

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

People's Republic of China, 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	0.70	117,929	50.76	85,061	139	94,638	63.57	68,262	174	100.00	80	125
Actual Individual Consumption by Households ^a	0.67	57,692	42.96	41,613	117	44,670	56.64	32,220	155	47.20	77	132
Food and non-alcoholic beverages	0.67	8,641	31.46	6,233	86	6,656	42.36	4,801	116	7.03	77	135
Food	0.66	8,422	31.61	6,075	86	6,452	42.84	4,654	117	6.82	77	136
Bread and cereals	0.79	1,250	22.49	902	61	1,144	33.39	825	91	1.21	92	148
Meat and fish	0.61	3,391	48.79	2,446	133	2,384	57.32	1,719	157	2.52	70	117
Fruits and vegetables	0.58	2,419	33.45	1,745	91	1,628	45.80	1,174	125	1.72	67	137
Other food and non-alcoholic beverages	0.73	1,788	22.13	1,290	60	1,501	32.82	1,083	90	1.59	84	148
Clothing and footwear	1.29	1,384	27.72	998	76	2,053	55.21	1,481	151	2.17	148	199
Clothing	1.27	1,094	26.65	789	73	1,596	54.18	1,151	148	1.69	146	203
Housing, water, electricity, gas and other fuels	0.56	9,596	42.29	6,922	115	6,142	57.21	4,431	156	6.49	64	135
Health and education	0.47	22,460	54.16	16,200	148	12,223	71.92	8,816	196	12.92	54	133
Health	0.39	15,269	63.38	11,014	173	6,816	75.67	4,916	207	7.20	45	119
Education	0.58	8,110	44.07	5,850	120	5,407	67.70	3,900	185	5.71	67	154
Transportation and communication	0.56	7,850	45.17	5,662	123	5,048	50.29	3,641	137	5.33	64	111
Transportation	0.52	5,931	43.00	4,278	117	3,584	46.33	2,585	127	3.79	60	108
Recreation and culture	0.86	2,169	55.14	1,564	151	2,143	62.13	1,546	170	2.26	99	113
Restaurants and hotels	0.74	2,089	38.67	1,507	106	1,773	50.81	1,279	139	1.87	85	131
Other consumption expenditure items	0.82	9,166	44.75	6,611	122	8,632	57.56	6,226	157	9.12	94	129
Individual Consumption Expenditure by Government	0.60	12,874	67.55	9,286	184	8,967	79.26	6,468	216	9.47	70	117
Collective Consumption Expenditure by Government	0.72	7,283	48.06	5,253	131	6,076	62.17	4,382	170	6.42	83	129
Gross Fixed Capital Formation	0.74	47,428	63.29	34,209	173	40,556	73.82	29,253	202	42.85	86	117
Machinery and equipment	1.00	6,465	57.47	4,663	157	7,479	63.18	5,394	173	7.90	116	110
Construction	0.57	43,267	64.72	31,208	177	28,311	78.23	20,421	214	29.92	65	121
Change in Inventories and Net Acquisitions of Valuables	0.76	1,935	43.01	1,396	117	1,693	57.45	1,221	157	1.79	88	134
Balance of Exports and Imports	0.87	1,643	70.11	1,185	191	1,643	70.11	1,185	191	1.74	100	100
Individual Consumption Expenditure by Households and NPISH	0.66	46,611	39.80	33,620	109	35,703	52.85	25,753	144	37.73	77	133
Government Final Consumption Expenditure	0.67	19,609	58.17	14,144	159	15,042	71.34	10,850	195	15.89	77	123
Actual Individual Consumption by Households ^a	0.67	57,692	42.96	41,613	117	44,670	56.64	32,220	155	47.20	77	132
All goods	0.77	21,720	39.41	15,667	108	19,324	51.19	13,938	140	20.42	89	130
Non-durables	0.68	16,025	35.66	11,558	97	12,567	47.29	9,064	129	13.28	78	133
Semi-durables	1.26	2,229	34.15	1,608	93	3,230	57.70	2,330	158	3.41	145	169
Durables	0.80	3,821	61.15	2,756	167	3,527	63.22	2,544	173	3.73	92	103
Services	0.60	23,753	40.05	17,133	109	16,379	55.03	11,814	150	17.31	69	137

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	0.87
Total Population (in million)	1386.40

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

People's Republic of China, 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	0.67	72,641	50.30	54,043	133	58,945	58.59	43,854	155	100.00	81	116
Actual Individual Consumption by Households ^a	0.65	32,179	40.45	23,940	107	25,294	49.92	18,818	132	42.91	79	123
Food and non-alcoholic beverages	0.69	5,744	32.04	4,273	85	4,753	40.35	3,536	107	8.06	83	126
Food	0.69	5,604	32.19	4,169	85	4,633	40.89	3,447	108	7.86	83	127
Bread and cereals	0.79	1,061	27.01	789	72	1,006	35.62	749	94	1.71	95	132
Meat and fish	0.65	1,953	47.57	1,453	126	1,537	53.53	1,144	142	2.61	79	113
Fruits and vegetables	0.59	1,666	35.73	1,239	95	1,187	45.86	883	122	2.01	71	128
Other food and non-alcoholic beverages	0.74	1,148	21.63	854	57	1,023	29.25	761	78	1.73	89	135
Clothing and footwear	1.03	1,410	43.00	1,049	114	1,748	60.74	1,301	161	2.97	124	141
Clothing	1.07	1,124	42.09	836	112	1,448	60.75	1,077	161	2.46	129	144
Housing, water, electricity, gas and other fuels	0.49	5,914	39.23	4,400	104	3,506	49.41	2,608	131	5.95	59	126
Health and education	0.50	10,502	49.18	7,814	130	6,339	65.51	4,716	174	10.75	60	133
Health	0.43	7,249	59.32	5,393	157	3,794	72.29	2,823	192	6.44	52	122
Education	0.57	3,709	38.11	2,760	101	2,545	57.48	1,893	152	4.32	69	151
Transportation and communication	0.63	3,090	36.65	2,299	97	2,337	38.42	1,738	102	3.96	76	105
Transportation	0.57	2,155	31.47	1,603	83	1,478	32.88	1,100	87	2.51	69	104
Recreation and culture	0.73	1,560	57.07	1,160	151	1,374	57.37	1,023	152	2.33	88	101
Restaurants and hotels	0.61	1,758	46.34	1,308	123	1,288	49.89	958	132	2.18	73	108
Other consumption expenditure items	0.75	4,376	38.31	3,256	102	3,949	47.35	2,938	126	6.70	90	124
Individual Consumption Expenditure by Government	0.53	7,953	65.75	5,917	174	5,042	74.30	3,751	197	8.55	63	113
Collective Consumption Expenditure by Government	0.68	4,524	44.62	3,366	118	3,686	56.06	2,742	149	6.25	81	126
Gross Fixed Capital Formation	0.70	31,892	63.83	23,727	169	26,872	69.72	19,992	185	45.59	84	109
Machinery and equipment	0.87	7,141	63.60	5,312	169	7,453	66.42	5,545	176	12.64	104	104
Construction	0.54	25,892	63.57	19,263	169	16,957	72.15	12,615	191	28.77	65	113
Change in Inventories and Net Acquisitions of Valuables	0.73	1,787	47.79	1,329	127	1,578	56.65	1,174	150	2.68	88	119
Balance of Exports and Imports	0.83	1,515	74.79	1,127	198	1,515	74.79	1,127	198	2.57	100	100
Individual Consumption Expenditure by Households and NPISH	0.65	25,675	37.30	19,101	99	20,252	46.15	15,067	122	34.36	79	124
Government Final Consumption Expenditure	0.61	11,941	54.93	8,884	146	8,728	65.33	6,493	173	14.81	73	119
Actual Individual Consumption by Households ^a	0.65	32,179	40.45	23,940	107	25,294	49.92	18,818	132	42.91	79	123
All goods	0.78	13,913	38.99	10,351	103	13,121	48.44	9,762	128	22.26	94	124
Non-durables	0.70	9,996	34.57	7,437	92	8,483	44.42	6,311	118	14.39	85	128
Semi-durables	1.07	1,924	44.59	1,431	118	2,483	59.43	1,847	158	4.21	129	133
Durables	0.85	2,108	54.98	1,569	146	2,155	56.50	1,603	150	3.66	102	103
Services	0.56	10,639	34.69	7,915	92	7,131	42.62	5,305	113	12.10	67	123

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	0.83
Total Population (in million)	1,344.13

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.