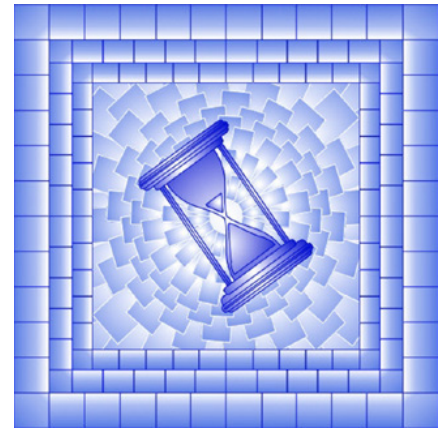


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Technical Supplement for the July 2020 Consumer Price Index



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Technical Supplement for the July 2020 Consumer Price Index

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.

During the July 2020 reference month, the economy continued to reopen across Canada. 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 July CPI were the same as those used in April, May and June.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 July data.

Table 1
Consumer Price Index product and outlet availability, field, scanner and web scraped data collection modes, July 2020 and July 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 (%)	
		July				2020	2019
		2020	2019	2020	2019		
Total	100.00	10.5	4.8	1.5	0.1	88.0	95.0
Food and non-alcoholic beverages	16.48	8.9	1.7	0.3	0.0	90.7	98.3
Shelter	27.36	5.9	1.8	0.7	0.1	93.4	98.1
Household operations, furnishings and equipment	12.80	14.9	5.2	1.0	0.1	84.1	94.7
Clothing and footwear	5.17	11.6	18.5	4.5	0.2	83.8	81.3
Transportation	19.95	0.9	0.4	2.0	1.2	97.1	98.3
Health and personal care	4.79	19.4	3.0	1.7	0.1	78.8	96.9
Recreation, education and reading	10.24	12.1	7.7	6.8	0.3	81.1	92.0
Alcoholic beverages, tobacco products and recreational cannabis	3.21	7.8	3.1	3.3	0.3	88.9	96.6

Source: Consumer Prices program.

1. Imputation treatments for the April 2020 CPI are outlined in the [Technical Supplement for the April 2020 CPI](#). May imputation treatments are outlined in [Technical Supplement for the May 2020 CPI](#). June imputation treatments are outlined in [Technical Supplement for the June 2020 CPI](#).

Table 2
Imputation donors for select products and services unavailable, or partially unavailable for consumption in April, May, June and July 2020

Sub-component	Affected sub-component basket weight at link month (%)	Imputation donor	Affected geography	Affected sub-component basket weight at link month (%)	Imputation Donor	Affected geography	Affected sub-component basket weight at link month (%)	Imputation Donor	Affected geography	Affected sub-component basket weight at link month (%)	Imputation Donor	Affected geography
		April 2020			May 2020			June 2020			July 2020	
Household operations, furnishings and equipment												
Child care services	0.15	All-items	All	...	...	...	...	...	...	...	...	...
Housekeeping services	0.31	All-items	All	...	...	...	...	...	...	...	...	...
Transportation												
Air transportation	0.35	Affected sub-components imputed from parent, air transportation	All	0.35	Affected sub-components imputed from parent, air transportation	All	0.35	Affected sub-components imputed from parent, air transportation	All	0.35	Affected sub-components imputed from parent, air transportation	All
Health and personal care												
Personal care services	0.93	All-items	All	0.61	All-items	NL, NS, QC, ON, Whitehorse, Iqaluit	0.13	All-items	Select geographic strata within ON, Iqaluit	...	...	...
Recreation												
Recreational services	0.13	All-items	All	0.13	All-items	All	0.13	All-items	All	0.13	All-items	All
Travel tours	1.21	All-items	All	1.21	All-items	All	1.21	All-items	All	1.21	All-items	All
Spectator entertainment (excluding video and audio subscription services)	0.35	All-items	All	0.35	All-items	All	0.35	All-items	All	0.27	All-items	All
Use of recreational facilities and services	0.62	All-items	All	0.45	All-items	All	0.17	All-items	NL, QC, ON, MB, SK	...	...	...

Table 2
Imputation donors for select products and services unavailable, or partially unavailable for consumption in April, May, June and July 2020

Sub-component	Affected sub-component basket weight at link month (%)			Affected sub-component basket weight at link month (%)			Affected sub-component basket weight at link month (%)			Affected sub-component basket weight at link month (%)		
	Imputation donor	Affected geography	Affected geography	Imputation Donor	Affected geography	Affected geography	Imputation Donor	Affected geography	Affected geography	Imputation Donor	Affected geography	Affected geography
	April 2020			May 2020			June 2020			July 2020		
Alcoholic beverages, tobacco products and recreational cannabis												
Beer served in licensed establishments	0.34	Beer purchased from stores	All	0.23	Beer purchased from stores	NL, PE, NS, QC, ON, SK, Whitehorse, Yellowknife, Iqaluit	0.10	Beer purchased from stores		Beer purchased from stores	Select geographic strata within QC and ON, Iqaluit	...
Wine served in licensed establishments	0.13	Wine purchased from stores	All	0.09	Wine purchased from stores	NL, PE, NS, QC, ON, SK, Whitehorse, Yellowknife, Iqaluit	0.04	Wine purchased from stores		Wine purchased from stores	Select geographic strata within QC and ON, Iqaluit	...
Liquor served in licensed establishments	0.19	Liquor purchased from stores	All	0.12	Liquor purchased from stores	NL, PE, NS, QC, ON, SK, Whitehorse, Yellowknife, Iqaluit	0.06	Liquor purchased from stores		Liquor purchased from stores	Select geographic strata within QC and ON, Iqaluit	...

Source: Consumer Prices program.

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

Sub-component	Basket weight at link month (%)
Non-prescribed medicines	0.46
Other fresh or frozen poultry meat	0.11

Source: Consumer Prices program.