

## IHSES Expenditure Calculations

#	COICOP division & type of expenditure	Questionnaire section & items	Computations to find monthly HH expenditure
01	<b><u>01: Food and non-alcoholic beverages</u></b>		
02	Ration food at paid prices	Section 2: items 1 to 10,13, 14 (flour, rice, sugar, oil or vegetable fat, chickpeas, beans, lentil, tea, powdered milk, babies milk & baby food) & new food items.  Section 11: all items with COICOP code 0111101 to 0122109	Divide quantity received Q0206 minus quantity sold or bartered Q0210 by number of months Q0207 & multiply by official price. Then adjust for higher than official prices paid to ration agents. Divide quantity received Q0206 minus quantity sold or bartered Q0210 by number of months Q0207 & multiply by market price Q0208. Then adjust for higher the official prices paid to ration agents. Divide value Q1102 by number of days included in dairy and multiply by 365/12
03	Ration food at market prices		
04	Non ration food		
05	Total at paid prices		#02 + # 04
06	Total at market prices		#03 + # 04
07	<b><u>02: Alcoholic beverages, tobacco and narcotics</u></b>		
08	Alcoholic beverages, tobacco and narcotics	Section 11: COICOP code 0211101 to 0231109	Divide value Q1102 by number of days included in dairy and multiply by 365/12
09	<b><u>03: Clothing and footwear</u></b>		
10	Clothing and footwear	Sections 8 and 9 COICOP code 0311101 to 0322402	Value Q0803 divided by 30 multiplied by 365/12 plus value Q0903 divided by 90 multiplied by 365/12
11	<b><u>04: Housing, water, electricity, gas and other fuels</u></b>		
12	Periodic expenditure	Section 3: items 2 to 6: water, sewage, crude water, electricity network & private Section 11: item 0441103	Value Q0337 divided by number of days Q0338 multiplied by 365/12 and by consumption proportion, 1-(Q0339/100) Divide value Q1102 by number of days included in dairy and multiply by 365/12
13	Rent at paid prices	Section 3, part G item 1 and Q0329	Value Q0337 divided by number of days Q0338 multiplied by 365/12 and by consumption proportion, 1-(Q0339/100), for rented housing units plus estimated rent Q0329 multiplied by consumption proportion, 1-(Q0339/100), for other types of rent.
14	Rent at market prices	Section 3: rent	Estimated rent Q0329 multiplied by consumption proportion, 1-(Q0339/100) for all
15	Monthly, quarterly and annual expenditure	Sections 8: items 0452101 to 0452103, 0453101 to 0454104, 0442101 & 0444101 Section 10: 0431101 to 0431103 & 0432101	Value Q0803 divided by 30 multiplied by 365/12 plus value Q1003 divided by 12
16	Fuel & oil for generators	Sections 8: 0452204 to 0452206	Value Q0803 divided by 30 multiplied by 365/12 and by consumption proportion, 1-(Q0339/100)
17	Fuel for generators	Section 11: 0452201 to 0452203	Value Q1102 divided by number of days included in dairy and multiplied by 365/12 and by consumption proportion, 1-(Q0339/100).
18	Total at paid prices		# 12 + #13 + #15 + #16 + #17

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19	Total at market prices		# 12 + #14 + #15 + #16 + #17
20	<b>05: Furnishings, household equipment and routine household maintenance</b>		
21	Soap and detergents at paid prices	Section 2: items 11 and 12: soap and detergents	Divide quantity Q0206 by period Q0207 & multiply by official price
22	Soap and detergents at market prices		Divide quantity Q0206 by period Q0207 & multiply by market price Q0208
23	Monthly, quarterly and annual expenditure	Sections 8, 9 & 10 COICOP code 0511101 to 0562209	Value Q0803 divided by 30 multiplied by 365/12 plus value Q0903 divided by 90 multiplied by 365/12 plus value Q1003 divided by 12
24	Total at paid prices		#21 + #23
25	Total at market prices		#22 + #23
26	<b>06: Health</b>		
27	Monthly, quarterly and annual expenditure	Sections 8, 9 & 10 COICOP code 0611101 to 0630109	Value Q0803 divided by 30 multiplied by 365/12 plus value Q0903 divided by 90 multiplied by 365/12 plus value Q1003 divided by 12
28	<b>07: Transport</b>		
29	Monthly, quarterly and annual expenditure	Sections 8, 9 & 10 COICOP code 0711101 to 0732109	Value Q0803 divided by 30 multiplied by 365/12 plus value Q0903 divided by 90 multiplied by 365/12 plus value Q1003 divided by 12
30	Fuel for personal vehicle transport	Section 11 code 0722101, 0722102, 0722103	Divide value Q1102 by number of days included in diary and multiply by 365/12
31	Transportation by road and rivers	Section 11: COICOP code 0731102 & 0731106	Divide value Q1102 by number of days included in diary and multiply by 365/12
32	Total		#29 + #30 + #31
33	<b>08: Communication</b>		
34	Periodic expenditure	Section 3: Part G item 7: telephone	Value Q0337 divided by period Q0338 multiplied by 365/12 and by consumption proportion, $1 - (Q0339/100)$
35	Monthly, quarterly and annual expenditure	Sections 8 & 10 COICOP code 0810101 to 0830119	Value Q0803 divided by 30 multiplied by 365/12 plus value Q1003 divided by 12
36	Total		#34 + #35
37	<b>09: Recreation and culture</b>		
38	Monthly, quarterly and annual expenditure	Sections 8, 9 & 10 COICOP code 0911101 to 0960109	Value Q0803 divided by 30 multiplied by 365/12 plus value Q0903 divided by 90 multiplied by 365/12 plus Q1003 value divided by 12
39	Newspapers and magazines	Section 11: COICOP 0952101 and 0952102	Divide value Q1102 by number of days included in diary and multiply by 365/12
40	Total		#38 + #39
41	<b>10: Education</b>		
42	Monthly and annual expenditure	Sections 8 & 10 COICOP code 1010101 to 1040103	Value Q0803 divided by 30 multiplied by 365/12 plus value Q1003 divided by 12
43	<b>11: Restaurants and hotels</b>		
44	Quarterly expenditure	Sections 9 COICOP code 1120101 to 1120201	Value Q0903 divided by 90 multiplied by 365/12
45	Restaurants, coffee shops and similar	Section 11: COICOP 1111101 and 1120201	Divide value Q1102 by number of days included in diary and multiply by 365/12
46	Total		#44 + #45
47	<b>12: Miscellaneous goods and services</b>		
48	Monthly and annual	Sections 8 & 10 COICOP	Value Q0803 divided by 30 multiplied by

#	COICOP division & type of expenditure	Questionnaire section & items	Computations to find monthly HH expenditure
	expenditure	code 1211201 to 1270120	365/12 plus value Q1003 divided by 12
49	<b>Total consumption expenditure</b>		
50	<b>At paid prices</b>		#05+#08+#10+#18+#24+#27+#32+#36+#40 +#42+#46+#48
51	<b>At market prices</b>		#06+#08+#10+#19+#25+#27+#32+#36+#40 +#42+#46+#48

## IHSES income calculations

#	Source of income	Questionnaire section & items	Computations to find monthly HH income
01	<b>Employment income (Section 13)</b>		
02	Wages: Cash	q1321c, q1321u, q1322n, q1203,	<p>If period is 'day' (q1321u=1) and days worked last 7 days (from question 1204) is not zero, then monthly wage= q1321c/q1322n X days worked last 7 days (from question 1204) X 52/12 X months worked last 12 months(from question q1203)/12.</p> <p>If period is 'day' (q1321u=1) and days worked last 7 days (from question 1204) is zero, then monthly wage= q1321c/q1322n X 15 X months worked last 12 months (from question q1203)/12.</p> <p>If period is 'week' (q1321u=2), then monthly wage= q1321c/q1322n X 52/12 X months worked last 12 months (from question q1203)/12.</p> <p>If period is 'half a month' (q1321u=3), then monthly wage= q1321c/q1322n X 2 X months worked last 12 months (from question q1203)/12.</p> <p>If period is 'month' (q1321u=4), then monthly wage= q1321c/q1322n X months worked last 12 months (from question q1203)/12.</p>
03	Wages: In kind	q1321k, q1321u, q1322n, q1203,	<p>If period is 'day' (q1321u=1), then monthly wage in kind= q1321k/q1322n X25 X months worked last 12 months (from question q1203)/12.</p> <p>If period is 'week' (q1321u=2), then monthly wage in kind= q1321k/q1322n X 4 X months worked last 12 months (from question q1203)/12.</p> <p>If period is 'half a month' (q1321u=3), then monthly wage in kind= q1321k/q1322n X 2 X months worked last 12 months (from question q1203)/12.</p> <p>If period is 'month' (q1321u=4), then monthly wage in kind= q1321k/q1322n X months worked last 12 months (from question q1203)/12.</p>
04	Total wages	#02 + #03	
05	Allowances: Cash	q1324c	Divide q1324c by 12.
06	Allowances: In kind	q1324k	Divide q1324k by 12.
07	Total Allowances	#05 + #06	
08	<b>Total income from employment</b>		<b>#04 + #07</b>
09	<b>Employer and self employed income (Section 14)</b>		
10	Crop production	q1406a, q1414_1 to q1414_9, q1414_14 to q1414_17, q1414_19 and q1407g	Total of q1406a for all crops minus land owner of crops, q1407g multiplied by price which is equal to q1406a/q1406q). Then subtract production cost, which is equal to total q1414_1 to q1414_9 plus q1414_17 plus share of crop product for costs shared with animal product, i.e. q1406a/(q1406a+ q1411+ q1412+ q1413+q1413a) multiplied by (total of q1414_14 to q1414_16 plus q1414_19). The result is divided by12.
11	Animal production	q1411, q1412, q1413, q1413a, q1414_10 to q1414_16,	q1411 + q1412 + q1413 minus total of q1414_10 to q1414_13, q1414_18 minus share of animal production for costs shared with crop product, i.e. (q1411+ q1412+ q1413+q1413a) /(q1406a+q1411+ q1412+

#	Source of income	Questionnaire section & items	Computations to find monthly HH income
12	Fishing activity	q1414_18, 1414_19.	q1413+q1413a) multiplied by (total of q1414_14 to q1414_16 plus q1414_19). The result is divided by12.
13	Forest activity	q1416A, q1416B, q1416C, q1417A, q1417B.	q1416A + q1416B + q1416C - (q1417A + q1417B). The result is divided by12.
14	Industrial activity	q1417-B,q1417-C	q1417-B + q1417-C – 1417-D. The result is divided by12.
15	Trade activity	q1417-D	
16	Construction activity	q1436, q1437	q1436+ q1437 divided by12
17	Transportation and communication activity	q1438	q1438 divided by12
18	Services activity	q1439	q1439 divided by12
19	<b>Total employer and self employed income</b>	q1440	q1440 divided by12
19		q1441	q1441 divided by12
20			<b>#10+ #11+ #12+ #13+ #14+ #15+ #16+ #17+ #18</b>
20	<b>Property income (Section 15)</b>		
21	Current property income	q1502 for items 1501 to 1512	Total of q1502a_q+ q1502b_q+ q1502c_q for all items 1501 to 1512. The result is divided by12.
22	<b>Transfer income (Section 15)</b>		
23	Social salaries	q1502 for items 1522 to 1535	Total of q1502a_q + q1502b_q + q1502c_q for all items 1522 to 1535. The result is divided by12.
24	Other transfer income	q1502 for items 1536 to 1549, 1551, 1553	Total of q1502a_q + q1502b_q + q1502c_q for all items 1536 to 1549, 1551 and 1553. The result is divided by12.
25	<b>Total transfer income</b>		<b>#23 + #24</b>
27	<b>Total income received</b>		<b>#08+ #19+ #21+ #25</b>
28	<b>Total income plus price subsidies</b>		<b>#27+(consumption expenditure at market prices - consumption expenditure at paid prices)</b>
29	Capital revenues		Total of q1502a_q+ q1502b_q+ q1502c_q for items 1513 to 1521