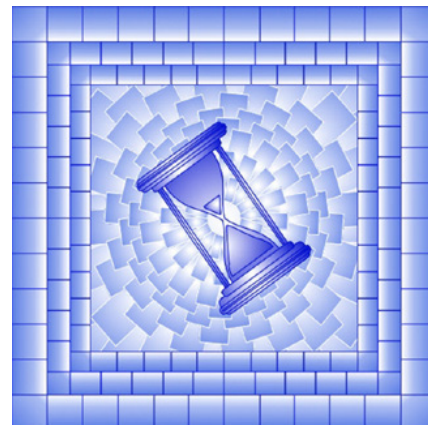


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Technical Supplement for the November 2020 Consumer Price Index



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Beginning in April 2020, the collection and compilation of the Consumer Price Index (CPI) have been impacted by measures designed to limit the spread of COVID-19, as in-person field collection was conducted remotely, and imputation strategies were required to address an increased number of temporary business closures and out-of-stock products. These strategies were implemented according to international guidelines, and following consultation with other national statistical organizations.

Where outlets remained temporarily closed, items were out of stock at a higher rate than usual or products and services remained unavailable for consumption, the imputation treatments for the November CPI were the same as those used in April through October.¹

Tables reflecting product and outlet availability (Table 1), imputation donors for unavailable products and services (Table 2) and CPI sub-components with an out-of-stock rate above 30% (Table 3) have been updated to reflect November data.

Table 1
Consumer Price Index product and outlet availability, field, scanner and web scraped data collection modes, November 2020 and November 2019

	Basket weight at link month (%)	Average rate of out of stock product offerings (%)		Average rate of temporarily closed outlets (%)		Average rate of prices received as scheduled (%)	
		November				2020	2019
		2020	2019	2020	2019		
Total	100.00	10.4	4.0	1.3	0.0	88.4	95.9
Food and non-alcoholic beverages	16.48	9.6	1.9	0.4	0.0	90.0	98.1
Shelter	27.36	6.7	1.3	0.6	0.0	92.7	98.7
Household operations, furnishings and equipment	12.80	11.4	5.0	0.7	0.0	87.8	94.9
Clothing and footwear	5.17	9.9	13.2	3.9	0.1	86.3	86.7
Transportation	19.95	0.0	0.0	0.0	0.0	100.0	100.0
Health and personal care	4.79	18.6	3.9	2.7	0.0	78.7	96.1
Recreation, education and reading	10.24	11.6	7.3	1.0	0.0	87.4	92.7
Alcoholic beverages, tobacco products and recreational cannabis	3.21	8.4	2.6	6.7	0.0	84.9	97.4

Source: Consumer Prices program.

1. Imputation treatments for the CPI in a given reference month are outlined in the technical supplements for [April](#), [May](#), [June](#), [July](#), [August](#), [September](#) and [October](#) 2020.

Table 2
Imputation donors for select products and services unavailable, or partially unavailable for consumption in September, October and November 2020¹

		Affected sub-component basket weight at link month (%)	Imputation donor	Affected geography
September 2020				
Transportation	Air transportation	0.35	Affected sub-components imputed from parent, air transportation	All
	Recreational services	0.13	All-items	All
Recreation, education and reading	Travel tours	1.21	All-items	All
	Spectator entertainment (excluding video and audio subscription services)	0.26	All-items	All
October 2020				
Transportation	Air transportation	0.35	Affected sub-components imputed from parent, air transportation	All
	Recreational services	0.13	All-items	All
Recreation, education and reading	Travel tours	1.21	All-items	All
	Spectator entertainment (excluding video and audio subscription services)	0.31	All-items	All
	Use of recreational facilities and services	0.08	All items	Que., Parts of Ontario, including Ottawa and Toronto
Alcoholic beverages, tobacco products and recreational cannabis	Beer served in licensed establishments	0.06	Beer purchased from stores	Que.
	Wine served in licensed establishments	0.03	Wine purchased from stores	Que.
	Liquor served in licensed establishments	0.01	Liquor purchased from stores	Que.
November 2020				
Transportation	Air transportation	0.35	Affected sub-components imputed from parent, air transportation	All
	Recreational services	0.13	All-items	All
Recreation, education and reading	Travel tours	1.21	All-items	All
	Spectator entertainment (excluding video and audio subscription services)	0.30	All-items	All
	Use of recreational facilities and services	0.08	All items	Que., Parts of Ontario, including Toronto
Alcoholic beverages, tobacco products and recreational cannabis	Beer served in licensed establishments	0.06	Beer purchased from stores	Que.
	Wine served in licensed establishments	0.03	Wine purchased from stores	Que.
	Liquor served in licensed establishments	0.01	Liquor purchased from stores	Que.

1. Imputation treatments for the CPI in a given reference month are outlined in the technical supplements for [April](#), [May](#), [June](#), [July](#), [August](#), [September](#) and [October](#) 2020.
 Source: Consumer Prices program.

No CPI sub-components were subject to an out-of-stock rate above 30% in November 2020.

Table 3
CPI sub-components with an out-of-stock rate above 30%, November 2020

Sub-component	Basket weight at link month (%)
...	...

... Not applicable

Source: Consumer Prices program.

Additional questions about how the CPI accounts for outlets remaining temporarily closed, items out of stock at a higher rate than usual, or products and services remaining unavailable for consumption due to COVID-19, can be directed to statcan.cpdisseminationunit-dpcunitedediffusion.statcan@canada.ca.