Sysmiss		1187	

**C12\_1E4\_3: Online agency - Expedia**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		68	90.7%
1	Yes	7	9.3%
2	No	0	0%
Sysmiss		1187	

**C12\_1E4\_4: Online agency - AirBnB**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		74	98.7%
1	Yes	1	1.3%
2	No	0	0%
Sysmiss		1187	

**C12\_1E4\_5: Online agency - Others**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		69	92%
1	Yes	6	8%
2	No	0	0%
Sysmiss		1187	

### C12\_1E5: Other online agencies

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0

Type: Discrete Decimal: 0 Width: 23 Range: - Format: character

### C12\_2A1: Accom Pricing - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	74	98.7%
2	No	1	1.3%
Sysmiss		1187	

### C12\_2A2: Accom Pricing - outsourced (another unit - same firm)

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1	100%
2	No	0	0%
Sysmiss		1261	

**C12\_2A3: Accom Pricing - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 0 Invalid: 1262  
 Type: Discrete Decimal: 0 Width: 14 Range: - Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
-9	Don't Know
-7	Not Applicable
1	Yes
2	No
Sysmiss	

**C12\_2B1: Accom Pricing - manual cost**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	69	92%
2	No	6	8%
Sysmiss		1187	

## C12\_2B2: Accom Pricing - automated markup

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	45	60%
2	No	29	38.7%
Sysmiss		1187	

## C12\_2B3: Accom Pricing - automated promotional

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	33	44%
2	No	41	54.7%
Sysmiss		1187	

**C12\_2B4: Accom Pricing - dynamic pricing**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	17	22.7%
2	No	57	76%
Sysmiss		1187	

**C12\_2B5: Accom Pricing - personalised pricing**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	9	12%
2	No	65	86.7%
Sysmiss		1187	

**C12\_2B6: Accom Pricing - other**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	3	4%
2	No	71	94.7%
Sysmiss		1187	

### C12\_2C: Accom Pricing - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 49 Invalid: 1213 Minimum: 1 Maximum: 5  
 Type: Discrete Decimal: 0 Width: 80 Range: 1 - 5 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Accom Pricing - manual cost	15	30.6%
2	Accom Pricing - automated markup	19	38.8%
3	Accom Pricing - automated promotional	13	26.5%
4	Accom Pricing - dynamic pricing	1	2%
5	Accom Pricing - personalised pricing	1	2%
6	Accom Pricing - other	0	0%
Sysmiss		1213	

### C12\_2D: Years using c12\_2b4, c12\_2b5

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 19 Invalid: 1243 Minimum: 7 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 14 Range: 7 - 20 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
7		1	5.3%
8		5	26.3%
9		7	36.8%
10		1	5.3%
14		1	5.3%
15		1	5.3%
18		1	5.3%
20		2	10.5%
Sysmiss		1243	

## C12\_2DA: Regulation limiting price accom

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	2.7%
-7	Not Applicable	0	0%
1	Yes	16	21.3%
2	No	57	76%
Sysmiss		1187	

## C12\_2DB: Agency regulating price accom

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 25 Range: - Format: character

## C12\_3A1: Housekeeping - in house

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	72	96%
2	No	3	4%
Sysmiss		1187	

**C12\_3A2: Housekeeping - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 3 Invalid: 1259 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	33.3%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	66.7%
Sysmiss		1259	

**C12\_3A3: Housekeeping - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 2 Invalid: 1260 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	2	100%
Sysmiss		1260	

## C12\_3B1: Housekeeping - handwritten

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	68	90.7%
2	No	7	9.3%
Sysmiss		1187	

## C12\_3B2: Housekeeping - digital (std. software)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	52	69.3%
2	No	23	30.7%
Sysmiss		1187	

**C12\_3B3: Housekeeping - dedicated**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	31	41.3%
2	No	44	58.7%
Sysmiss		1187	

**C12\_3B4: Housekeeping - PMS**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	12	16%
2	No	63	84%
Sysmiss		1187	

**C12\_3B5: Housekeeping - cloud-based**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	9	12%
2	No	66	88%
Sysmiss		1187	

### C12\_3B6: Housekeeping - other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	4	5.3%
2	No	71	94.7%
Sysmiss		1187	

### C12\_3D: Years using c12\_3b3, c12\_3b4, c12\_3b5

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 34 Invalid: 1228 Minimum: 2 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 20 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%

2		1	2.9%
3		2	5.9%
5		1	2.9%
7		2	5.9%
8		11	32.4%
9		8	23.5%
12		1	2.9%
13		2	5.9%
14		1	2.9%
15		2	5.9%
16		1	2.9%
17		1	2.9%
20		1	2.9%
Sysmiss		1228	

### C12\_3E1: Use vacuum cleaner

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	51	68%
2	No	24	32%
Sysmiss		1187	

### C12\_3E2: N of vacuum cleaners used

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 51 Invalid: 1211 Minimum: -9 Maximum: 55  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 55 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	2%
-7	Not Applicable	0	0%
0		1	2%
1		5	9.8%
2		6	11.8%
3		7	13.7%
4		2	3.9%
5		8	15.7%
6		1	2%
7		1	2%
8		5	9.8%
9		4	7.8%
10		5	9.8%
15		1	2%
25		1	2%
40		1	2%
55		2	3.9%
Sysmiss		1211	

### C12\_4A1: Laundry - in house

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	66	88%
2	No	9	12%
Sysmiss		1187	

**C12\_4A2: Laundry - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 9 Invalid: 1253 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	11.1%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	8	88.9%
Sysmiss		1253	

**C12\_4A3: Laundry - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 8 Invalid: 1254 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	2	25%
2	No	6	75%
Sysmiss		1254	

**C12\_4B1: Laundry - manual**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	44	58.7%
2	No	30	40%
Sysmiss		1187	

### C12\_4B2: Laundry - domestic

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	59	78.7%
2	No	15	20%
Sysmiss		1187	

### C12\_4B3: Laundry - industrial (w automatic sheet fold)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%

1	Yes	30	40%
2	No	44	58.7%
Sysmiss		1187	

### C12\_4B4: Laundry - industrial (w/o automatic sheet fold)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	18	24%
2	No	57	76%
Sysmiss		1187	

### C12\_4B5: Laundry - other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	1	1.3%
2	No	73	97.3%
Sysmiss		1187	

**C12\_4C: Laundry - MOST used method****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 50 Invalid: 1212 Minimum: 1 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 63 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	Laundry - manual	6	12%
2	Laundry - domestic	26	52%
3	Laundry - industrial (w automatic sheet fold)	16	32%
4	Laundry - industrial (w/o automatic sheet fold)	2	4%
5	Laundry - other	0	0%
Sysmiss		1212	

**C12\_4D: Years using c12\_4c****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 6 Invalid: 1256 Minimum: 0 Maximum: 11  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 11 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		3	50%
5		2	33.3%
11		1	16.7%
Sysmiss		1256	

**C12\_5A1: F and B - in house****Data file:** fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	63	84%
2	No	12	16%
Sysmiss		1187	

**C12\_5A2: F and B - outsourced (another unit - same firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

**C12\_5A3: F and B - outsourced (another firm)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1 Invalid: 1261 Minimum: 2 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 2 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	0	0%
2	No	1	100%
Sysmiss		1261	

## C12\_5B1: PoS - handwritten

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	65	86.7%
2	No	10	13.3%
Sysmiss		1187	

## C12\_5B2: PoS - digital records

Data file: fat\_ghana\_disclosure

### Overview

Valid: 75 Invalid: 1187 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	58	77.3%
2	No	17	22.7%
Sysmiss		1187	

**C12\_5B3: PoS - specialised software**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	2.7%
-7	Not Applicable	0	0%
1	Yes	31	41.3%
2	No	42	56%
Sysmiss		1187	

**C12\_5B4: PoS - PMS**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	8	10.7%
2	No	66	88%
Sysmiss		1187	

**C12\_5B5: PoS - cloud-based**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	10	13.3%
2	No	64	85.3%
Sysmiss		1187	

### C12\_5B6: PoS - other

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 75 Invalid: 1187 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
1	Yes	2	2.7%
2	No	72	96%
Sysmiss		1187	

### C12\_5C: PoS - MOST used method

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 58 Invalid: 1204 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 72 Range: 1 - 3 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	PoS - handwritten	4	6.9%

2	PoS - digital records	51	87.9%
3	PoS - specialised software	3	5.2%
4	PoS - PMS	0	0%
5	PoS - cloud-based	0	0%
6	PoS - other	0	0%
Sysmiss		1204	

## C12\_6A1: N. reviews - Booking.com

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2633  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2633 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	19	1.5%
-7	Not Applicable	651	51.6%
0		249	19.7%
5		2	0.2%
6		1	0.1%
7		326	25.8%
9		4	0.3%
10		1	0.1%
11		1	0.1%
12		2	0.2%
44		1	0.1%
250		2	0.2%
287		1	0.1%
412		1	0.1%
2633		1	0.1%

## C12\_6A2: Rate - Booking.com

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 90  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 90 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	21	1.7%
-7	Not Applicable	653	51.7%
0		249	19.7%
4		3	0.2%
5		1	0.1%
7		324	25.7%
8		2	0.2%
9		3	0.2%
40		3	0.2%
65		1	0.1%
80		1	0.1%
90		1	0.1%

### C12\_6B1: N. reviews - Trip Advisor

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 287  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 287 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	18	1.4%
-7	Not Applicable	653	51.7%
0		249	19.7%
2		1	0.1%
3		1	0.1%
5		3	0.2%
7		322	25.5%
9		5	0.4%
10		1	0.1%
18		1	0.1%
21		1	0.1%

33		1	0.1%
44		1	0.1%
79		1	0.1%
100		1	0.1%
125		1	0.1%
220		1	0.1%
287		1	0.1%

## C12\_6B2: Rate - Trip Advisor

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 80  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 80 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	19	1.5%
-7	Not Applicable	651	51.6%
0		249	19.7%
1		1	0.1%
3		5	0.4%
4		2	0.2%
7		324	25.7%
8		1	0.1%
9		5	0.4%
20		1	0.1%
50		1	0.1%
60		1	0.1%
65		1	0.1%
80		1	0.1%

## C12\_6C1: N. reviews - Expedia

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 453  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 453 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	17	1.3%
-7	Not Applicable	665	52.7%
0		250	19.8%
2		1	0.1%
5		1	0.1%
7		323	25.6%
9		4	0.3%
453		1	0.1%

### C12\_6C2: Rate - Expedia

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 80  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 80 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	17	1.3%
-7	Not Applicable	659	52.2%
0		250	19.8%
3		2	0.2%
4		1	0.1%
7		327	25.9%
9		4	0.3%
50		1	0.1%
80		1	0.1%

### C12\_6D1: N. reviews - AirBnB

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 9  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 9 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	16	1.3%
-7	Not Applicable	667	52.9%
-6		1	0.1%
0		251	19.9%
7		323	25.6%
9		4	0.3%

### C12\_6D2: Rate - AirBnB

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 9  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 9 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	16	1.3%
-7	Not Applicable	663	52.5%
0		250	19.8%
4		2	0.2%
7		326	25.8%
9		5	0.4%

### D1A: Purchase/Lease - Equip. or Mach.

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 4  
 Type: Discrete Decimal: 0 Width: 31 Range: -9 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
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-9	Don't know	3	0.2%
1	Yes, new	399	31.6%
2	Yes, second hand	58	4.6%
3	Yes, both (new and second hand)	95	7.5%
4	No	707	56%

## D1B: Purchase or Lease - Software License

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	7	0.6%
-7	Not Applicable	0	0%
1	Yes	206	16.3%
2	No	1049	83.1%

## D1C: Dev., Custom. or Modif. of Machine or Software

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	0.1%
-7	Not Applicable	0	0%
1	Yes	150	11.9%
2	No	1111	88%

**D2A: Most used info. source for decision making**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 8  
 Type: Discrete Decimal: 0 Width: 44 Range: -9 - 8 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't know	11	0.9%
1	Oth. firms in the sector	269	21.3%
2	Oth. firms in the locality, but diff. sector	0	0%
3	Suppliers or buyers	0	0%
4	Industrial or trade assoc.	271	21.5%
5	Public tech. extension services	57	4.5%
6	Private consultants	223	17.7%
7	Fairs, events, and missions	230	18.2%
8	Other	201	15.9%

**D2D: Business Relationship - Multinational firm**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	0.3%
-7	Not Applicable	0	0%
1	Yes	511	40.5%
2	No	747	59.2%

**D2E: CEO Experience - Large firm in same sector/multinational firm**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	7	0.6%
-7	Not Applicable	0	0%
1	Yes	358	28.4%
2	No	897	71.1%

**D3A: Loan - mach., equip or licensing**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	11	0.9%
-7	Not Applicable	0	0%
1	Yes	139	11%
2	No	1112	88.1%

**D3C: No. - needed to borrow but not get it**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 20  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 20 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	5	0.4%

-7	Not Applicable	0	0%
0		880	69.7%
1		58	4.6%
2		117	9.3%
3		92	7.3%
4		16	1.3%
5		25	2%
6		19	1.5%
7		3	0.2%
8		19	1.5%
9		21	1.7%
10		4	0.3%
11		1	0.1%
12		1	0.1%
20		1	0.1%

#### D4A: Formal Incentives - Money, gift, or recognition

Data file: fat\_ghana\_disclosure

##### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2

Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

##### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1045	82.8%
2	No	217	17.2%

#### D4B: No. KPIs monitored

Data file: fat\_ghana\_disclosure

##### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 4

Type: Discrete Decimal: 0 Width: 37 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	0	0%
1	1-2 key performance indicators	494	39.1%
2	3-9 key performance indicators	402	31.9%
3	10 or more key performance indicators	228	18.1%
4	No key performance indicators	138	10.9%

### D6A: Did export?

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 30 Range: -9 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't know	2	0.2%
1	Exported directly	76	6%
2	Exported through trading firms	1184	93.8%
3	Did not export	0	0%

### D6B: Direct Exports (% of sales)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 76 Invalid: 1186 Minimum: -9 Maximum: 98  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 98 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	1	1.3%
-7	Not Applicable	0	0%
0		2	2.6%

5		2	2.6%
8		1	1.3%
10		2	2.6%
15		2	2.6%
20		1	1.3%
21		1	1.3%
25		4	5.3%
30		7	9.2%
35		2	2.6%
40		9	11.8%
42		1	1.3%
44		1	1.3%
45		2	2.6%
50		3	3.9%
60		13	17.1%
70		5	6.6%
80		7	9.2%
90		7	9.2%
93		1	1.3%
95		1	1.3%
98		1	1.3%
Sysmiss		1186	

## D6C: Imported inputs, machines or equipment?

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	4	0.3%
-7	Not Applicable	0	0%
1	Yes	253	20%
2	No	1005	79.6%

**D7A: Awareness - govt. support program/subsidy for tech. adoption**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	44	3.5%
-7	Not Applicable	0	0%
1	Yes	266	21.1%
2	No	952	75.4%

**D7B: Benefitted from any govt. program/subsidy**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 266 Invalid: 996 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	60	22.6%
2	No	206	77.4%
Sysmiss		996	

**D7C: Which kind of govt program/subsidy benefitted from**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: - Format: character

**D7C\_1: Govt support - information****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 60 Invalid: 1202 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		25	41.7%
1	Yes	35	58.3%
2	No	0	0%
Sysmiss		1202	

**D7C\_2: Govt support - tech assistance****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 60 Invalid: 1202 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		31	51.7%
1	Yes	29	48.3%
2	No	0	0%
Sysmiss		1202	

**D7C\_3: Govt support - tax incentive****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 60 Invalid: 1202 Minimum: 0 Maximum: 1

Type: Discrete    Decimal: 0    Width: 14    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		44	73.3%
1	Yes	16	26.7%
2	No	0	0%
Sysmiss		1202	

**D7C\_4: Govt support - grant**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 60    Invalid: 1202    Minimum: 0    Maximum: 1

Type: Discrete    Decimal: 0    Width: 14    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		40	66.7%
1	Yes	20	33.3%
2	No	0	0%
Sysmiss		1202	

**D7C\_5: Govt support - loan**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 60    Invalid: 1202    Minimum: 0    Maximum: 1

Type: Discrete    Decimal: 0    Width: 14    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		47	78.3%
1	Yes	13	21.7%
2	No	0	0%
Sysmiss		1202	

## D7C\_6: Govt support - other

Data file: fat\_ghana\_disclosure

### Overview

Valid: 60 Invalid: 1202 Minimum: 0 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 1 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		58	96.7%
1	Yes	2	3.3%
2	No	0	0%
Sysmiss		1202	

## E1: Total no. workers by end of (ref\_year1)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: 5 Maximum: 5000  
 Type: Discrete Decimal: 0 Width: 14 Range: 5 - 5000 Format: Numeric

## E1A: No. of permanent workers, full-time (ref\_year1)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: 4 Maximum: 5000  
 Type: Discrete Decimal: 0 Width: 14 Range: 4 - 5000 Format: Numeric

**E1F: Total share of female workers (ref\_year1)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 100 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	2	0.2%
-7	Not Applicable	0	0%
0		212	16.8%
1		9	0.7%
2		13	1%
3		13	1%
4		8	0.6%
5		19	1.5%
6		7	0.6%
7		4	0.3%
8		12	1%
9		7	0.6%
10		49	3.9%
11		4	0.3%
12		4	0.3%
13		10	0.8%
14		7	0.6%
15		12	1%
16		5	0.4%
17		6	0.5%
18		3	0.2%
20		74	5.9%
21		3	0.2%
22		3	0.2%
23		7	0.6%
24		2	0.2%
25		65	5.2%
27		4	0.3%

28		3	0.2%
29		3	0.2%
30		69	5.5%
31		1	0.1%
32		1	0.1%
33		16	1.3%
34		4	0.3%
35		9	0.7%
36		1	0.1%
37		1	0.1%
38		4	0.3%
39		1	0.1%
40		129	10.2%
41		1	0.1%
42		6	0.5%
43		4	0.3%
44		3	0.2%
45		17	1.3%
46		2	0.2%
47		5	0.4%
48		3	0.2%
50		51	4%
51		1	0.1%
52		2	0.2%
53		7	0.6%
54		1	0.1%
55		4	0.3%
56		2	0.2%
57		4	0.3%
58		5	0.4%
60		141	11.2%
61		1	0.1%
62		2	0.2%
63		2	0.2%
64		1	0.1%
65		29	2.3%
66		5	0.4%
67		6	0.5%
68		4	0.3%

69		1	0.1%
70		35	2.8%
71		5	0.4%
72		4	0.3%
73		1	0.1%
75		18	1.4%
80		34	2.7%
81		1	0.1%
82		1	0.1%
83		3	0.2%
84		1	0.1%
89		1	0.1%
90		7	0.6%
94		1	0.1%
95		2	0.2%
98		1	0.1%
100		31	2.5%

## E2: Total no. workers by end of (ref\_year2)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 5000  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 5000 Format: Numeric

## E3A: No. of CEOs and Managers (ref\_year1)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: 0 Maximum: 2500  
 Type: Discrete Decimal: 0 Width: 14 Range: 0 - 2500 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
0		43	3.4%
1		405	32.1%

2		262	20.8%
3		113	9%
4		51	4%
5		130	10.3%
6		41	3.2%
7		11	0.9%
8		20	1.6%
9		5	0.4%
10		58	4.6%
11		2	0.2%
12		10	0.8%
13		1	0.1%
14		1	0.1%
15		21	1.7%
16		1	0.1%
17		1	0.1%
18		3	0.2%
20		22	1.7%
21		2	0.2%
22		2	0.2%
23		1	0.1%
24		1	0.1%
25		2	0.2%
26		1	0.1%
30		17	1.3%
31		1	0.1%
32		1	0.1%
33		1	0.1%
35		2	0.2%
40		3	0.2%
45		1	0.1%
50		10	0.8%
55		1	0.1%
60		2	0.2%
75		1	0.1%
80		1	0.1%
81		1	0.1%
90		1	0.1%
95		1	0.1%

100		3	0.2%
120		1	0.1%
180		1	0.1%
200		1	0.1%
215		1	0.1%
2500		1	0.1%

### E3D: No. of Clerical support workers (ref\_year1)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 1106  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 1106 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	10	0.8%
-7	Not Applicable	0	0%
0		298	23.6%
1		172	13.6%
2		177	14%
3		101	8%
4		57	4.5%
5		114	9%
6		49	3.9%
7		26	2.1%
8		33	2.6%
9		10	0.8%
10		64	5.1%
11		7	0.6%
12		12	1%
13		7	0.6%
14		6	0.5%
15		21	1.7%
16		4	0.3%
17		3	0.2%
18		2	0.2%

19		2	0.2%
20		16	1.3%
21		1	0.1%
22		1	0.1%
23		1	0.1%
25		8	0.6%
30		10	0.8%
31		1	0.1%
33		1	0.1%
35		4	0.3%
39		1	0.1%
40		10	0.8%
47		1	0.1%
50		8	0.6%
54		1	0.1%
60		6	0.5%
70		3	0.2%
75		1	0.1%
80		2	0.2%
94		1	0.1%
95		1	0.1%
100		1	0.1%
105		1	0.1%
180		2	0.2%
200		1	0.1%
314		1	0.1%
400		1	0.1%
550		1	0.1%
1106		1	0.1%

### E3E: No. of Production workers (ref\_year1)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2000  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2000 Format: Numeric

#### Questions and instructions

Value	Category	Cases	
-9	Don't Know	10	0.8%
-7	Not Applicable	0	0%
0		545	43.2%
1		4	0.3%
2		33	2.6%
3		53	4.2%
4		49	3.9%
5		84	6.7%
6		66	5.2%
7		33	2.6%
8		35	2.8%
9		22	1.7%
10		68	5.4%
11		11	0.9%
12		18	1.4%
13		12	1%
14		11	0.9%
15		27	2.1%
16		7	0.6%
17		5	0.4%
18		5	0.4%
19		3	0.2%
20		27	2.1%
21		3	0.2%
22		2	0.2%
24		2	0.2%
25		8	0.6%
26		2	0.2%
28		2	0.2%
29		1	0.1%
30		15	1.2%
31		1	0.1%
32		2	0.2%
35		3	0.2%
36		1	0.1%
37		1	0.1%
38		1	0.1%
40		12	1%

41		1	0.1%
42		1	0.1%
43		1	0.1%
45		1	0.1%
47		2	0.2%
49		1	0.1%
50		8	0.6%
51		1	0.1%
55		2	0.2%
60		8	0.6%
70		2	0.2%
71		1	0.1%
72		1	0.1%
75		1	0.1%
80		3	0.2%
90		1	0.1%
93		1	0.1%
95		1	0.1%
100		7	0.6%
110		1	0.1%
120		1	0.1%
130		1	0.1%
141		1	0.1%
146		1	0.1%
150		2	0.2%
154		1	0.1%
170		2	0.2%
173		1	0.1%
180		3	0.2%
189		1	0.1%
190		1	0.1%
200		5	0.4%
210		1	0.1%
240		1	0.1%
250		1	0.1%
295		1	0.1%
300		3	0.2%
396		1	0.1%
400		1	0.1%

425		1	0.1%
600		1	0.1%
1900		1	0.1%
2000		1	0.1%

### E3F: No. of Service or sales workers (ref\_year1)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 340  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 340 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category	Cases	
-9	Don't Know	9	0.7%
-7	Not Applicable	0	0%
0		260	20.6%
1		168	13.3%
2		148	11.7%
3		78	6.2%
4		70	5.5%
5		95	7.5%
6		40	3.2%
7		16	1.3%
8		29	2.3%
9		21	1.7%
10		69	5.5%
11		10	0.8%
12		12	1%
13		10	0.8%
14		11	0.9%
15		13	1%
16		4	0.3%
17		6	0.5%
18		5	0.4%
19		3	0.2%
20		25	2%

21		5	0.4%
22		5	0.4%
23		6	0.5%
24		5	0.4%
25		6	0.5%
26		3	0.2%
27		2	0.2%
28		1	0.1%
29		2	0.2%
30		9	0.7%
31		2	0.2%
33		2	0.2%
34		3	0.2%
35		5	0.4%
36		4	0.3%
40		4	0.3%
41		5	0.4%
42		1	0.1%
44		2	0.2%
45		1	0.1%
47		2	0.2%
48		1	0.1%
50		8	0.6%
53		2	0.2%
55		1	0.1%
56		1	0.1%
57		1	0.1%
58		1	0.1%
59		1	0.1%
60		2	0.2%
61		1	0.1%
62		1	0.1%
63		2	0.2%
65		1	0.1%
66		2	0.2%
70		1	0.1%
72		2	0.2%
73		2	0.2%
75		3	0.2%

77		1	0.1%
78		1	0.1%
80		4	0.3%
86		1	0.1%
87		1	0.1%
90		3	0.2%
91		1	0.1%
95		1	0.1%
97		1	0.1%
98		1	0.1%
99		1	0.1%
100		4	0.3%
104		2	0.2%
110		1	0.1%
125		2	0.2%
137		1	0.1%
139		1	0.1%
140		1	0.1%
150		1	0.1%
175		2	0.2%
189		1	0.1%
200		5	0.4%
205		1	0.1%
210		2	0.2%
212		1	0.1%
220		1	0.1%
228		1	0.1%
240		1	0.1%
250		1	0.1%
262		1	0.1%
280		1	0.1%
285		1	0.1%
295		1	0.1%
297		1	0.1%
325		1	0.1%
340		1	0.1%

**E3H: No. of workers dedicated to R&D activities?**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2000  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2000 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	3	0.2%
-7	Not Applicable	0	0%
0		691	54.8%
1		104	8.2%
2		153	12.1%
3		50	4%
4		16	1.3%
5		111	8.8%
6		8	0.6%
7		4	0.3%
8		15	1.2%
9		20	1.6%
10		37	2.9%
11		2	0.2%
12		2	0.2%
15		4	0.3%
17		1	0.1%
20		18	1.4%
25		4	0.3%
30		10	0.8%
40		1	0.1%
50		4	0.3%
82		1	0.1%
100		1	0.1%
300		1	0.1%
2000		1	0.1%

**E4A: No. of CEOs and Managers (ref\_year2)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2500  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2500 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	7	0.6%
-7	Not Applicable	0	0%
0		44	3.5%
1		399	31.6%
2		250	19.8%
3		109	8.6%
4		59	4.7%
5		133	10.5%
6		37	2.9%
7		14	1.1%
8		22	1.7%
9		5	0.4%
10		57	4.5%
11		2	0.2%
12		11	0.9%
13		2	0.2%
14		1	0.1%
15		19	1.5%
16		2	0.2%
17		2	0.2%
18		5	0.4%
20		22	1.7%
22		1	0.1%
23		1	0.1%
25		4	0.3%
26		1	0.1%
29		1	0.1%
30		15	1.2%
31		2	0.2%
33		1	0.1%
35		2	0.2%
38		2	0.2%

40		3	0.2%
45		1	0.1%
50		9	0.7%
55		1	0.1%
60		1	0.1%
68		1	0.1%
70		1	0.1%
75		2	0.2%
81		1	0.1%
92		1	0.1%
95		1	0.1%
100		3	0.2%
180		1	0.1%
198		1	0.1%
200		2	0.2%
2500		1	0.1%

#### E4D: No. of Clerical support workers (ref\_year2)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 1106  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 1106 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	14	1.1%
-7	Not Applicable	0	0%
0		303	24%
1		167	13.2%
2		171	13.5%
3		102	8.1%
4		55	4.4%
5		110	8.7%
6		48	3.8%
7		23	1.8%
8		41	3.2%

9		6	0.5%
10		66	5.2%
11		6	0.5%
12		17	1.3%
13		4	0.3%
14		5	0.4%
15		22	1.7%
16		6	0.5%
17		4	0.3%
18		3	0.2%
19		1	0.1%
20		16	1.3%
21		1	0.1%
22		3	0.2%
23		1	0.1%
25		8	0.6%
26		1	0.1%
30		7	0.6%
31		1	0.1%
33		1	0.1%
35		5	0.4%
39		1	0.1%
40		8	0.6%
42		1	0.1%
50		7	0.6%
54		1	0.1%
60		4	0.3%
70		4	0.3%
75		2	0.2%
77		1	0.1%
80		1	0.1%
90		2	0.2%
94		1	0.1%
95		1	0.1%
100		1	0.1%
105		1	0.1%
130		1	0.1%
200		2	0.2%
300		1	0.1%

314		1	0.1%
400		1	0.1%
550		1	0.1%
1106		1	0.1%

#### E4E: No. of Production workers (ref\_year2)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 2000  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 2000 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	10	0.8%
-7	Not Applicable	0	0%
0		546	43.3%
1		6	0.5%
2		24	1.9%
3		49	3.9%
4		45	3.6%
5		82	6.5%
6		61	4.8%
7		35	2.8%
8		44	3.5%
9		24	1.9%
10		66	5.2%
11		8	0.6%
12		22	1.7%
13		11	0.9%
14		12	1%
15		31	2.5%
16		8	0.6%
17		6	0.5%
18		6	0.5%
19		2	0.2%
20		23	1.8%

21		5	0.4%
22		3	0.2%
23		2	0.2%
24		3	0.2%
25		8	0.6%
26		3	0.2%
27		1	0.1%
28		2	0.2%
29		1	0.1%
30		16	1.3%
31		2	0.2%
32		2	0.2%
35		2	0.2%
37		1	0.1%
38		1	0.1%
40		12	1%
41		1	0.1%
42		1	0.1%
43		1	0.1%
49		1	0.1%
50		6	0.5%
51		1	0.1%
55		2	0.2%
60		4	0.3%
63		1	0.1%
66		1	0.1%
70		2	0.2%
71		1	0.1%
75		2	0.2%
76		1	0.1%
80		4	0.3%
90		1	0.1%
93		1	0.1%
95		1	0.1%
100		6	0.5%
110		2	0.2%
120		2	0.2%
130		1	0.1%
141		1	0.1%

146		1	0.1%
150		1	0.1%
154		1	0.1%
157		1	0.1%
170		3	0.2%
173		1	0.1%
180		3	0.2%
185		1	0.1%
190		1	0.1%
200		6	0.5%
210		1	0.1%
240		2	0.2%
250		2	0.2%
286		1	0.1%
300		2	0.2%
396		1	0.1%
400		1	0.1%
425		1	0.1%
600		1	0.1%
1900		1	0.1%
2000		1	0.1%

#### E4F: No. of Service or sales workers (ref\_year2)

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 340  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 340 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	11	0.9%
-7	Not Applicable	0	0%
0		261	20.7%
1		169	13.4%
2		156	12.4%
3		81	6.4%

4		68	5.4%
5		88	7%
6		31	2.5%
7		25	2%
8		31	2.5%
9		14	1.1%
10		64	5.1%
11		10	0.8%
12		14	1.1%
13		9	0.7%
14		6	0.5%
15		18	1.4%
16		6	0.5%
17		13	1%
18		6	0.5%
19		6	0.5%
20		17	1.3%
21		4	0.3%
22		5	0.4%
23		5	0.4%
24		5	0.4%
25		7	0.6%
26		2	0.2%
27		3	0.2%
28		5	0.4%
29		3	0.2%
30		11	0.9%
31		2	0.2%
32		1	0.1%
33		1	0.1%
34		1	0.1%
35		2	0.2%
36		2	0.2%
37		1	0.1%
38		2	0.2%
40		5	0.4%
41		2	0.2%
42		1	0.1%
44		3	0.2%

45		1	0.1%
46		1	0.1%
47		1	0.1%
50		8	0.6%
51		1	0.1%
52		1	0.1%
53		1	0.1%
55		2	0.2%
58		2	0.2%
59		1	0.1%
60		2	0.2%
62		2	0.2%
67		2	0.2%
68		1	0.1%
70		1	0.1%
71		1	0.1%
72		1	0.1%
75		5	0.4%
76		3	0.2%
78		1	0.1%
79		2	0.2%
80		2	0.2%
85		1	0.1%
90		3	0.2%
94		1	0.1%
95		1	0.1%
97		1	0.1%
98		1	0.1%
100		4	0.3%
104		2	0.2%
110		1	0.1%
125		2	0.2%
137		1	0.1%
139		1	0.1%
148		1	0.1%
150		3	0.2%
160		1	0.1%
175		2	0.2%
189		1	0.1%

200		4	0.3%
210		1	0.1%
212		1	0.1%
220		1	0.1%
228		1	0.1%
250		1	0.1%
262		1	0.1%
280		1	0.1%
295		1	0.1%
297		1	0.1%
315		1	0.1%
325		1	0.1%
340		1	0.1%

### E5B: % of workers - completed secondary education

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 100 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	11	0.9%
-7	Not Applicable	0	0%
0		334	26.5%
1		11	0.9%
2		22	1.7%
3		28	2.2%
4		31	2.5%
5		48	3.8%
6		37	2.9%
7		7	0.6%
8		20	1.6%
9		10	0.8%
10		69	5.5%
11		7	0.6%

12		9	0.7%
13		4	0.3%
14		5	0.4%
15		27	2.1%
16		3	0.2%
17		6	0.5%
18		10	0.8%
19		2	0.2%
20		65	5.2%
21		2	0.2%
22		3	0.2%
23		4	0.3%
24		1	0.1%
25		12	1%
26		2	0.2%
27		4	0.3%
28		1	0.1%
29		4	0.3%
30		58	4.6%
33		7	0.6%
35		2	0.2%
36		1	0.1%
37		1	0.1%
38		4	0.3%
40		54	4.3%
42		4	0.3%
43		4	0.3%
44		1	0.1%
45		5	0.4%
46		1	0.1%
47		5	0.4%
50		26	2.1%
52		1	0.1%
53		2	0.2%
54		1	0.1%
55		1	0.1%
56		2	0.2%
57		2	0.2%
58		1	0.1%

60		77	6.1%
63		3	0.2%
65		3	0.2%
66		2	0.2%
67		3	0.2%
70		33	2.6%
71		2	0.2%
72		1	0.1%
75		1	0.1%
76		2	0.2%
78		1	0.1%
80		21	1.7%
81		1	0.1%
83		4	0.3%
84		1	0.1%
85		2	0.2%
86		2	0.2%
87		2	0.2%
88		4	0.3%
89		2	0.2%
90		7	0.6%
91		2	0.2%
92		1	0.1%
93		3	0.2%
94		1	0.1%
95		3	0.2%
96		2	0.2%
98		4	0.3%
100		90	7.1%

## E5C: % of workers - vocational training

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 100 Format: Numeric

### Questions and instructions

CATEGORIES

Value	Category	Cases	
-9	Don't Know	13	1%
-7	Not Applicable	0	0%
0		688	54.5%
1		27	2.1%
2		19	1.5%
3		10	0.8%
4		14	1.1%
5		17	1.3%
6		15	1.2%
7		6	0.5%
8		2	0.2%
9		3	0.2%
10		91	7.2%
11		2	0.2%
12		4	0.3%
13		1	0.1%
14		2	0.2%
15		22	1.7%
17		1	0.1%
18		3	0.2%
19		1	0.1%
20		69	5.5%
25		3	0.2%
27		1	0.1%
29		1	0.1%
30		35	2.8%
32		1	0.1%
33		2	0.2%
35		1	0.1%
40		38	3%
44		1	0.1%
45		2	0.2%
47		1	0.1%
50		12	1%
52		1	0.1%
53		1	0.1%
55		3	0.2%
57		2	0.2%

58		1	0.1%
60		47	3.7%
63		1	0.1%
64		1	0.1%
65		8	0.6%
67		4	0.3%
70		21	1.7%
73		1	0.1%
75		4	0.3%
77		1	0.1%
78		1	0.1%
80		27	2.1%
85		1	0.1%
90		8	0.6%
97		1	0.1%
98		1	0.1%
99		1	0.1%
100		18	1.4%

### E5D: % of workers - completed college degree or more

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 100  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 100 Format: Numeric

#### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-9	Don't Know	11	0.9%
-7	Not Applicable	0	0%
0		268	21.2%
1		41	3.2%
2		37	2.9%
3		19	1.5%
4		7	0.6%
5		10	0.8%
6		8	0.6%

7		7	0.6%
8		8	0.6%
9		2	0.2%
10		55	4.4%
11		8	0.6%
12		1	0.1%
13		13	1%
14		5	0.4%
15		15	1.2%
16		5	0.4%
17		4	0.3%
18		4	0.3%
20		89	7.1%
21		1	0.1%
22		1	0.1%
23		1	0.1%
24		3	0.2%
25		12	1%
26		1	0.1%
27		2	0.2%
29		1	0.1%
30		72	5.7%
31		1	0.1%
32		1	0.1%
33		6	0.5%
35		9	0.7%
36		2	0.2%
37		1	0.1%
38		3	0.2%
39		2	0.2%
40		62	4.9%
42		1	0.1%
43		1	0.1%
45		2	0.2%
46		2	0.2%
48		1	0.1%
50		21	1.7%
51		1	0.1%
52		1	0.1%

53		1	0.1%
54		1	0.1%
55		3	0.2%
59		1	0.1%
60		61	4.8%
62		1	0.1%
64		1	0.1%
65		4	0.3%
66		2	0.2%
67		4	0.3%
69		2	0.2%
70		49	3.9%
73		2	0.2%
75		9	0.7%
77		1	0.1%
80		57	4.5%
82		1	0.1%
83		3	0.2%
85		7	0.6%
87		1	0.1%
88		5	0.4%
89		4	0.3%
90		10	0.8%
91		1	0.1%
92		3	0.2%
93		1	0.1%
94		1	0.1%
95		4	0.3%
96		1	0.1%
98		1	0.1%
100		192	15.2%

## E6A: Total sales (ref\_year1)

Data file: fat\_ghana\_disclosure

### Overview

Valid: 1258 Invalid: 4 Minimum: 1200 Maximum: 1900000  
 Type: Discrete Decimal: 0 Width: 14 Range: 1200 - 1900000 Format: Numeric

**E6B: Total sales (ref\_year2)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1247 Invalid: 15 Minimum: 1000 Maximum: 3024000  
Type: Discrete Decimal: 0 Width: 14 Range: 1000 - 3024000 Format: Numeric

---

**E7A: Total labor cost (ref\_year1)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1258 Invalid: 4 Minimum: 1000 Maximum: 480000  
Type: Discrete Decimal: 0 Width: 14 Range: 1000 - 480000 Format: Numeric

---

**E7B: Total material cost (ref\_year1)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1258 Invalid: 4 Minimum: 1000 Maximum: 342000  
Type: Discrete Decimal: 0 Width: 14 Range: 1000 - 342000 Format: Numeric

---

**E7C: Total energy cost (ref\_year1)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1258 Invalid: 4 Minimum: 1000 Maximum: 43283  
Type: Discrete Decimal: 0 Width: 14 Range: 1000 - 43283 Format: Numeric

---

**E7D: Operation cost (ref\_year1)****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1254 Invalid: 8 Minimum: 1000 Maximum: 332400  
Type: Discrete Decimal: 0 Width: 14 Range: 1000 - 332400 Format: Numeric

---

**E8A: Equipment cost (ref\_year1)****Data file:** fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: 1000 Maximum: 16700000  
 Type: Discrete Decimal: 01 Width: 20 Range: 1000 - 16700000 Format: Numeric

**E8B: Building cost (ref\_year1)**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: 1000 Maximum: 9100000  
 Type: Discrete Decimal: 01 Width: 20 Range: 1000 - 9100000 Format: Numeric

**S2E: State/Province**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 13 Range: - Format: character

**S4: Multi-Establishment**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 2  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	225	17.8%
2	No	1037	82.2%

**S4A: No. of establishments**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262 Invalid: 0 Minimum: -9 Maximum: 500  
 Type: Discrete Decimal: 0 Width: 14 Range: -9 - 500 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-9	Don't Know	6	0.5%
-7	Not Applicable	0	0%
0		1031	81.7%
1		6	0.5%
2		33	2.6%
3		39	3.1%
4		26	2.1%
5		18	1.4%
6		11	0.9%
7		2	0.2%
8		5	0.4%
9		5	0.4%
10		18	1.4%
11		1	0.1%
12		3	0.2%
13		1	0.1%
15		2	0.2%
16		4	0.3%
17		2	0.2%
18		1	0.1%
20		1	0.1%
22		4	0.3%
23		2	0.2%
25		3	0.2%
30		4	0.3%
32		1	0.1%
34		1	0.1%
35		1	0.1%
36		1	0.1%
37		1	0.1%
40		1	0.1%
45		1	0.1%
48		1	0.1%
50		1	0.1%
51		1	0.1%

52		1	0.1%
60		2	0.2%
67		4	0.3%
69		1	0.1%
75		1	0.1%
77		1	0.1%
136		1	0.1%
150		1	0.1%
185		1	0.1%
200		1	0.1%
214		2	0.2%
250		2	0.2%
256		2	0.2%
257		1	0.1%
300		1	0.1%
437		1	0.1%
500		1	0.1%

### S7: How many workers does this establishment have?

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: 4 Maximum: 5000  
 Type: Discrete Decimal: 0 Width: 8 Range: 4 - 5000 Format: Numeric

### COUNTRY:

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: - Format: character

### COUNTRY\_CODE: Country Code

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: - Format: character

**FIRMID:****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: 400001 Maximum: 401262  
 Type: Discrete Decimal: 0 Width: 10 Range: 400001 - 401262 Format: Numeric

---

**S1A\_REV:****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 102  
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 102 Format: Numeric

---

**S1B\_REV:****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 3  
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 3 Format: Numeric

---

**S1C\_REV:****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 6  
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 6 Format: Numeric

---

**FORMALITY: Formal Sector****Data file:** fat\_ghana\_disclosure**Overview**

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 1  
 Type: Discrete Decimal: 0 Width: 14 Range: 1 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-9	Don't Know	0	0%
-7	Not Applicable	0	0%
1	Yes	1262	100%

2	No	0	0%
---	----	---	----

### BASE\_WT: Sampling Weight

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0 Minimum: 1 Maximum: 164.0530242919922  
 Type: Discrete Decimal: 0 Width: 9 Range: 1 - 164.0530242919922 Format: Numeric

### SURVEY\_YEAR: Survey Year

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: - Format: character

### REF\_YEAR1: Reference Year 1

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: - Format: character

### REF\_YEAR2: Reference Year 2

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: - Format: character

### S2F: Country

Data file: fat\_ghana\_disclosure

#### Overview

Valid: 1262 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 9 Range: - Format: character

### D8A: 1st obstacle to adopt technology

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 63    Range: -    Format: character

---

**D8B: 2nd obstacle to adopt technology**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 63    Range: -    Format: character

---

**D8C: 3rd obstacle to adopt technology**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 63    Range: -    Format: character

---

**D8D: 1st reason for the acquisition of technology**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 56    Range: -    Format: character

---

**D8E: 2nd reason for the acquisition of technology**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 56    Range: -    Format: character

---

**D8F: 3rd reason for the acquisition of technology**

Data file: fat\_ghana\_disclosure

**Overview**

Valid: 1262    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 56    Range: -    Format: character

---

### **S1A: Sampling sector**

**Data file:** fat\_ghana\_disclosure

#### **Overview**

Valid: 1262    Invalid: 0  
Type: Discrete    Decimal: 0    Width: 24    Range: -    Format: character

---

### **S1B: Sampling size**

**Data file:** fat\_ghana\_disclosure

#### **Overview**

Valid: 1262    Invalid: 0  
Type: Discrete    Decimal: 0    Width: 9    Range: -    Format: character

---

### **S1C: Sampling location**

**Data file:** fat\_ghana\_disclosure

#### **Overview**

Valid: 1262    Invalid: 0  
Type: Discrete    Decimal: 0    Width: 50    Range: -    Format: character

---

# Documentation

## Questionnaires

### Ghana FAT survey questionnaire - main section.

---

Title Ghana FAT survey questionnaire - main section.  
 Author(s) Xavier Cirera (World Bank), Diego Comin (Dartmouth College), Marcio Cruz (IFC)  
 Country Ghana  
 Description Ghana FAT survey questionnaire - main section  
 Filename FAT\_Questionnaire\_Ghana\_Section\_Main.pdf

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### Ghana FAT survey questionnaire - sections C01-C12

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Title Ghana FAT survey questionnaire - sections C01-C12  
 Author(s) Xavier Cirera (World Bank), Diego Comin (Dartmouth College), Marcio Cruz (IFC)  
 Country Ghana  
 Description Ghana FAT survey questionnaire - sections C01-C12  
 Filename FAT\_Questionnaire\_Ghana\_Section\_Sectors\_C01-C12.pdf

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## Technical documents

### Ghana FAT survey methodology.

---

Title Ghana FAT survey methodology.  
 Author(s) Xavier Cirera (World Bank), Diego Comin (Dartmouth College), Marcio Cruz (IFC)  
 Country Ghana  
 Description Ghana FAT survey methodology  
 Filename FAT\_Survey\_Methodology\_Note\_Ghana.pdf

---

### Ghana FAT survey codebook.

---

Title Ghana FAT survey codebook.  
 Author(s) Xavier Cirera (World Bank), Diego Comin (Dartmouth College), Marcio Cruz (IFC)  
 Country Ghana  
 Description Ghana FAT survey codebook  
 Filename FAT\_Ghana\_Codebook.pdf

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