2017 GLOBAL FINDEX SURVEY METHODOLOGY

The indicators in the 2017 Global Findex database are drawn from survey data covering almost 150,000 people in 144 economies—representing more than 97 percent of the world's population (see table A.1 for a list of the economies included). The survey was carried out over the 2017 calendar year by Gallup, Inc., as part of its Gallup World Poll, which since 2005 has annually conducted surveys of approximately 1,000 people in each of more than 160 economies and in over 150 languages, using randomly selected, nationally representative samples. The target population is the entire civilian, noninstitutionalized population age 15 and above. For a summary of the data and key findings, see Asli Demirgüç-Kunt, Leora Klapper, Dorothe Singer, Saniya Ansar, and Jake Hess, *The Global Findex Database 2017: Measuring Financial Inclusion and the Fintech Revolutio*n (Washington, DC: World Bank, 2018).

Interview procedure

Surveys are conducted face to face in economies where telephone coverage represents less than 80 percent of the population or where this is the customary methodology. In most economies the fieldwork is completed in two to four weeks.

In economies where face-to-face surveys are conducted, the first stage of sampling is the identification of primary sampling units. These units are stratified by population size, geography, or both, and clustering is achieved through one or more stages of sampling. Where population information is available, sample selection is based on probabilities proportional to population size; otherwise, simple random sampling is used.

Random route procedures are used to select sampled households. Unless an outright refusal occurs, interviewers make up to three attempts to survey the sampled household. To increase the probability of contact and completion, attempts are made at different times of the day and, where possible, on different days. If an interview cannot be obtained at the initial sampled household, a simple substitution method is used.

Respondents are randomly selected within the selected households. Each eligible household member is listed and the handheld survey device randomly selects

the household member to be interviewed. For paper surveys, the Kish grid method is used to select the respondent.[1] In economies where cultural restrictions dictate gender matching, respondents are randomly selected from among all eligible adults of the interviewer's gender.

In economies where telephone interviewing is employed, random digit dialing or a nationally representative list of phone numbers is used. In most economies where cell phone penetration is high, a dual sampling frame is used. Random selection of respondents is achieved by using either the latest birthday or household enumeration method. At least three attempts are made to reach a person in each household, spread over different days and times of day.

Data preparation

Data weighting is used to ensure a nationally representative sample for each economy. Final weights consist of the base sampling weight, which corrects for unequal probability of selection based on household size, and the poststratification weight, which corrects for sampling and nonresponse error. Poststratification weights use economy-level population statistics on gender and age and, where reliable data are available, education or socioeconomic status.

Table A.1 shows the data collection period, number of interviews, approximate design effect, and margin of error for each economy as well as sampling details where relevant.

Additional information about the Global Findex data, including the complete database, can be found at http://www.worldbank.org/globalfindex.

Additional information about the methodology used in the Gallup World Poll can be found at http://www.gallup.com/178667/gallup-world-poll-work.aspx.

Note

1. The Kish grid is a table of numbers used to select the interviewee. First, the interviewer lists the name, gender, and age of all permanent household members age 15 and above, whether or not they are present, in order by age. Second, the interviewer finds the column number of the Kish grid that corresponds to the last digit of the questionnaire and the row number for the number of eligible household members. The number in the cell where the column and row intersect is the person selected for the interview.

TABLE A.1

Details of survey methodology for economies included in the 2017 Global Findex survey and database

Economy	Region[a]	Income group	Data collection period	Interviews	Design effect[b]	Margin of error[c]	Mode of interviewing	Languages	Exclusions and other sampling details
Afghanistan	SAS	Low	May 22–Jun 20, 2017	1,000	1.47	3.8	Face to face	Dari, Pashto	Gender-matched sampling was used during the final stage of selection.
Albania	ECA	Upper middle	May 18–Jun 12, 2017	1,000	1.30	3.5	Face to face[d]	Albanian	
Algeria	MNA	Upper middle	Sep 11–Sep 26, 2017	1,016	1.44	3.7	Face to face[d]	Arabic	Sample excludes sparsely populated areas in the far South, representing about 10% of the population.
Argentina	LAC	Upper middle	Jun 22–Aug 14, 2017	1,000	1.37	3.6	Face to face[d]	Spanish	Sample excludes dispersed rural population areas, representing about 5.7% of the population.
Armenia	ECA	Lower middle	Jun 6–Jun 29, 2017	1,000	1.28	3.5	Face to face[d]	Armenian	
Australia	HI	High	Apr 28–Jul 17, 2017	1,008	2.19	4.6	Landline and cellular telephone	English	
Austria	HI	High	May 30–Jun 28, 2017	1,000	1.29	3.5	Landline and cellular telephone	German	
Azerbaijan	ECA	Upper middle	Jul 25–Aug 15, 2017	1,000	1.41	3.7	Face to face[d]	Azeri, Russian	Sample excludes Kelbadjaro-Lacha, Nagorno-Karabakh, and Nakhichevan territories, representing about 14% of the population.
Bahrain	HI	High	May 2–May 20, 2017	1,060	1.44	3.6	Landline and cellular telephone	Arabic, English	Sample includes only Bahraini nationals, Arab expatriates, and non-Arabs who were able to participate in the survey in Arabic or English.
Bangladesh	SAS	Lower middle	Apr 18–May 4, 2017	1,000	1.34	3.6	Face to face[d]	Bengali	Sample excludes three hill districts in Chittagong (Bandarban, Khagrachori, and Rangamati) for security reasons. The excluded areas represent about 1% of the population.
Belarus	ECA	Upper middle	Jun 24–Jul 18, 2017	1,053	1.39	3.6	Face to face[d]	Russian	
Belgium	HI	High	Jul 11–Sep 18, 2017	1,001	1.42	3.7	Landline and cellular telephone	French, Dutch	
Benin	SSA	Low	May 1–May 14, 2017	1,000	1.53	3.8	Face to face[d]	Bariba, Fon, French, Anago	
Bolivia	LAC	Lower middle	Jul 2–Sep 20, 2017	1,000	1.44	3.7	Face to face[d]	Spanish	
Bosnia and Herzegovina	ECA	Upper middle	May 19–Jun 14, 2017	1,000	1.28	3.5	Face to face[d]	Bosnian, Croatian, Serbian	
Botswana	SSA	Upper middle	May 21–Jun 7, 2017	1,000	1.54	3.8	Face to face[d]	English, Setswana	

Economy	Region[a]	Income group	Data collection period	Interviews	Design effect[b]	Margin of error[c]	Mode of interviewing	Languages	Exclusions and other sampling details
Brazil	LAC	Upper middle	May 11– Jun 15, 2017	1,000	1.39	3.7	Face to face[d]	Portuguese	
Bulgaria	ECA	Upper middle	May 11– Jun 26, 2017	1,000	1.49	3.8	Face to face[d]	Bulgarian	
Burkina Faso	SSA	Low	May 16– May 29, 2017	1,000	1.63	4.0	Face to face[d]	Dioula, French, Fulfulde, Moore	
Cambodia	EAP	Lower middle	Mar 18– Apr 8, 2017	1,600	1.42	2.9	Face to face[d]	Khmer	
Cameroon	SSA	Lower middle	Feb 21– Mar 7, 2017	1,000	1.45	3.7	Face to face[d]	French, English, Fulfulde	Sample excludes some localities because of security concerns: Blangoua, Bourrha, Darak, Fotokol, Goulfey, Hile-Alifa, Kolofata, Koza, Mayo Moskota, Mogode, Mora, Tokombere, Waza, and Zina. The excluded areas represent about 10% of the population.
Canada	HI	High	Aug 10– Nov 29, 2017	1,003	1.58	3.9	Landline and cellular telephone	English, French	
Central African Republic	SSA	Low	May 21– Jun 5, 2017	1,000	1.56	3.9	Face to face[d]	French, Sangho	Sample excludes some prefectures because of security concerns: Bamingui-Bangoran, Basse-Kotto, Haute-Kotto, Haut-Mbomou, Mbomou, Nana-Grébizi, Ouham, Ouham-Pende, and Vakaga. The excluded areas represent about 40% of the estimated population.
Chad	SSA	Low	Apr 17– May 4, 2017	1,000	1.65	4.0	Face to face[d]	French, Chadian Arabic, Ngambaye	Sample excludes seven regions because of security concerns and wilderness (Bourkou, Ennedi, Ouaddai, Salamat, Sila, Tibesti, and Wadi Fira) as well as quartiers or villages with less than 50 inhabitants. The excluded areas represent about 20% of the population.
Chile	HI	High	Jul 8– Aug 10, 2017	1,040	1.59	3.8	Face to face[d]	Spanish	Sample excludes the remote areas Antarctica, Easter Island, and Juan Fernández Island, representing about 0.04% of the population.
China	EAP	Upper middle	May 14– Jul 7, 2017	3,627	1.53	2.0	Face to face	Chinese	Sample excludes Tibet and Xinjiang, representing less than 5% of the population. Unless otherwise noted, data for China do not include data for Hong Kong SAR, China; Macao SAR, China; or Taiwan, China.
Colombia	LAC	Upper middle	Jun 16– Jul 5, 2017	1,000	1.32	3.6	Face to face[d]	Spanish	

Economy	Region[a]	Income group	Data collection period	Interviews	Design effect[b]	Margin of error[c]	Mode of interviewing	Languages	Exclusions and other sampling details
Congo, Dem. Rep.	SSA	Low	Mar 25–Apr 15, 2017	1,000	1.51	3.8	Face to face[d]	French, Kituba, Lingala	Sample excludes parts of several provinces (Eastern Kasai, Equateur, Katanga, North Kivu, Orientale, and South Kivu) and all of Western Kasai province for security reasons. The excluded areas represent about 34% of the estimated population.
Congo, Rep.	SSA	Lower middle	May 6–May 31, 2017	1,000	1.65	4.0	Face to face[d]	French, Lingala, Kikongo, Swahili, Tshiluba	
Costa Rica	LAC	Upper middle	Apr 19–Jul 1, 2017	1,000	1.48	3.8	Face to face[d]	Spanish	
Côte d'Ivoire	SSA	Lower middle	May 14–May 30, 2017	1,000	1.56	3.9	Face to face[d]	French, Dioula	
Croatia	ECA	Upper middle	May 23–Jul 9, 2017	1,000	1.38	3.6	Face to face[d]	Croatian	
Cyprus	HI	High	Apr 27–Jun 20, 2017	1,023	1.39	3.6	Landline and cellular telephone	Greek, English	
Czech Republic	HI	High	Apr 4–Jul 11, 2017	1,000	1.28	3.5	Face to face[d]	Czech	
Denmark	HI	High	May 5–May 30, 2017	1,000	1.30	3.5	Landline and cellular telephone	Danish	
Dominican Republic	LAC	Upper middle	Jul 11–Jul 28, 2017	1,000	1.43	3.7	Face to face[d]	Spanish	
Ecuador	LAC	Upper middle	Jun 10–Jul 6, 2017	1,000	1.32	3.6	Face to face[d]	Spanish	
Egypt, Arab Rep.	MNA	Lower middle	May 16–May 26, 2017	1,000	1.24	3.4	Face to face[d]	Arabic	Sample excludes frontier governorates (Matruh, New Valley, North Sinai, Red Sea, and South Sinai) because of their remoteness and small population share. The excluded areas represent less than 2% of the population.
El Salvador	LAC	Lower middle	May 20–Jun 13, 2017	1,000	1.59	3.9	Face to face[d]	Spanish	
Estonia	HI	High	Jun 15–Jul 15, 2017	1,000	1.21	3.4	Face to face[d]	Estonian, Russian	
Ethiopia	SSA	Low	May 2–Jun 26, 2017	1,000	1.40	3.7	Face to face[d]	Amharic, Oromo, Tigrinya	
Finland	HI	High	Apr 26–May 30, 2017	1,000	1.35	3.6	Cellular telephone	Finnish, Swedish	
France	HI	High	Apr 19–May 18, 2017	1,000	1.41	3.7	Landline and cellular telephone	French	
Gabon	SSA	Upper middle	Jun 14–Jul 5, 2017	1,000	1.55	3.9	Face to face[d]	French, Fang, Punu	
Georgia	ECA	Lower middle	Jun 9–Jun 29, 2017	1,000	1.32	3.6	Face to face[d]	Georgian, Russian	

Economy	Region[a]	Income group	Data collection period	Interviews	Design effect[b]	Margin of error[c]	Mode of interviewing	Languages	Exclusions and other sampling details
Germany	HI	High	Apr 19–May 18, 2017	1,000	1.40	3.7	Landline and cellular telephone	German	
Ghana	SSA	Lower middle	May 20–Jun 10, 2017	1,000	1.36	3.6	Face to face[d]	English, Ewe, Hausa, Twi, Dagbani	
Greece	HI	High	May 20–Jun 16, 2017	1,000	1.30	3.5	Face to face[d]	Greek	
Guatemala	LAC	Lower middle	May 17–Jun 12, 2017	1,000	1.26	3.5	Face to face[d]	Spanish	
Guinea	SSA	Low	Jul 10–Jul 27, 2017	1,000	1.43	3.7	Face to face[d]	French, Malinke, Pular, Soussou	
Haiti	LAC	Low	Jul 13–Jul 22, 2017	504	1.27	4.9	Face to face[d]	Creole	
Honduras	LAC	Lower middle	May 24–Jun 18, 2017	1,000	1.45	3.7	Face to face[d]	Spanish	
Hong Kong SAR, China	HI	High	Apr 27–Jul 8, 2017	1,007	1.37	3.6	Landline and cellular telephone	Chinese	
Hungary	HI	High	May 14–Jun 21, 2017	1,000	1.36	3.6	Face to face[d]	Hungarian	
India	SAS	Lower middle	Apr 21–Jun 2, 2017	3,000	1.48	2.2	Face to face[d]	Assamese, Bengali, Gujarati, Hindi, Kannada, Malayalam, Marathi, Odia, Punjabi, Tamil, Telugu	Sample excludes Northeast states and remote islands, representing less than 10% of the population.
Indonesia	EAP	Lower middle	Apr 10–May 20, 2017	1,000	1.38	3.6	Face to face[d]	Bahasa Indonesia	
Iran, Islamic Rep.	MNA	Upper middle	May 23–Jun 15, 2017	1,004	1.65	4.0	Landline and cellular telephone	Farsi	
Iraq	MNA	Upper middle	May 15–Jun 9, 2017	1,000	1.51	3.8	Landline and cellular telephone	Arabic, Kurdish	
Ireland	HI	High	Mar 14–Apr 10, 2017	1,000	1.22	3.4	Landline and cellular telephone	English	
Israel	HI	High	May 24–Jun 22, 2017	1,000	1.12	3.3	Face to face	Hebrew, Russian, Arabic	Sample excludes East Jerusalem. This area is included in the sample for West Bank and Gaza.
Italy	HI	High	Jan 30–Feb 23, 2017	1,000	1.49	3.8	Landline and cellular telephone	Italian	
Japan	HI	High	Apr 5–Jul 9, 2017	1,005	1.46	3.7	Landline and cellular telephone	Japanese	Landline random-digit-dial sample excludes 12 municipalities near the nuclear power plant in Fukushima, representing less than 1% of the population.
Jordan	MNA	Lower middle	Apr 25–Jul 10, 2017	1,012	1.30	3.5	Face to face[d]	Arabic	Sample includes any respondent in a fixed household able to participate in the survey in Arabic. This resulted in a higher percentage of self-reported non-Jordanians in the 2017 sample (12%, compared with less than 5% in previous waves).

Economy	Region[a]	Income group	Data collection period	Interviews	Design effect[b]	Margin of error[c]	Mode of interviewing	Languages	Exclusions and other sampling details
Kazakhstan	ECA	Upper middle	Jun 5–Jul 2, 2017	1,000	1.42	3.7	Face to face[d]	Russian, Kazakh	
Kenya	SSA	Lower middle	Mar 11–Mar 24, 2017	1,000	1.53	3.8	Face to face[d]	English, Swahili	
Korea, Rep.	HI	High	Mar 29–Jul 5, 2017	1,000	1.47	3.8	Landline and cellular telephone	Korean	
Kosovo	ECA	Lower middle	May 15–Jun 16, 2017	1,000	1.30	3.5	Face to face[d]	Albanian, Serbian	
Kuwait	HI	High	May 18–Jun 5, 2017	1,000	1.34	3.6	Landline and cellular telephone	Arabic, English	Sample includes only Kuwaitis, Arab expatriates, and non-Arabs who were able to complete the interview in Arabic or English.
Kyrgyz Republic	ECA	Lower middle	Jul 10–Jul 25, 2017	1,000	1.04	3.2	Face to face[d]	Kyrgyz, Russian, Uzbek	
Lao PDR	EAP	Lower middle	Sep 1–Sep 27, 2017	1,000	1.33	3.6	Face to face[d]	Lao	Sample excludes Xaisomboun Province and some communes in Bokeo, Huaphanh, Luangnamtha, Luangprabang, Oudomxay, Phongsaly, Saravane, Sekong, Xayaboury, and Xienkhuang because of remoteness or security issues. The excluded areas represent about 10% of the population.
Latvia	HI	High	Jun 5–Jul 27, 2017	1,002	1.30	3.5	Face to face[d]	Latvian, Russian	
Lebanon	MNA	Upper middle	Apr 20–May 29, 2017	1,000	1.37	3.6	Face to face[d]	Arabic	Sample excludes towns of Baalbek, Bint Jbeil, and Hermel under the control of Hezbollah as well as the Beirut suburb of Dahiyeh. The excluded areas represent about 13% of the population. Excluded zones were replaced by areas within the same governorate.
Lesotho	SSA	Lower middle	Oct 26–Nov 10, 2017	1,000	1.45	3.7	Face to face[d]	English, Sotho	
Liberia	SSA	Low	May 31–Jul 4, 2017	1,000	1.32	3.6	Face to face[d]	English, Pidgin English	
Libya	MNA	Upper middle	May 17–May 27, 2017	1,002	1.80	4.2	Cellular telephone	Arabic	
Lithuania	HI	High	Jul 17–Aug 6, 2017	1,000	1.36	3.6	Face to face[d]	Lithuanian	
Luxembourg	HI	High	Apr 19–May 18, 2017	1,000	1.45	3.7	Landline and cellular telephone	French, German	
Macedonia, FYR	ECA	Upper middle	Jun 4–Jul 26, 2017	1,008	1.43	3.7	Face to face[d]	Macedonian, Albanian	
Madagascar	SSA	Low	Mar 28–May 2, 2017	1,000	1.55	3.9	Face to face[d]	French, Malagasy	Sample excludes unsafe or inaccessible regions, representing about 25% of the population.

Economy	Region[a]	Income group	Data collection period	Interviews	Design effect[b]	Margin of error[c]	Mode of interviewing	Languages	Exclusions and other sampling details
Malawi	SSA	Low	May 22–Jun 1, 2017	1,000	1.37	3.6	Face to face[d]	Chichewa, English, Tumbuka	
Malaysia	EAP	Upper middle	May 9, 2017–Jan 2, 2018	1,004	1.63	3.9	Landline and cellular telephone	Bahasa Malay, Chinese, English	
Mali	SSA	Low	Jul 23–Aug 6, 2017	1,000	1.52	3.8	Face to face[d]	French, Bambara	Sample excludes the regions of Gao, Kidal, Mopti, and Tombouctou because of security concerns. These regions represent 23% of the population.
Malta	HI	High	Mar 17–Apr 15, 2017	1,003	1.57	3.9	Landline and cellular telephone	Maltese, English	
Mauritania	SSA	Lower middle	Mar 27–Apr 7, 2017	1,000	1.64	4.0	Face to face[d]	French, Poulaar, Wolof, Hassanya	
Mauritius	SSA	Upper middle	Apr 19–May 31, 2017	1,000	1.43	3.7	Landline and cellular telephone	Creole, English, French	
Mexico	LAC	Upper middle	Jun 8–Jul 8, 2017	1,000	1.46	3.7	Face to face	Spanish	
Moldova	ECA	Lower middle	Jul 21–Aug 8, 2017	1,000	1.18	3.4	Face to face[d]	Romanian, Russian	Sample excludes Transnistria (Prednestrovie) because of security concerns. The excluded area represents about 13% of the population.
Mongolia	EAP	Lower middle	May 25–Jun 30, 2017	1,000	1.24	3.5	Face to face[d]	Mongolian	
Montenegro	ECA	Upper middle	May 12–Jun 15, 2017	1,000	1.41	3.7	Face to face[d]	Montenegrin, Serbian	Sampling frame excluded some very small and remote villages (with less than 150 people), representing about 0.5–1.5% of the population.
Morocco	MNA	Lower middle	Oct 20–Dec 15, 2017	5,110	1.54	1.7	Face to face[d]	Moroccan Arabic	An equal sample size was used for each region (disproportionate sampling). Data were weighted to population distribution.
Mozambique	SSA	Low	Jun 2–Aug 22, 2017	1,000	1.48	3.8	Face to face[d]	Portuguese, Xichangana, Cisena, Emakhuwa	
Myanmar	EAP	Lower middle	Mar 18–Apr 3, 2017	1,600	1.30	2.8	Face to face[d]	Burmese	Sample excludes Chin, Kachin, and Kayah states, representing less than 5% of the population.
Namibia	SSA	Upper middle	May 23–Jul 26, 2017	1,000	1.49	3.8	Face to face[d]	English, Oshivambo	
Nepal	SAS	Low	Aug 10–Sep 12, 2017	1,000	1.45	3.7	Face to face[d]	Nepali	
Netherlands	HI	High	Jul 11–Sep 1, 2017	1,000	1.40	3.7	Landline and cellular telephone	Dutch	
New Zealand	HI	High	Feb 18–Apr 28, 2017	1,000	1.50	3.8	Landline and cellular telephone	English	

Economy	Region[a]	Income group	Data collection period	Interviews	Design effect[b]	Margin of error[c]	Mode of interviewing	Languages	Exclusions and other sampling details
Nicaragua	LAC	Lower middle	May 10–Jun 15, 2017	1,000	1.55	3.9	Face to face[d]	Spanish	
Niger	SSA	Low	Apr 28–May 11, 2017	1,000	1.50	3.8	Face to face[d]	French, Hausa, Zarma	
Nigeria	SSA	Lower middle	Apr 4–Apr 28, 2017	1,000	1.55	3.9	Face to face[d]	English, Hausa, Igbo, Pidgin English, Yoruba	Sample excludes the states of Adamawa, Borno, and Yobe because of security concerns. These states represent 7% of the population.
Norway	HI	High	Apr 28–May 30, 2017	1,000	1.43	3.7	Landline and cellular telephone	Norwegian	
Pakistan	SAS	Lower middle	Mar 20–May 3, 2017	1,600	1.43	2.9	Face to face[d]	Urdu	
Panama	LAC	Upper middle	May 9–Jun 5, 2017	1,000	1.47	3.8	Face to face[d]	Spanish	
Paraguay	LAC	Upper middle	Dec 15, 2017–Jan 18, 2018	1,000	1.30	3.5	Face to face[d]	Spanish, Jeporá	
Peru	LAC	Upper middle	Jul 1–Jul 25, 2017	1,000	1.48	3.8	Face to face[d]	Spanish	
Philippines	EAP	Lower middle	Jul 16–Aug 7, 2017	1,000	1.41	3.7	Face to face[d]	Filipino, Iluko, Hiligaynon, Cebuano, Masbatenyo, Waray, Tausug	
Poland	HI	High	Aug 12–Sep 25, 2017	1,000	1.32	3.6	Face to face[d]	Polish	
Portugal	HI	High	Mar 27–May 3, 2017	1,002	1.43	3.7	Landline and cellular telephone	Portuguese	
Romania	ECA	Upper middle	Apr 12–Jun 15, 2017	1,001	1.46	3.7	Face to face[d]	Romanian, Hungarian	
Russian Federation	ECA	Upper middle	Jun 9–Aug 20, 2017	2,000	1.35	2.5	Face to face[d]	Russian	Sample excludes remote or difficult-to-access areas in the Far North, North Caucasus, and Far East (Nenets autonomous region, Yamalo-Nenets autonomous region, Chukotsk region) as well as other remote or difficult-to-access districts. The excluded areas represent about 20% of the population.
Rwanda	SSA	Low	Dec 7–Dec 20, 2017	1,000	1.32	3.6	Face to face[d]	Kinyarwanda, English	
Saudi Arabia	HI	High	Apr 30–May 20, 2017	1,009	1.43	3.7	Landline and cellular telephone	Arabic, English	Sample includes only Saudi nationals, Arab expatriates, and non-Arabs who were able to participate in the survey in Arabic or English.
Senegal	SSA	Low	Mar 27–Apr 9, 2017	1,000	1.36	3.6	Face to face[d]	French, Wolof	
Serbia	ECA	Upper middle	May 15–Jun 27, 2017	1,000	1.38	3.6	Face to face[d]	Serbian	

Economy	Region[a]	Income group	Data collection period	Interviews	Design effect[b]	Margin of error[c]	Mode of interviewing	Languages	Exclusions and other sampling details
Sierra Leone	SSA	Low	Mar 25–Apr 11, 2017	1,000	1.36	3.6	Face to face[d]	English, Krio, Mende	
Singapore	HI	High	May 17–Aug 9, 2017	1,000	1.39	3.7	Face to face	English, Chinese, Bahasa Malay	Condominiums were covered on a best-effort basis; 7% of condo dwellers were excluded from the survey. About 14% of the population were living in condominiums as of 2016.
Slovak Republic	HI	High	May 12–Jun 6, 2017	1,000	1.36	3.6	Face to face[d]	Hungarian, Slovak	
Slovenia	HI	High	Mar 3–Apr 5, 2017	1,000	1.50	3.8	Landline and cellular telephone	Slovene	
South Africa	SSA	Upper middle	Jun 20–Jul 5, 2017	1,000	1.41	3.7	Face to face[d]	Afrikaans, English, Sotho, Xhosa, Zulu	
South Sudan	SSA	Low	Jun 21–Jul 23, 2017	1,000	1.50	3.8	Face to face[d]	Arabic, Bari, Dinka, English, Juba Arabic, Nuer, Zande	Sample excludes parts of 9 of 10 states because of security concerns. It excludes the majority of Unity State and Upper Nile State as well as all of Jonglei State except Bor South County. The excluded areas represent 44% of the population.
Spain	HI	High	Jan 30–Feb 23, 2017	1,000	1.62	3.9	Landline and cellular telephone	Spanish	
Sri Lanka	SAS	Lower middle	Jun 28–Aug 10, 2017	1,104	1.55	3.7	Face to face[d]	Sinhala, Tamil	
Sweden	HI	High	May 3–May 30, 2017	1,000	1.50	3.8	Landline and cellular telephone	Swedish	
Switzerland	HI	High	Apr 19–May 18, 2017	1,000	1.40	3.7	Landline and cellular telephone	German, French, Italian	
Taiwan, China	HI	High	Apr 10–Jun 11, 2017	1,000	1.47	3.8	Landline and cellular telephone	Chinese	
Tajikistan	ECA	Lower middle	Jun 15–Jul 11, 2017	1,000	1.36	3.6	Face to face[d]	Tajik	
Tanzania	SSA	Low	Jul 16–Jul 30, 2017	1,000	1.53	3.8	Face to face[d]	English, Swahili	
Thailand	EAP	Upper middle	Jun 6–Sep 26, 2017	1,000	1.53	3.8	Face to face	Thai	Sample excludes three provinces in the South region (Narathiwat, Pattani, and Yala) for security reasons as well as a few districts in other provinces. The excluded areas represent less than 4% of the population.
Togo	SSA	Low	Jun 20–Jul 1, 2017	1,000	1.69	4.0	Face to face[d]	French, Ewe, Kabiye	
Trinidad and Tobago	HI	High	Jul 17–Oct 10, 2017	504	1.52	5.4	Face to face[d]	English	
Tunisia	MNA	Lower middle	Apr 11–Apr 25, 2017	1,001	1.20	3.4	Face to face[d]	Arabic	

Economy	Region[a]	Income group	Data collection period	Interviews	Design effect[b]	Margin of error[c]	Mode of interviewing	Languages	Exclusions and other sampling details
Turkey	ECA	Upper middle	May 15–Jun 16, 2017	1,000	1.46	3.7	Face to face[d]	Turkish	
Turkmenistan	ECA	Upper middle	Jun 2–Jun 15, 2017	1,000	1.24	3.5	Face to face[d]	Turkmen, Russian	
Uganda	SSA	Low	Jul 19–Jul 29, 2017	1,000	1.41	3.7	Face to face[d]	Ateso, English, Luganda, Runyankole	
Ukraine	ECA	Lower middle	May 30–Jul 20, 2017	1,000	1.46	3.7	Face to face[d]	Russian, Ukrainian	Sample excludes occupied and conflict areas in Donetsk and Lugansk oblasts. The excluded areas represent 10% of the population.
United Arab Emirates	HI	High	Jul 2–Jul 30, 2017	1,003	1.21	3.4	Landline and cellular telephone	Arabic, English	Sample includes only Emirati nationals, Arab expatriates, and non-Arabs who were able to participate in the survey in Arabic or English.
United Kingdom	HI	High	Mar 14–Apr 10, 2017	1,000	1.37	3.6	Landline and cellular telephone	English	
United States	HI	High	Aug 9–Sep 12, 2017	1,005	1.56	3.9	Landline and cellular telephone	English, Spanish	
Uruguay	HI	High	Jul 4–Aug 21, 2017	1,000	1.41	3.7	Face to face[d]	Spanish	
Uzbekistan	ECA	Lower middle	Jun 2–Jun 29, 2017	1,000	1.38	3.6	Face to face[d]	Uzbek, Russian	
Venezuela, RB	LAC	Upper middle	Aug 26–Nov 15, 2017	1,000	1.69	4.0	Face to face[d]	Spanish	Sample excludes the Federal Dependencies because of remoteness and difficulty of access, as well as some additional areas because of security concerns. The excluded areas represent about 5% of the population.
Vietnam	EAP	Lower middle	Sep 25–Oct 15, 2017	1,002	1.33	3.6	Face to face[d]	Vietnamese	Sample excludes 11 provinces: An Giang, Dac Lak, Dien Bien, Gia Lai, Ha Giang, Ha Tinh, Kien Giang, Kon Tum, Nghe An, Quang Binh, and Thanh Hoa. The excluded areas represent about 19% of the population.
West Bank and Gaza	MNA	Lower middle	May 10–May 29, 2017	1,000	1.48	3.8	Face to face[d]	Arabic	Sample excludes areas with security concerns close to the Israeli borders, areas accessible only to special Israeli permit holders, and areas with a population of less than 1,000. The excluded areas represent less than 2% of the population. The sample includes East Jerusalem.
Zambia	SSA	Lower middle	Jun 20–Jul 16, 2017	1,000	1.37	3.6	Face to face[d]	Bemba, English, Lozi, Nyanja, Tonga	
Zimbabwe	SSA	Low	Apr 8–May 8, 2017	1,000	1.42	3.7	Face to face[d]	English, Shona, Ndebele	

Source: Data on survey methodology provided by Gallup, Inc. For more details, see http://www.gallup.com/178667/gallup-world-poll-work.aspx.

a. Regions exclude high-income economies (HI) and may differ from common geographic usage. EAP = East Asia and the Pacific; ECA = Europe and Central Asia; LAC = Latin America and the Caribbean; MNA = Middle East and North Africa; SAS = South Asia; SSA = Sub-Saharan Africa.
b. The design effect calculation reflects the weights and does not incorporate the intraclass correlation coefficients because they vary by question. Design effect calculation: n*(sum of squared weights)/[(sum of weights)*(sum of weights)].
c. The margin of error is calculated around a proportion at the 95 percent confidence level. The maximum margin of error was calculated assuming a reported percentage of 50 percent and takes into account the design effect. Margin of error calculation: $\sqrt{(0.25/N)}*1.96*\sqrt{(DE)}$. Other errors that can affect survey validity include measurement error associated with the questionnaire, such as translation issues, and coverage error, where a part of the target population has a zero probability of being selected for the survey.
d. Interviewers used a handheld device (computer-assisted personal interviewing, or CAPI) during the interviews rather than pen and paper.