

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

Bangladesh, 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	4.95	4,272	1.84	26,401	43	2,047	1.38	12,654	32	100.00	48	75
Actual Individual Consumption by Households ^a	4.58	3,285	2.45	20,301	57	1,457	1.85	9,004	43	71.16	44	76
Food and non-alcoholic beverages	5.42	1,412	5.14	8,727	120	741	4.72	4,582	110	36.21	53	92
Food	5.38	1,415	5.31	8,748	124	738	4.90	4,563	115	36.07	52	92
Bread and cereals	6.17	551	9.92	3,407	232	329	9.61	2,036	225	16.09	60	97
Meat and fish	5.57	263	3.79	1,627	89	142	3.41	877	80	6.93	54	90
Fruits and vegetables	3.88	266	3.68	1,643	86	100	2.81	618	66	4.88	38	77
Other food and non-alcoholic beverages	5.74	306	3.78	1,889	88	170	3.72	1,051	87	8.31	56	98
Clothing and footwear	5.74	156	3.13	967	73	87	2.34	538	55	4.25	56	75
Clothing	5.55	144	3.51	891	82	78	2.63	479	62	3.79	54	75
Housing, water, electricity, gas and other fuels	3.30	743	3.27	4,591	77	238	2.21	1,469	52	11.61	32	68
Health and education	2.66	516	1.24	3,190	29	133	0.78	823	18	6.51	26	63
Health	2.47	218	0.90	1,345	21	52	0.58	322	14	2.55	24	64
Education	2.80	298	1.62	1,845	38	81	1.02	501	24	3.96	27	63
Transportation and communication	5.07	137	0.79	848	18	67	0.67	417	16	3.29	49	85
Transportation	5.16	121	0.88	747	21	60	0.78	374	18	2.95	50	89
Recreation and culture	6.34	38	0.96	233	22	23	0.67	143	16	1.13	61	70
Restaurants and hotels	4.76	72	1.34	447	31	33	0.96	206	22	1.63	46	71
Other consumption expenditure items	5.42	254	1.24	1,570	29	134	0.89	825	21	6.52	53	72
Individual Consumption Expenditure by Government	3.51	81	0.43	502	10	28	0.24	171	6	1.35	34	57
Collective Consumption Expenditure by Government	4.60	222	1.47	1,374	34	99	1.01	612	24	4.84	45	69
Gross Fixed Capital Formation	6.10	1,070	1.43	6,616	33	633	1.15	3,909	27	30.90	59	81
Machinery and equipment	12.49	153	1.36	946	32	185	1.57	1,145	37	9.05	121	115
Construction	3.59	1,276	1.91	7,884	45	444	1.23	2,743	29	21.68	35	64
Change in Inventories and Net Acquisitions of Valuables	5.77	6	0.13	35	3	3	0.11	20	3	0.15	56	85
Balance of Exports and Imports	10.32	-144	-6.16	-892	-144	-144	-6.16	-892	-144	-7.05	100	100
Individual Consumption Expenditure by Households and NPISH	4.73	3,120	2.66	19,282	62	1,429	2.12	8,833	49	69.81	46	79
Government Final Consumption Expenditure	4.11	318	0.94	1,966	22	127	0.60	783	14	6.19	40	64
Actual Individual Consumption by Households ^a	4.58	3,285	2.45	20,301	57	1,457	1.85	9,004	43	71.16	44	76
All goods	6.02	1,893	3.43	11,698	80	1,103	2.92	6,819	68	53.89	58	85
Non-durables	5.31	1,845	4.11	11,403	96	950	3.57	5,870	84	46.39	51	87
Semi-durables	6.18	172	2.63	1,062	62	103	1.84	636	43	5.02	60	70
Durables	9.44	55	0.89	342	21	51	0.91	313	21	2.48	91	102
Services	3.66	849	1.43	5,246	33	301	1.01	1,859	24	14.69	35	71

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	10.32
Total Population (in million)	161.80

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

Bangladesh, 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	4.47	2,203	1.53	14,715	36	1,035	1.03	6,911	24	100.00	47	67
Actual Individual Consumption by Households ^a	4.22	1,762	2.21	11,770	53	780	1.54	5,212	37	75.42	44	70
Food and non-alcoholic beverages	5.22	723	4.03	4,831	96	396	3.36	2,645	80	38.27	55	83
Food	5.17	727	4.17	4,855	99	394	3.48	2,634	83	38.12	54	83
Bread and cereals	5.83	287	7.32	1,920	174	176	6.23	1,176	148	17.01	61	85
Meat and fish	5.71	126	3.07	843	73	76	2.63	505	63	7.30	60	86
Fruits and vegetables	3.25	157	3.37	1,049	80	54	2.07	358	49	5.18	34	62
Other food and non-alcoholic beverages	5.71	151	2.85	1,012	68	91	2.60	607	62	8.78	60	91
Clothing and footwear	6.13	73	2.22	487	53	47	1.63	313	39	4.53	64	73
Clothing	6.34	63	2.36	420	56	42	1.76	280	42	4.05	67	75
Housing, water, electricity, gas and other fuels	2.85	451	2.99	3,010	71	135	1.90	900	45	13.02	30	64
Health and education	2.22	305	1.43	2,040	34	71	0.74	475	18	6.88	23	51
Health	2.31	118	0.96	786	23	29	0.54	190	13	2.76	24	56
Education	2.15	189	1.95	1,265	46	43	0.96	285	23	4.12	23	50
Transportation and communication	5.42	64	0.76	429	18	37	0.60	244	14	3.53	57	79
Transportation	6.01	52	0.76	347	18	33	0.73	219	17	3.17	63	96
Recreation and culture	7.41	7	0.27	48	6	6	0.24	38	6	0.55	78	89
Restaurants and hotels	4.51	37	0.99	250	23	18	0.69	118	16	1.71	47	70
Other consumption expenditure items	3.99	171	1.49	1,140	36	72	0.86	478	20	6.92	42	57
Individual Consumption Expenditure by Government	2.77	51	0.42	340	10	15	0.22	99	5	1.43	29	52
Collective Consumption Expenditure by Government	3.76	95	0.94	636	22	38	0.57	251	14	3.64	39	61
Gross Fixed Capital Formation	5.19	529	1.06	3,535	25	288	0.75	1,926	18	27.87	54	71
Machinery and equipment	8.34	73	0.65	487	15	64	0.57	426	14	6.16	88	88
Construction	3.41	604	1.48	4,032	35	216	0.92	1,443	22	20.89	36	62
Change in Inventories and Net Acquisitions of Valuables	5.37	14	0.37	93	9	8	0.28	53	7	0.76	56	76
Balance of Exports and Imports	9.53	-80	-3.93	-531	-93	-80	-3.93	-531	-93	-7.69	100	100
Individual Consumption Expenditure by Households and NPISH	4.38	1,665	2.42	11,122	58	765	1.74	5,113	42	73.99	46	72
Government Final Consumption Expenditure	3.34	150	0.69	1,000	16	52	0.39	350	9	5.07	35	57
Actual Individual Consumption by Households ^a	4.22	1,762	2.21	11,770	53	780	1.54	5,212	37	75.42	44	70
All goods	5.65	997	2.79	6,657	66	591	2.18	3,947	52	57.11	59	78
Non-durables	4.78	1,012	3.50	6,757	83	508	2.66	3,394	63	49.11	50	76
Semi-durables	6.66	79	1.84	530	44	55	1.33	371	32	5.36	70	72
Durables	10.79	24	0.63	161	15	27	0.72	182	17	2.64	113	114
Services	3.15	486	1.58	3,245	38	160	0.96	1,072	23	15.51	33	61

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	9.53
Total Population (in million)	149.70

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.