

About the International Comparison Program

The International Comparison Program (ICP) is the largest worldwide data-collection initiative, implemented under the guidance of the United Nations Statistical Commission (UNSC) with the goal of producing comparable price and volume measures of national accounts aggregates across economies of the world. Along with the purchasing power parities (PPPs), the ICP produces price level indexes (PLI) and other comparable aggregates of gross domestic product (GDP) expenditure and its components.

More specifically, the PPPs are used to compute real measures of GDP and its components: individual consumption expenditure by households (ICEH), actual individual consumption by households (AICH), government final consumption expenditure (GFCE), gross fixed capital formation (GFCF), and lower levels of national accounts aggregates. These measures allow more meaningful inter-economy comparisons, as they correct for distortions due to differences in the price levels between economies.

ICP in Asia and the Pacific

The Asian Development Bank (ADB) through the Economic Research and Regional Cooperation Department has been the regional implementing agency (RIA) of the ICP for Asia and the Pacific since the 2005 ICP round. ADB in its capacity as the RIA was responsible for coordinating with the 22 economies that participated in the 2017 ICP. These 22 economies are: Bangladesh; Bhutan; Brunei Darussalam; Cambodia; Fiji; Hong Kong, China; India; Indonesia; the Lao People's Democratic Republic; Malaysia; Maldives; Mongolia; Myanmar; Nepal; Pakistan; the People's Republic of China; the Philippines; Singapore; Sri Lanka; Taipei, China; Thailand; and Viet Nam.

Concepts and Measures

Purchasing Power Parity	The amount of currency units required to purchase a common basket of goods and services in an economy that can be purchased with one unit of the reference currency in the reference economy.
Price Level Index	The ratio of PPP to exchange rate with respect to a common reference currency. PLI expresses the general price level in an economy as percentage of reference economy's price level and shows how the price levels of economies compare with each other. The PLI of the reference economy is 100. A PLI greater than 100 means that when the national average prices are converted at exchange rates, the resulting prices tend to be higher on average than prices in the reference economy.
Real Expenditure	Expenditure in the currency units of an economy converted to a common currency by dividing the expenditure by its corresponding PPP, and hence, valued at a uniform price level across economies.
Nominal Expenditure	Expenditures in the currency units of an economy converted to a common currency using the exchange rate of a reference economy without adjusting for the differences in prices of goods and services across economies.
Per Capita Expenditure	Total expenditure divided by the total population of a given economy. Per capita expenditure measures the standard of living in an economy. This can be expressed either in real or nominal terms.
Per Capita Relative Expenditure	Per capita expenditure that has been converted to the relative units of the reference economy by (i) dividing the per capita expenditure of a given economy by the per capita expenditure of the reference economy and then (ii) multiplying by 100.
Transitivity	An important property of PPP whereby the direct PPP between any two economies yields the same result as an indirect comparison via any other economy.
Base Economy Invariance	The property under which the relativities between the PPPs, PLIs, and volume indexes of economies are not affected by the choice of reference economy or currency.
Economy Share to Asia and the Pacific	An economy's real or nominal expenditures for an aggregate, expressed as a percentage of the total real or nominal expenditure of all participating economies in Asia and the Pacific.
Shares of Nominal Expenditure	An aggregate's nominal expenditure as a percentage of the total nominal expenditure within the economy.

Data and Sources

This file has two sheets: one for the 2017 ICP results and second for 2011 ICP (revised) results. Each sheet contains indicators on PPPs, PLIs, GDP, and aggregates such as AICH, ICEH, nonprofit institutions serving households (NPISH), collective consumption expenditure by government, GFCE, GFCF, change in inventories and net acquisitions of valuables, balance of exports and imports, and subcomponents of these aggregates. The 2017 ICP and 2011 revised ICP results are compiled with Hong Kong, China as the reference economy and the Hong Kong dollar as the reference currency. Each real aggregate value is derived by using a purchasing power parity that is specific to that aggregate, so real aggregates may not sum up to the total of their real components for an economy.

The 2011 revised results are revisions of the 2011 original ICP results based on revisions in the 2011 GDP estimates; revisions in the population estimates; refinements in methods, such as for estimating the adjustment factors to account for the differences in productivity of government; changes in reference PPPs for some basic headings; and minor changes in ICP classification between 2017 and 2011. The annual average prices are the same as used for 2011 original results and remain unchanged. The methods used for estimating the results for 2011 revised are same as the methods used for 2017 ICP results.

The 2017 and 2011 revised results presented in these tables are produced by the ICP Asia Pacific regional implementing agency, based on data supplied by all the participating economies, and in accordance with the methodology recommended by the ICP Technical Advisory Group and approved by the Asia and the Pacific Regional Advisory Board. As such, these results are not produced by participating economies as part of the economies' official statistics.

2017 International Comparison Program for Asia and the Pacific

Mongolia, 2017

Expenditure Category	Purchasing Power Parities (HK\$ = 1.00)	Real Expenditure		Per Capita Real Expenditure		Nominal Expenditure		Per Capita Nominal Expenditure		Nominal Expenditure Shares, (%)	PLIs	
		(HK\$ billion)	Economy Share to Asia and the Pacific, (%)	HK\$	Index (Asia and the Pacific = 100)	(HK\$ billion)	Economy Share to Asia and the Pacific, (%)	HK\$	Index (Asia and the Pacific = 100)		(HKG = 100)	(Asia and the Pacific = 100)
Gross Domestic Product	131.66	212	0.09	67,241	110	89	0.06	28,278	72	100.00	42	66
Actual Individual Consumption by Households ^a	125.77	131	0.10	41,482	117	52	0.07	16,664	80	58.93	40	68
Food and non-alcoholic beverages	147.76	31	0.11	9,899	136	15	0.09	4,672	113	16.52	47	83
Food	144.20	29	0.11	9,169	130	13	0.09	4,223	106	14.94	46	81
Bread and cereals	177.53	4	0.07	1,207	82	2	0.06	685	76	2.42	57	92
Meat and fish	109.06	13	0.19	4,258	232	5	0.11	1,483	135	5.25	35	58
Fruits and vegetables	232.70	1	0.02	394	21	1	0.03	293	31	1.04	74	151
Other food and non-alcoholic beverages	158.03	14	0.17	4,381	205	7	0.15	2,211	183	7.82	50	89
Clothing and footwear	183.41	5	0.10	1,537	117	3	0.08	900	92	3.18	59	79
Clothing	170.43	4	0.10	1,288	119	2	0.07	701	90	2.48	54	76
Housing, water, electricity, gas and other fuels	124.18	18	0.08	5,717	95	7	0.07	2,268	80	8.02	40	84
Health and education	51.50	52	0.12	16,427	150	9	0.05	2,703	60	9.56	16	40
Health	56.57	18	0.07	5,666	89	3	0.04	1,024	43	3.62	18	48
Education	46.25	36	0.19	11,362	234	5	0.07	1,679	80	5.94	15	34
Transportation and communication	162.25	13	0.07	4,139	90	7	0.07	2,145	81	7.59	52	90
Transportation	150.30	10	0.07	3,282	90	5	0.06	1,576	77	5.57	48	86
Recreation and culture	201.62	3	0.08	973	94	2	0.06	627	69	2.22	64	73
Restaurants and hotels	163.06	2	0.04	766	54	1	0.04	399	43	1.41	52	81
Other consumption expenditure items	139.40	19	0.09	6,067	112	9	0.06	2,702	68	9.55	45	61
Individual Consumption Expenditure by Government	46.91	32	0.17	10,191	202	5	0.04	1,527	51	5.40	15	25
Collective Consumption Expenditure by Government	75.18	27	0.18	8,637	216	7	0.07	2,074	80	7.33	24	37
Gross Fixed Capital Formation	166.96	41	0.05	13,066	66	22	0.04	6,968	48	24.64	53	73
Machinery and equipment	292.38	8	0.07	2,566	86	8	0.06	2,397	77	8.48	93	89
Construction	107.12	28	0.04	8,850	50	10	0.03	3,028	32	10.71	34	63
Change in Inventories and Net Acquisitions of Valuables	158.07	12	0.26	3,767	317	6	0.20	1,902	244	6.73	50	77
Balance of Exports and Imports	313.06	2	0.09	669	108	2	0.09	669	108	2.37	100	100
Individual Consumption Expenditure by Households and NPISH	139.95	107	0.09	33,862	109	48	0.07	15,137	85	53.53	45	77
Government Final Consumption Expenditure	61.22	58	0.17	18,416	207	11	0.05	3,601	65	12.74	20	31
Actual Individual Consumption by Households ^a	125.77	131	0.10	41,482	117	52	0.07	16,664	80	58.93	40	68
All goods	165.76	55	0.10	17,452	120	29	0.08	9,240	93	32.68	53	77
Non-durables	145.70	50	0.11	15,771	133	23	0.09	7,340	105	25.96	47	79
Semi-durables	195.04	6	0.09	1,908	111	4	0.07	1,188	80	4.20	62	73
Durables	226.71	3	0.05	984	60	2	0.04	712	48	2.52	72	81
Services	127.71	43	0.07	13,528	86	17	0.06	5,518	70	19.51	41	81

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	313.06
Total Population (in million)	3.15

HK\$ = Hong Kong dollar; HKG = Hong Kong, China; NPISH = nonprofit institutions serving households; PLI = price level index.

^a Includes individual consumption expenditure by households, nonprofit institutions serving households, and government.

Sources: Asian Development Bank estimates. For exchange rate: International Monetary Fund. International Financial Statistics. <http://data.imf.org/> (accessed 17 September 2019). Data for population refers to mid-year estimates supplied by the participating economy for the International Comparison Program.

2017 International Comparison Program for Asia and the Pacific

Mongolia, 2011 (Revised)

Expenditure Category	Purchasing Power Parities (HK\$ = 1.00)	Real Expenditure		Per Capita Real Expenditure		Nominal Expenditure		Per Capita Nominal Expenditure		Nominal Expenditure Shares, (%)	PLIs	
		(HK\$ billion)	Economy Share to Asia and the Pacific, (%)	HK\$	Index (Asia and the Pacific = 100)	(HK\$ billion)	Economy Share to Asia and the Pacific, (%)	HK\$	Index (Asia and the Pacific = 100)		(HKG = 100)	(Asia and the Pacific = 100)
Gross Domestic Product	101.97	129	0.09	46,365	114	81	0.08	29,081	103	100.00	63	90
Actual Individual Consumption by Households ^a	93.22	81	0.10	28,936	130	46	0.09	16,591	117	57.05	57	90
Food and non-alcoholic beverages	119.37	18	0.10	6,504	129	13	0.11	4,775	144	16.42	73	112
Food	117.87	17	0.10	6,042	124	12	0.11	4,381	138	15.06	73	111
Bread and cereals	134.47	2	0.04	609	55	1	0.05	504	64	1.73	83	115
Meat and fish	92.10	7	0.18	2,648	230	4	0.15	1,500	186	5.16	57	81
Fruits and vegetables	188.59	1	0.03	439	34	1	0.05	509	70	1.75	116	209
Other food and non-alcoholic beverages	123.59	8	0.16	2,976	200	6	0.18	2,262	231	7.78	76	115
Clothing and footwear	166.51	2	0.06	749	81	2	0.07	767	95	2.64	102	117
Clothing	165.72	2	0.07	666	89	2	0.08	679	102	2.33	102	114
Housing, water, electricity, gas and other fuels	90.82	12	0.08	4,417	104	7	0.10	2,468	124	8.49	56	119
Health and education	33.25	33	0.15	11,834	198	7	0.07	2,420	89	8.32	20	45
Health	32.70	10	0.08	3,664	107	2	0.04	737	50	2.53	20	47
Education	32.00	24	0.24	8,553	313	5	0.11	1,683	136	5.79	20	43
Transportation and communication	114.66	13	0.16	4,824	204	9	0.16	3,402	199	11.70	71	98
Transportation	93.50	14	0.20	5,001	260	8	0.18	2,876	228	9.89	58	88
Recreation and culture	155.10	1	0.05	497	65	1	0.06	474	71	1.63	95	109
Restaurants and hotels	119.79	1	0.03	364	34	1	0.03	268	37	0.92	74	108
Other consumption expenditure items	96.29	9	0.08	3,125	98	5	0.06	1,851	79	6.37	59	81
Individual Consumption Expenditure by Government	34.95	21	0.17	7,527	222	5	0.07	1,618	85	5.56	21	38
Collective Consumption Expenditure by Government	62.68	14	0.14	5,047	177	5	0.08	1,946	105	6.69	39	59
Gross Fixed Capital Formation	125.97	51	0.10	18,170	130	39	0.10	14,079	130	48.41	77	100
Machinery and equipment	170.20	21	0.18	7,444	236	22	0.19	7,793	248	26.80	105	105
Construction	93.00	23	0.06	8,198	72	13	0.06	4,689	71	16.12	57	99
Change in Inventories and Net Acquisitions of Valuables	123.41	10	0.28	3,731	356	8	0.28	2,832	362	9.74	76	102
Balance of Exports and Imports	162.58	-18	-0.88	-6,367	-1,120	-18	-0.88	-6,367	-1,120	-21.89	100	100
Individual Consumption Expenditure by Households and NPISH	102.82	66	0.10	23,675	123	42	0.10	14,973	122	51.49	63	99
Government Final Consumption Expenditure	48.14	34	0.15	12,036	197	10	0.07	3,564	95	12.26	30	48
Actual Individual Consumption by Households ^a	93.22	81	0.10	28,936	130	46	0.09	16,591	117	57.05	57	90
All goods	119.90	33	0.09	11,970	120	25	0.09	8,827	116	30.35	74	97
Non-durables	109.96	29	0.10	10,482	129	20	0.10	7,089	132	24.38	68	102
Semi-durables	166.01	3	0.06	961	79	3	0.07	981	84	3.37	102	105
Durables	118.54	3	0.08	1,039	97	2	0.06	758	71	2.61	73	73
Services	92.34	29	0.09	10,231	119	16	0.10	5,811	124	19.98	57	104

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	162.58
Total Population (in million)	2.79

HK\$ = Hong Kong dollar; HKG = Hong Kong, China; NPISH = nonprofit institutions serving households; PLI = price level index.

^a Includes individual consumption expenditure by households, nonprofit institutions serving households, and government.

Sources: Asian Development Bank estimates. For exchange rate: International Monetary Fund. International Financial Statistics. <http://data.imf.org/> (accessed 17 September 2019). Data for population refers to mid-year estimates supplied by the participating economy for the International Comparison Program.