

Intra country validation and extrapolation of the data collected 2019-2020-2021 for the I quarter 2021

September 2021

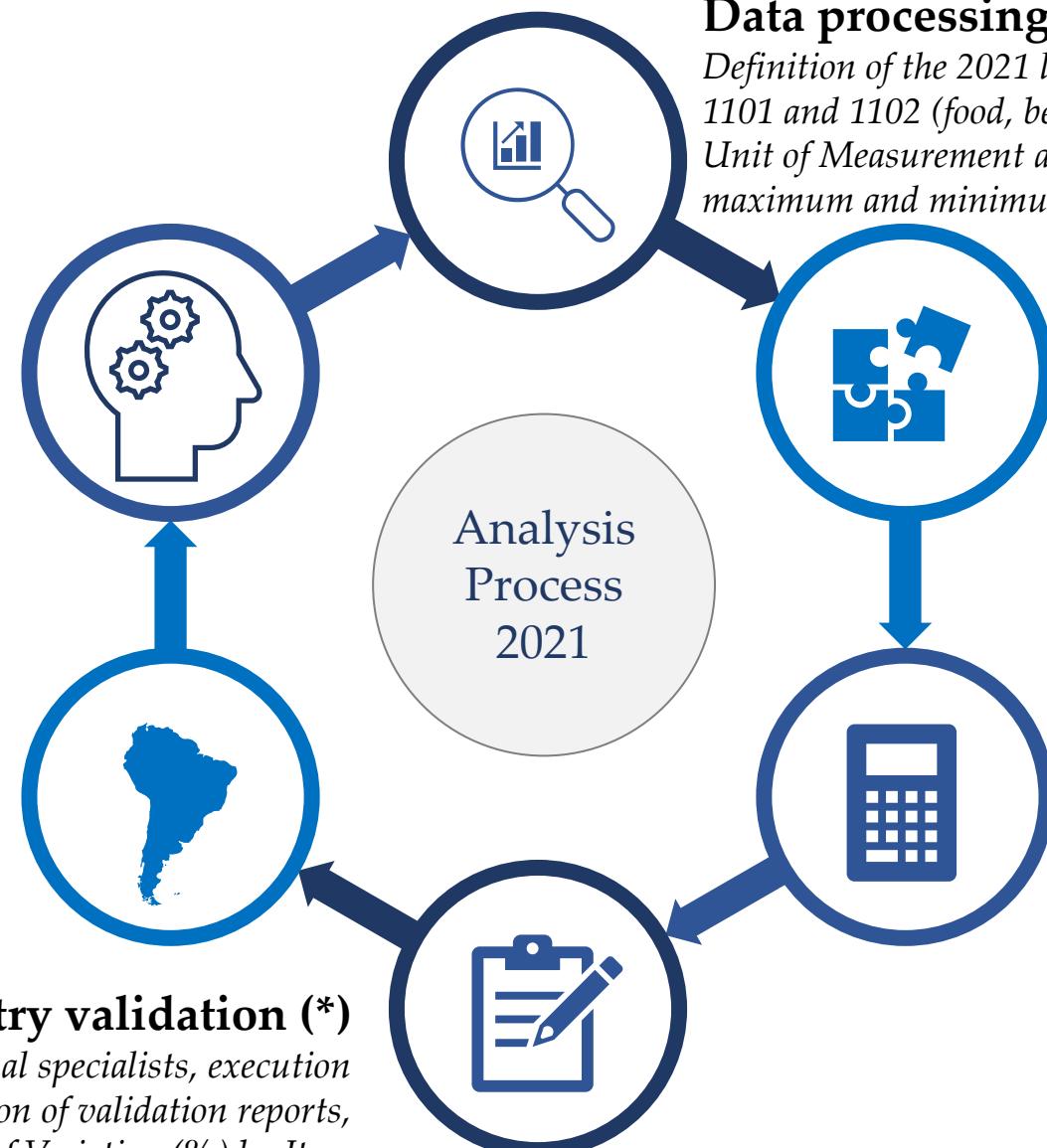


E C L A C

Lady Viviana Infante
Statistics Division

Economic Commission for Latin America and the Caribbean

Price analysis process 2021



Data processing and cleaning (*)

Definition of the 2021 list, approval of lists, selection of items of division 1101 and 1102 (food, beverages and tobacco), review of specifications Unit of Measurement and Quantities (required and observed), maximum and minimum limits.

Analysis of results

Analysis of results obtained in the Quaranta table and iterative review

Cross-country validation

Execution and calculation of Quarantas tables, Average prices in USD, Coefficients of variation (%), Price Indices, Calculation of Parities

Intra-country validation (*)

Exchange between focal points and national specialists, execution of macros in Excel spreadsheets, generation of validation reports, review of Coefficients of Variation (%) by Item

ICP - CPI Correspondences

Elaboration of code correspondences between the PCI (Item Code), and the CPI (COIPCOP Cod) at the most disaggregated level of detail for each country.

Calculation of factors

*Coefficient calculated from the CPI, generation of factors by Item Code.
Q1 Factor - IPC_(2021 / 2020)
Q1 Factor - IPC_(2021 / 2019)*

() Process carried out jointly with national specialists*

Selection of Items by country and collection period.

Division 1101 and 1102 – Food, Beverage and Tobacco

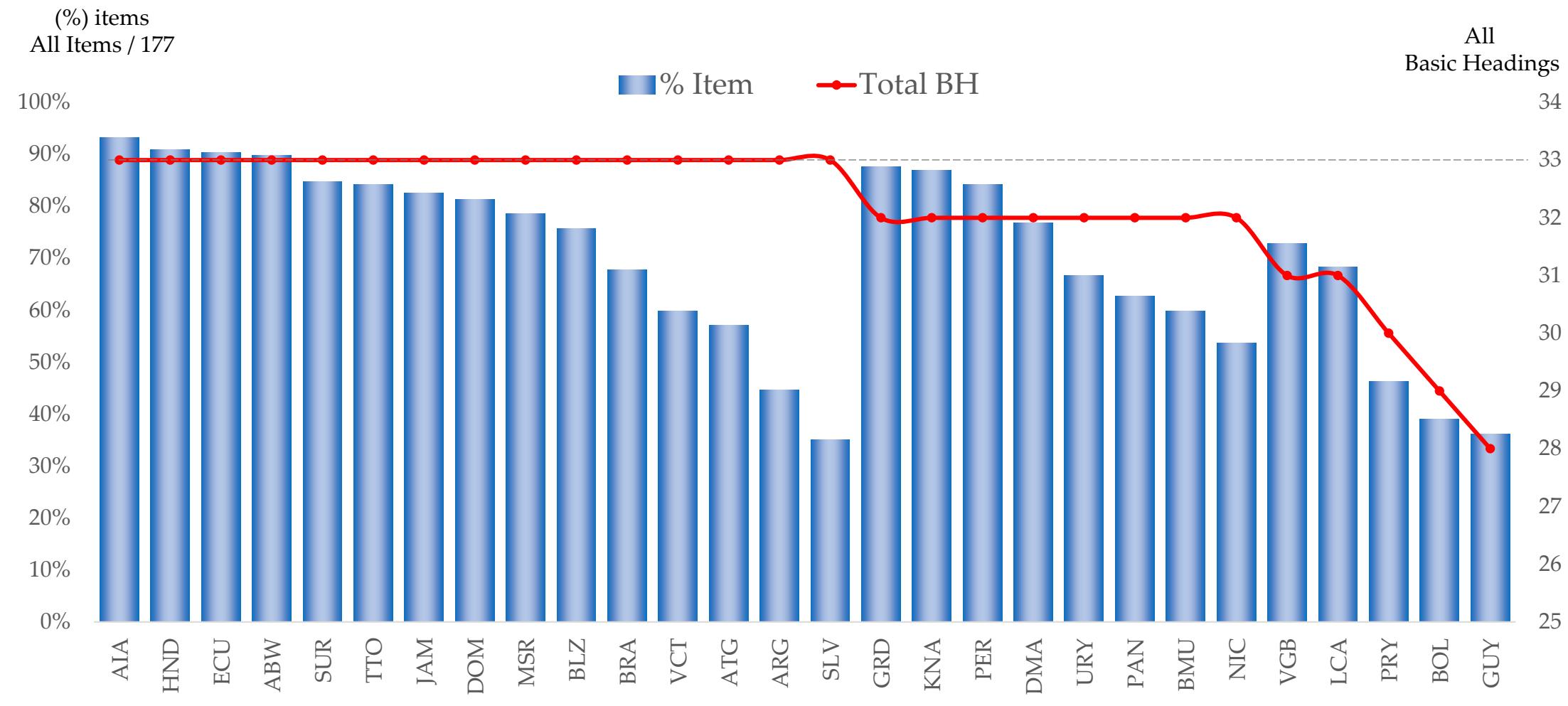
Country	Q1-2019		Q1-2020		Q1-2021		Total		Country	Q1-2019		Q1-2020		Q1-2021		Total			
	Total	Obs	Ítems	Obs	Ítems	Obs	Ítems	Obs	Ítems	Total	Obs	Ítems	Obs	Ítems	Obs	Ítems	Obs	Ítems	
ABW	18	6	-			413	153	431	159	JAM	85	85	-			183	61	268	146
AIA	-	-	-			2129	165	2129	165	KNA	-	-	-			230	154	230	154
ARG	-	-	-			79	79	79	79	LCA	288	105	-			38	16	326	121
ATG	-	-	-			472	101	472	101	MSR	-	-	139	139	-	-	-	139	139
BLZ	39	11	-			945	123	984	134	NIC	-	-	-			1828	95	1828	95
BMU	-	-	-			248	106	248	106	PAN	881	111	-			-	-	881	111
BOL	126	7	-			681	62	807	69	PER	-	-	-			11149	149	11149	149
BRA	27616	120	-			-		27616	120	PRY	1460	82	-			-	-	1460	82
DMA	-	-	-			369	136	369	136	SLV	539	31	-			3211	31	3750	62
DOM	564	4	-			29529	140	30093	144	SUR	11	4	-			1049	146	1060	150
ECU	554	68	72	10		1322	82	1948	160	TTO	1056	149	-			-	-	1056	149
GRD	25	9	-			522	146	547	155	URY	-	-	-			8715	118	8715	118
GUY	-	-	-			606	64	606	64	VCT	311	106	-			-	-	311	106
HND	130	25	30	5		131	131	291	159	VGB	-	-	-			685	129	685	129

Source: ECLAC

(*) Does not contain deleted observations "E"

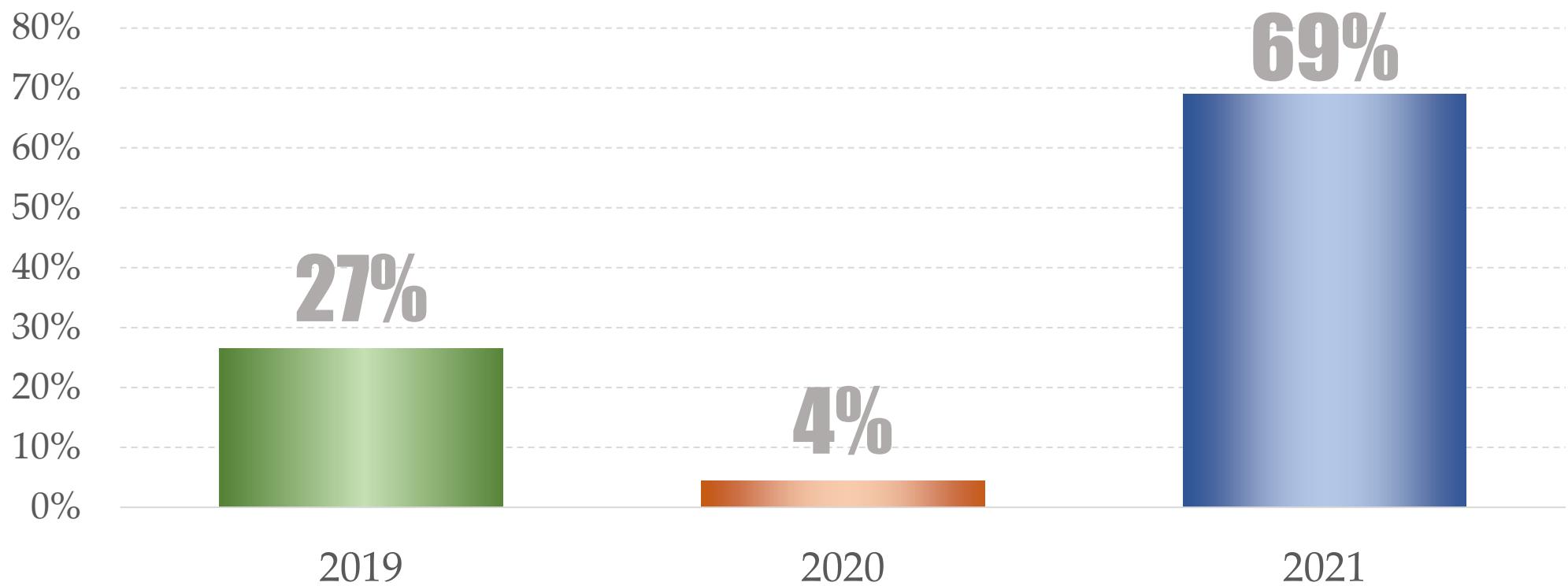


Item coverage by country by basic heading Food, beverages and tobacco (1101 and 1102)



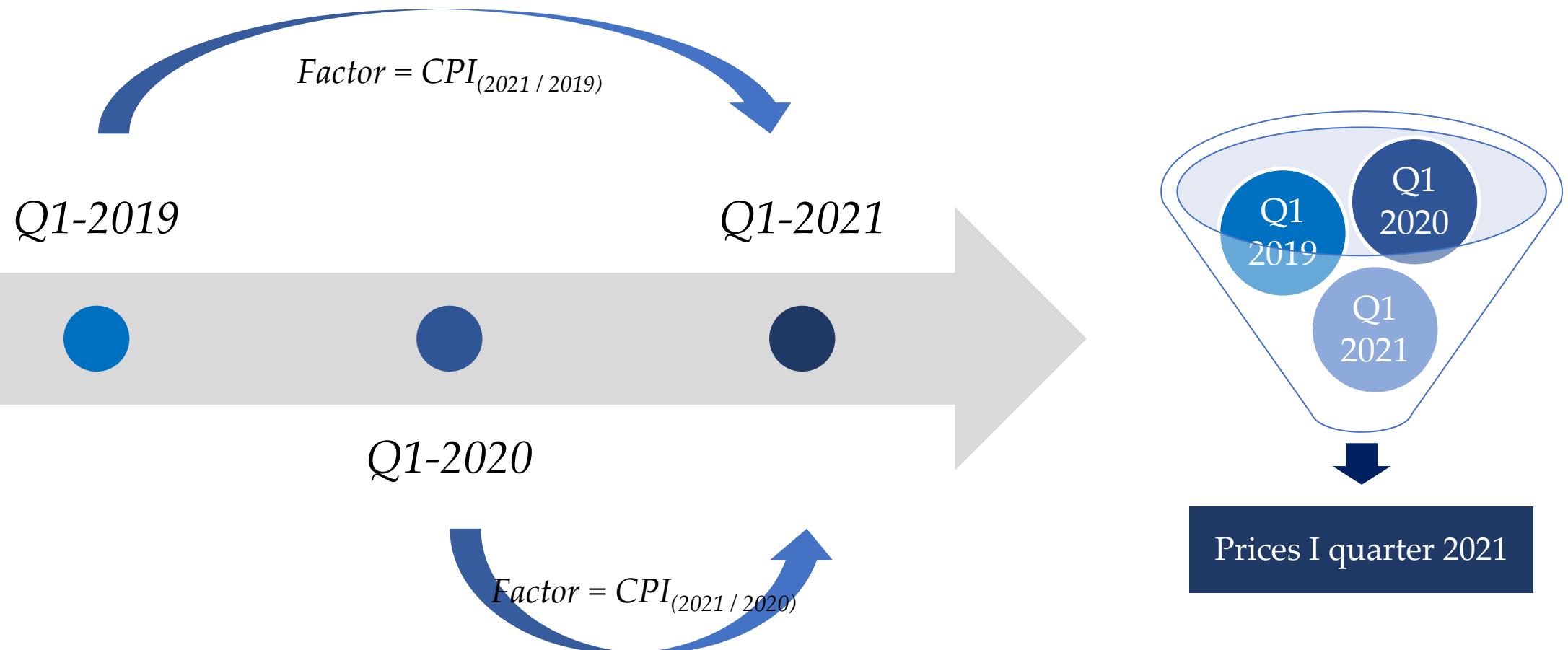
Source: ECLAC

Average coverage (%) of items selected per year



Source: ECLAC

Price extrapolation process



It was made with the CPIs at the highest level of detail.

The CPI at the most disaggregated level available provided by the countries was used to calculate the factor most in line with the item.