

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

Hong Kong, 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	1.00	2,663	1.15	360,247	587	2,663	1.79	360,247	916	100.00	100	156
Actual Individual Consumption by Households ^a	1.00	1,887	1.41	255,310	720	1,887	2.39	255,310	1,225	70.87	100	170
Food and non-alcoholic beverages	1.00	192	0.70	25,959	358	192	1.22	25,959	625	7.21	100	175
Food	1.00	180	0.68	24,354	346	180	1.20	24,354	612	6.76	100	177
Bread and cereals	1.00	19	0.34	2,525	172	19	0.54	2,525	279	0.70	100	162
Meat and fish	1.00	92	1.32	12,392	675	92	2.20	12,392	1,128	3.44	100	167
Fruits and vegetables	1.00	26	0.36	3,557	186	26	0.74	3,557	379	0.99	100	204
Other food and non-alcoholic beverages	1.00	55	0.68	7,484	351	55	1.21	7,484	620	2.08	100	177
Clothing and footwear	1.00	90	1.81	12,229	927	90	2.43	12,229	1,245	3.39	100	134
Clothing	1.00	59	1.45	8,043	742	59	2.02	8,043	1,034	2.23	100	139
Housing, water, electricity, gas and other fuels	1.00	295	1.30	39,868	665	295	2.74	39,868	1,406	11.07	100	211
Health and education	1.00	278	0.67	37,648	344	278	1.64	37,648	839	10.45	100	244
Health	1.00	157	0.65	21,294	335	157	1.75	21,294	895	5.91	100	267
Education	1.00	121	0.66	16,354	336	121	1.51	16,354	775	4.54	100	230
Transportation and communication	1.00	170	0.98	22,991	501	170	1.69	22,991	867	6.38	100	173
Transportation	1.00	125	0.91	16,963	466	125	1.62	16,963	830	4.71	100	178
Recreation and culture	1.00	194	4.94	26,263	2,528	194	5.63	26,263	2,882	7.29	100	114
Restaurants and hotels	1.00	167	3.09	22,555	1,581	167	4.78	22,555	2,446	6.26	100	155
Other consumption expenditure items	1.00	501	2.45	67,796	1,253	501	3.34	67,796	1,712	18.82	100	137
Individual Consumption Expenditure by Government	1.00	102	0.53	13,756	273	102	0.90	13,756	460	3.82	100	168
Collective Consumption Expenditure by Government	1.00	160	1.05	21,618	540	160	1.64	21,618	837	6.00	100	155
Gross Fixed Capital Formation	1.00	576	0.77	77,924	394	576	1.05	77,924	537	21.63	100	136
Machinery and equipment	1.00	161	1.43	21,838	735	161	1.36	21,838	698	6.06	100	95
Construction	1.00	360	0.54	48,761	276	360	1.00	48,761	510	13.54	100	185
Change in Inventories and Net Acquisitions of Valuables	1.00	11	0.24	1,485	125	11	0.37	1,485	191	0.41	100	153
Balance of Exports and Imports	1.00	29	1.23	3,910	632	29	1.23	3,910	632	1.09	100	100
Individual Consumption Expenditure by Households and NPISH	1.00	1,785	1.52	241,555	781	1,785	2.64	241,555	1,354	67.05	100	173
Government Final Consumption Expenditure	1.00	261	0.78	35,374	397	261	1.24	35,374	635	9.82	100	160
Actual Individual Consumption by Households ^a	1.00	1,887	1.41	255,310	720	1,887	2.39	255,310	1,225	70.87	100	170
All goods	1.00	641	1.16	86,686	595	641	1.70	86,686	869	24.06	100	146
Non-durables	1.00	322	0.72	43,557	367	322	1.21	43,557	621	12.09	100	169
Semi-durables	1.00	160	2.46	21,704	1,259	160	2.87	21,704	1,467	6.02	100	117
Durables	1.00	158	2.53	21,425	1,298	158	2.84	21,425	1,454	5.95	100	112
Services	1.00	1,061	1.79	143,607	917	1,061	3.57	143,607	1,826	39.86	100	199

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	1.00
Total Population (in million)	7.39

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

Hong Kong, 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	1.00	1,934	1.34	273,549	675	1,934	1.92	273,549	969	100.00	100	144
Actual Individual Consumption by Households ^a	1.00	1,289	1.62	182,347	817	1,289	2.55	182,347	1,283	66.66	100	157
Food and non-alcoholic beverages	1.00	137	0.77	19,439	387	137	1.17	19,439	588	7.11	100	152
Food	1.00	132	0.76	18,647	382	132	1.16	18,647	587	6.82	100	154
Bread and cereals	1.00	12	0.31	1,711	155	12	0.43	1,711	216	0.63	100	139
Meat and fish	1.00	74	1.81	10,484	910	74	2.58	10,484	1,301	3.83	100	143
Fruits and vegetables	1.00	16	0.35	2,330	178	16	0.64	2,330	321	0.85	100	180
Other food and non-alcoholic beverages	1.00	35	0.65	4,913	330	35	0.99	4,913	501	1.80	100	152
Clothing and footwear	1.00	60	1.83	8,474	922	60	2.08	8,474	1,050	3.10	100	114
Clothing	1.00	41	1.52	5,730	765	41	1.70	5,730	857	2.09	100	112
Housing, water, electricity, gas and other fuels	1.00	210	1.39	29,727	703	210	2.96	29,727	1,494	10.87	100	212
Health and education	1.00	183	0.86	25,924	433	183	1.89	25,924	955	9.48	100	221
Health	1.00	98	0.80	13,867	405	98	1.87	13,867	942	5.07	100	233
Education	1.00	85	0.88	12,057	442	85	1.93	12,057	971	4.41	100	220
Transportation and communication	1.00	117	1.39	16,518	698	117	1.92	16,518	968	6.04	100	139
Transportation	1.00	90	1.32	12,769	665	90	2.01	12,769	1,012	4.67	100	152
Recreation and culture	1.00	145	5.32	20,567	2,682	145	6.07	20,567	3,060	7.52	100	114
Restaurants and hotels	1.00	125	3.30	17,703	1,663	125	4.85	17,703	2,445	6.47	100	147
Other consumption expenditure items	1.00	311	2.72	43,994	1,373	311	3.73	43,994	1,880	16.08	100	137
Individual Consumption Expenditure by Government	1.00	65	0.54	9,203	271	65	0.96	9,203	483	3.36	100	178
Collective Consumption Expenditure by Government	1.00	103	1.02	14,627	514	103	1.57	14,627	793	5.35	100	154
Gross Fixed Capital Formation	1.00	455	0.91	64,383	459	455	1.18	64,383	595	23.54	100	130
Machinery and equipment	1.00	200	1.78	28,218	896	200	1.78	28,218	896	10.32	100	100
Construction	1.00	214	0.53	30,292	265	214	0.91	30,292	459	11.07	100	173
Change in Inventories and Net Acquisitions of Valuables	1.00	12	0.31	1,660	158	12	0.42	1,660	212	0.61	100	134
Balance of Exports and Imports	1.00	74	3.68	10,532	1,853	74	3.68	10,532	1,853	3.85	100	100
Individual Consumption Expenditure by Households and NPISH	1.00	1,224	1.78	173,144	897	1,224	2.79	173,144	1,406	63.30	100	157
Government Final Consumption Expenditure	1.00	169	0.78	23,830	391	169	1.26	23,830	636	8.71	100	163
Actual Individual Consumption by Households ^a	1.00	1,289	1.62	182,347	817	1,289	2.55	182,347	1,283	66.66	100	157
All goods	1.00	468	1.31	66,211	661	468	1.73	66,211	871	24.20	100	132
Non-durables	1.00	231	0.80	32,719	403	231	1.21	32,719	611	11.96	100	151
Semi-durables	1.00	108	2.51	15,328	1,266	108	2.59	15,328	1,308	5.60	100	103
Durables	1.00	128	3.35	18,164	1,688	128	3.37	18,164	1,698	6.64	100	101
Services	1.00	701	2.29	99,132	1,152	701	4.19	99,132	2,112	36.24	100	183

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	1.00
Total Population (in million)	7.07

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.