

## 1. Cigarette Use Variables for PATH Youth Data (Wave 2)

This dictionary includes variables of cigarettes and e-cigarettes (e-products) use that can be used for empirical and Markov transition analyses.

**Note about missing values for all indicators:** In PATH, many of the questions depend on the ability to classify individuals by tobacco product use status, any respondents who are unable (“Don’t Know”) or unwilling (“Refused”) to provide an answer or requested their data to be removed should be excluded from the calculation of the indicators below.

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### UMp1\_W2\_Y\_NVR\_CIGS: Youth never smoker

**Description:** Youth who have never smoked a cigarette (even one or two puffs) in their entire lifetimes.

**Numerator:** Number of respondents who have never smoked a cigarette in their lifetimes

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
0 = No	1,428	11.73
1 = Yes	10,720	88.07
Missing	24	0.20
Total	12,172	100.00

*This variable has 12,148 valid cases out of 12,172 total cases.*

**Missing values:** See note about missing values for all indicators.

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### UMp1\_W2\_Y\_100cigs: Youth established cigarette smoker

**Description:** Youth who have smoked at least 100 or more cigarettes (5 packs or more) in their entire lifetimes.

**Numerator:** Number of respondents who have smoked  $\geq 100$  cigarettes in their lifetimes

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
0 = No	11,884	97.63 %
1 = Yes	250	2.05 %
Missing	38	0.31 %
Total	12,172	100 %

*This variable has 12,134 valid cases out of 12,172 total cases.*

**Missing values:** See note about missing values for all indicators

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### UMp1\_W2\_Y\_cigs\_30day: In the past 30 days, number of days smoked cigarettes

**Description:** Number of days a respondent smoked cigarettes in the past 30 days

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Numerator:** Respondents who have ever smoked a cigarette and smoked cigarettes in the past 30 days

**Denominator:** Total number of respondents<sup>1</sup>

- Mean: 0.45
- Median: 0.00
- Mode: 0
- Minimum: 0
- Maximum: 30
- Standard deviation: 3.20
- Never smoked or did not smoke in the past 30 days: 11,671
- Missing: 31

*This variable has 12,141 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_1past30: Youth cigarette smoking status – smoked at least 1 day in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 1 day in the past 30 days) among all respondents.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = User who did not smoke in the past 30 days	939	7.71
3 = User who smoked under 1 day in the past 30 days	0	0.00
4 = User who smoked 1 or more days in the past 30 days	470	3.86
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_5past30: Youth cigarette smoking status – smoked at least 5 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 5 days in the past 30 days) among all respondents.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = User who did not smoke in the past 30 days	939	7.71

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

3 = User who smoked under 5 days in the past 30 days	220	1.81
4 = User who smoked 5 or more days in the past 30 days	250	2.05
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_smkstat\_10past30: Youth cigarette smoking status – smoked at least 10 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 10 days in the past 30 days) among all respondents.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = User who did not smoke in the past 30 days	939	7.71
3 = User who smoked under 10 days in the past 30 days	277	2.28
4 = User who smoked 10 or more days in the past 30 days	193	1.59
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_smkstat\_15past30: Youth cigarette smoking status – smoked at least 15 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 15 days in the past 30 days) among all respondents.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = User who did not smoke in the past 30 days	939	7.71
3 = User who smoked under 15 days in the past 30 days	302	2.48
4 = User who smoked 15 or more days in the past 30 days	168	1.38
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_smkstat\_20past30: Youth cigarette smoking status – smoked at least 20 days in the past 30 days**

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Description:** Current use status (smoked cigarettes at least 20 days in the past 30 days) among all respondents.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = User who did not smoke in the past 30 days	939	7.71
3 = User who smoked under 20 days in the past 30 days	325	2.67
4 = User who smoked 20 or more days in the past 30 days	145	1.69
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_25past30: Youth cigarette smoking status – smoked at least 25 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 25 days in the past 30 days) among all respondents.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = User who did not smoke in the past 30 days	939	7.71
3 = User who smoked under 25 days in the past 30 days	348	2.86
4 = User who smoked 25 or more days in the past 30 days	122	1.00
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_30past30: Youth cigarette smoking status – smoked at least 30 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 30 days in the past 30 days) among all respondents.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = User who did not smoke in the past 30 days	939	7.71
3 = User who smoked under 30 days in the past 30 days	374	3.07

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

4 = User who smoked 30 days in the past 30 days	96	0.79
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_smkstat\_Reg\_1past30: Youth cigarette smoking status – smoked at least 1 day in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 1 day in the past 30 days) among all respondents who are established smokers (smoked ≥ 100 cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never established user	11,884	97.63
2 = Established user who didn't smoke in the past 30 days	50	0.41
3 = Established user who smoked under 1 day in the past 30 days	0	0.00
4 = Established user who smoked 1 or more days in the past 30 days	195	1.60
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_smkstat\_Reg\_5past30: Youth cigarette smoking status – smoked at least 5 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 5 days in the past 30 days) among all respondents who are established smokers (smoked ≥ 100 cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never established user	11,884	97.63
2 = Established user who didn't smoke in the past 30 days	50	0.41
3 = Established user who smoked under 5 days in the past 30 days	25	0.21
4 = Established user who smoked 5 or more days in the past 30 days	170	1.40
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**UMp1\_W2\_Y\_smkstat\_Reg\_10past30: Youth cigarette smoking status – smoked at least 10 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 10 days in the past 30 days) among all respondents who are established smokers (smoked  $\geq$  100 cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never established user	11,884	97.63
2 = Established user who didn't smoke in the past 30 days	50	0.41
3 = Established user who smoked under 10 days in the past 30 days	42	0.35
4 = Established user who smoked 10 or more days in the past 30 days	153	1.26
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_Reg\_15past30: Youth cigarette smoking status – smoked at least 15 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 15 days in the past 30 days) among all respondents who are established smokers (smoked  $\geq$  100 cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never established user	11,884	97.63
2 = Established user who didn't smoke in the past 30 days	50	0.41
3 = Established user who smoked under 15 days in the past 30 days	55	0.45
4 = Established user who smoked 15 or more days in the past 30 days	140	1.15
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_Reg\_20past30: Youth cigarette smoking status – smoked at least 20 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 20 days in the past 30 days) among all respondents who are established smokers (smoked  $\geq$  100 cigarettes in their lifetimes).

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never established user	11,884	97.63
2 = Established user who didn't smoke in the past 30 days	50	0.41
3 = Established user who smoked under 20 days in the past 30 days	69	0.57
4 = Established user who smoked 20 or more days in the past 30 days	126	1.04
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_Reg\_25past30: Youth cigarette smoking status – smoked at least 25 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 25 days in the past 30 days) among all respondents who are established smokers (smoked ≥ 100 cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never established user	11,884	97.63
2 = Established user who didn't smoke in the past 30 days	50	0.41
3 = Established user who smoked under 25 days in the past 30 days	88	0.72
4 = Established user who smoked 25 or more days in the past 30 days	107	0.88
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_Reg\_30past30: Youth cigarette smoking status – smoked every day in the past 30 days**

**Description:** Current use status (smoked cigarettes every day in the past 30 days) among all respondents who are established smokers (smoked ≥ 100 cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never established user	11,884	97.63

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

2 = Established user who didn't smoke in the past 30 days	50	0.41
3 = Established user who smoked under 30 days in the past 30 days	108	0.89
4 = Established user who smoked 30 days in the past 30 days	87	0.71
Missing	43	0.35
Total	12,172	100.00

*This variable has 12,129 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_Exp\_1past30: Youth cigarette smoking status (experimental and established smoker) - smoked at least 1 day in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 1 day in the past 30 days) among all respondents who are established (smoked  $\geq 100$  cigarettes in their lifetimes) and experimental smokers (have not smoked  $\geq 100$  cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = Non-current experimental user	883	7.25
3 = Non-current established user	50	0.41
4 = Experimental user who smoked under 1 day in the past 30 days	0	0.00
5 = Established user who smoked under 1 day in the past 30 days	0	0.00
6 = Experimental user who smoked 1 or more days in the past 30 days	271	2.23
7 = Established user who smoked 1 or more days in the past 30 days	195	1.60
Missing	53	0.44
Total	12,172	100.00

*This variable has 12,119 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_Exp\_5past30: Youth cigarette smoking status (experimental and established smoker) - smoked at least 5 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 5 days in the past 30 days) among all respondents who are established (smoked  $\geq 100$  cigarettes in their lifetimes) and experimental smokers (have not smoked  $\geq 100$  cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

<sup>1</sup>Those responses that are "not valid" are described for each indicator under "missing values."



Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = Non-current experimental user	883	7.25
3 = Non-current established user	50	0.41
4 = Experimental user who smoked under 5 days in the past 30 days	192	1.58
5 = Established user who smoked under 5 days in the past 30 days	25	0.21
6 = Experimental user who smoked 5 or more days in the past 30 days	79	0.65
7 = Established user who smoked 5 or more days in the past 30 days	170	1.40
Missing	53	0.44
Total	12,172	100.00

*This variable has 12,119 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_Exp\_10past30: Youth cigarette smoking status (experimental and established smoker) - smoked at least 10 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 10 days in the past 30 days) among all respondents who are established (smoked ≥ 100 cigarettes in their lifetimes) and experimental smokers (have not smoked ≥ 100 cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = Non-current experimental user	883	7.25
3 = Non-current established user	50	0.41
4 = Experimental user who smoked under 10 days in the past 30 days	232	1.91
5 = Established user who smoked under 10 days in the past 30 days	42	0.35
6 = Experimental user who smoked 10 or more days in the past 30 days	39	0.32
7 = Established user who smoked 10 or more days in the past 30 days	153	1.26
Missing	53	0.44
Total	12,172	100.00

*This variable has 12,119 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_Exp\_15past30: Youth cigarette smoking status (experimental and established smoker) - smoked at least 15 days in the past 30 days**

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Description:** Current use status (smoked cigarettes at least 15 days in the past 30 days) among all respondents who are established (smoked  $\geq 100$  cigarettes in their lifetimes) and experimental smokers (have not smoked  $\geq 100$  cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = Non-current experimental user	883	7.25
3 = Non-current established user	50	0.41
4 = Experimental user who smoked under 15 days in the past 30 days	243	2.00
5 = Established user who smoked under 15 days in the past 30 days	55	0.45
6 = Experimental user who smoked 15 or more days in the past 30 days	28	0.23
7 = Established user who smoked 15 or more days in the past 30 days	140	1.15
Missing	53	0.44
Total	12,172	100.00

*This variable has 12,119 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_smkstat\_Exp\_20past30: Youth cigarette smoking status (experimental and established smoker) - smoked at least 20 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 20 days in the past 30 days) among all respondents who are established (smoked  $\geq 100$  cigarettes in their lifetimes) and experimental smokers (have not smoked  $\geq 100$  cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = Non-current experimental user	883	7.25
3 = Non-current established user	50	0.41
4 = Experimental user who smoked under 20 days in the past 30 days	252	2.07
5 = Established user who smoked under 20 days in the past 30 days	69	0.57
6 = Experimental user who smoked 20 or more days in the past 30 days	19	0.16
7 = Established user who smoked 20 or more days in the past 30 days	126	1.04
Missing	53	0.44

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

Total	12,172	100.00
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*This variable has 12,119 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_smkstat\_Exp\_25past30: Youth cigarette smoking status (experimental and established smoker) - smoked at least 25 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 25 days in the past 30 days) among all respondents who are established (smoked  $\geq 100$  cigarettes in their lifetimes) and experimental smokers (have not smoked  $\geq 100$  cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = Non-current experimental user	883	7.25
3 = Non-current established user	50	0.41
4 = Experimental user who smoked under 25 days in the past 30 days	256	2.10
5 = Established user who smoked under 25 days in the past 30 days	88	0.72
6 = Experimental user who smoked 25 or more days in the past 30 days	15	0.12
7 = Established user who smoked 25 or more days in the past 30 days	107	0.88
Missing	53	0.44
Total	12,172	100.00

*This variable has 12,119 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_smkstat\_Exp\_30past30: Youth cigarette smoking status (experimental and established smoker) - smoked at least 30 days in the past 30 days**

**Description:** Current use status (smoked cigarettes at least 30 days in the past 30 days) among all respondents who are established (smoked  $\geq 100$  cigarettes in their lifetimes) and experimental smokers (have not smoked  $\geq 100$  cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = Non-current experimental user	883	7.25
3 = Non-current established user	50	0.41

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

4 = Experimental user who smoked under 30 days in the past 30 days	262	2.15
5 = Established user who smoked under 30 days in the past 30 days	108	0.89
6 = Experimental user who smoked 30 days in the past 30 days	9	0.07
7 = Established user who smoked 30 days in the past 30 days	87	0.71
Missing	53	0.44
Total	12,172	100.00

*This variable has 12,119 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_P30D: Youth cigarette smoking status - Past 30-day use**

**Description:** Current cigarette use status among all respondents.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	10,720	88.07
2 = Non-current user	938	7.71
3 = Current user	481	3.95
Missing	33	0.27
Total	12,172	100.00

*This variable has 12,139 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_smkstat\_Reg\_P30D: Youth established cigarette smoking status - Past 30-day use**

**Description:** Current cigarette use status among all respondents who are established smokers (smoked ≥ 100 cigarettes in their lifetimes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never established user	11,884	97.63
2 = Established non-current user	50	0.41
3 = Established current user	198	1.63
Missing	40	0.33
Total	12,172	100.00

*This variable has 12,132 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_cig\_Menthol: Smoked cigarette(s) flavored to taste like menthol or mint in the past 30 days**

**Description:** Indicator for respondents who smoked cigarettes flavored to taste like menthol or mint in the past 30 days.

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Numerator:** Number of current smokers who smoked cigarettes flavored to taste like menthol or mint in the past 30 days

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
0 = No	31	0.25
1 = Yes	222	1.82
Missing	11,919	97.92
Total	12,172	100.00

*This variable has 253 valid cases out of 12,172 total cases.*

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## 2. E-cigarette Use Variables for PATH Youth Data (Wave 2)

**Note about missing values for all indicators:** In PATH, many of the questions depend on the ability to classify individuals by tobacco product use status, any respondents who are unable (“Don’t Know”) or unwilling (“Refused”) to provide an answer or requested their data to be removed should be excluded from the calculation of the indicators below.

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### UMp1\_W2\_Y\_NVR\_ECIGS: Youth never e-cigarette user

**Description:** Respondents who have never used e-cigarettes in their lifetimes.

**Numerator:** Number of respondents who have never used e-cigarettes.

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
0 = No	2,166	17.79
1 = Yes	9,976	81.96
Missing	30	0.25
Total	12,172	100.00

*This variable has 12,142 valid cases out of 12,172 total cases.*

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### UMp1\_W2\_Y\_ecigs\_reg: Youth regular e-cigarette user

**Description:** Respondents who have used e-cigarettes fairly regularly.

**Numerator:** Number of respondents who have used e-cigarettes fairly regularly

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
0 = No	11,789	96.85
1 = Yes	303	2.49
Missing	80	0.66
Total	12,092	100.00

*This variable has 12,125 valid cases out of 12,172 total cases.*

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<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

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**UMp1\_W2\_Y\_ecigs\_30day: In the past 30 days, number of days used e-cigarettes**

**Description:** Number of days a respondent used e-cigarettes in the past 30 days

**Numerator:** Respondents who have ever used an e-cigarette and have used e-cigarettes in the past 30 days

**Denominator:** Total number of respondents<sup>1</sup>

- Mean: 0.26
- Median: 0.00
- Mode: 0
- Minimum: 0
- Maximum: 30
- Standard deviation: 2.17
- Never used or did not use in the past 30 days: 11,691
- Missing: 98

*This variable has 12,074 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_ecigstat\_1past30: Youth e-cigarette use status – used at least 1 day in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 1 day in the past 30 days) among all respondents who were ever e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = User who did not use in the past 30 days	1,715	14.09
3 = User who used under 1 day in the past 30 days	0	0.00
4 = User who used 1 or more days in the past 30 days	383	3.15
Missing	98	0.81
Total	12,172	100.00

*This variable has 12,074 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_ecigstat\_5past30: Youth e-cigarette use status – used at least 5 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 5 days in the past 30 days) among all respondents who were ever e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
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<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

1 = Never user	9,976	81.96
2 = User who did not use in the past 30 days	1,715	14.09
3 = User who used under 5 days in the past 30 days	207	1.70
4 = User who used 5 or more days in the past 30 days	176	1.45
Missing	98	0.81
Total	12,172	100.00

*This variable has 12,074 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_10past30: Youth e-cigarette use status – used at least 10 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 10 days in the past 30 days) among all respondents who were ever e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = User who did not use in the past 30 days	1,715	14.09
3 = User who used under 10 days in the past 30 days	255	2.09
4 = User who used 10 or more days in the past 30 days	128	1.05
Missing	98	0.81
Total	12,172	100.00

*This variable has 12,074 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_15past30: Youth e-cigarette use status – used at least 15 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 15 days in the past 30 days) among all respondents who were ever e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = User who did not use in the past 30 days	1,715	14.09
3 = User who used under 15 days in the past 30 days	300	2.46
4 = User who used 15 or more days in the past 30 days	83	0.68
Missing	98	0.81
Total	12,172	100.00

*This variable has 12,074 valid cases out of 12,172 total cases.*

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**UMp1\_W2\_Y\_ecigstat\_20past30: Youth e-cigarette use status – used at least 20 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 20 days in the past 30 days) among all respondents who were ever e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = User who did not use in the past 30 days	1,715	14.09
3 = User who used under 20 days in the past 30 days	327	2.69
4 = User who used 20 or more days in the past 30 days	56	0.46
Missing	98	0.81
Total	12,172	100.00

*This variable has 12,074 valid cases out of 12,172 total cases.*

---

**UMp1\_W2\_Y\_ecigstat\_25past30: Youth e-cigarette use status – used at least 25 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 25 days in the past 30 days) among all respondents who were ever e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = User who did not use in the past 30 days	1,715	14.09
3 = User who used under 25 days in the past 30 days	340	2.79
4 = User who used 25 or more days in the past 30 days	43	0.35
Missing	98	0.81
Total	12,172	100.00

*This variable has 12,074 valid cases out of 12,172 total cases.*

---

**UMp1\_W2\_Y\_ecigstat\_30past30: Youth e-cigarette use status – used at least 30 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 30 days in the past 30 days) among all respondents who were ever e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
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<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”



1 = Never user	9,976	81.96
2 = User who did not use in the past 30 days	1,715	14.09
3 = User who used under 30 days in the past 30 days	346	2.84
4 = User who used 30 days in the past 30 days	37	0.30
Missing	98	0.81
Total	12,172	100.00

*This variable has 12,074 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_Reg\_1past30: Youth e-cigarette use status – used at least 1 day in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 1 day in the past 30 days) among all respondents who were ever regular e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,789	96.85
2 = Regular user who didn't use in the past 30 days	134	1.10
3 = Regular user who used under 1 day in the past 30 days	0	0.00
4 = Regular user who used 1 or more days in the past 30 days	165	1.36
Missing	84	0.69
Total	12,172	100.00

*This variable has 12,088 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_Reg\_5past30: Youth e-cigarette use status – used at least 5 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 5 days in the past 30 days) among all respondents who were ever regular e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,789	96.85
2 = Regular user who didn't use in the past 30 days	134	1.10
3 = Regular user who used under 5 days in the past 30 days	37	0.30
4 = Regular user who used 5 or more days in the past 30 days	128	1.05
Missing	84	0.69
Total	12,172	100.00

*This variable has 12,088 valid cases out of 12,172 total cases.*

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**UMp1\_W2\_Y\_ecigstat\_Reg\_10past30: Youth e-cigarette use status – used at least 10 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 10 days in the past 30 days) among all respondents who were ever regular e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,789	96.85
2 = Regular user who didn't use in the past 30 days	134	1.10
3 = Regular user who used under 10 days in the past 30 days	61	0.50
4 = Regular user who used 10 or more days in the past 30 days	104	0.85
Missing	84	0.69
Total	12,172	100.00

*This variable has 12,088 valid cases out of 12,172 total cases.*

---

**UMp1\_W2\_Y\_ecigstat\_Reg\_15past30: Youth e-cigarette use status – used at least 15 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 15 days in the past 30 days) among all respondents who were ever regular e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,789	96.85
2 = Regular user who didn't use in the past 30 days	134	1.10
3 = Regular user who used under 15 days in the past 30 days	89	0.73
4 = Regular user who used 15 or more days in the past 30 days	76	0.62
Missing	84	0.69
Total	12,172	100.00

*This variable has 12,088 valid cases out of 12,172 total cases.*

---

**UMp1\_W2\_Y\_ecigstat\_Reg\_20past30: Youth e-cigarette use status – used at least 20 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 20 days in the past 30 days) among all respondents who were ever regular e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
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<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

1 = Never regular user	11,789	96.85
2 = Regular user who didn't use in the past 30 days	134	1.10
3 = Regular user who used under 20 days in the past 30 days	112	0.92
4 = Regular user who used 20 or more days in the past 30 days	53	0.44
Missing	84	0.69
Total	12,172	100.00

*This variable has 12,088 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_Reg\_25past30: Youth e-cigarette use status – used at least 25 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 25 days in the past 30 days) among all respondents who were ever regular e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,789	96.85
2 = Regular user who didn't use in the past 30 days	134	1.10
3 = Regular user who used under 25 days in the past 30 days	123	1.01
4 = Regular user who used 25 or more days in the past 30 days	42	0.35
Missing	84	0.69
Total	12,172	100.00

*This variable has 12,088 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_Reg\_30past30: Youth e-cigarette use status – used every day in the past 30 days**

**Description:** Current use status (used e-cigarettes every day in the past 30 days) among all respondents who were ever regular e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,789	96.85
2 = Regular user who didn't use in the past 30 days	134	1.10
3 = Regular user who used under 30 days in the past 30 days	129	1.06
4 = Regular user who used 30 days in the past 30 days	36	0.30
Missing	84	0.69
Total	12,172	100.00

*This variable has 12,088 valid cases out of 12,172 total cases.*

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**UMp1\_W2\_Y\_ecigstat\_Exp\_1past30: Youth e-cigarette use status (experimental and regular user) - used at least 1 day in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 1 day in the past 30 days) among all respondents who are regular and experimental users (have/have not used fairly regularly).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = Non-current experimental user	1,579	12.97
3 = Non-current regular user	134	1.10
4 = Experimental user who used under 1 day in the past 30 days	0	0.00
5 = Regular user who used under 1 day in the past 30 days	0	0.00
6 = Experimental user who used 1 or more days in the past 30 days	218	1.79
7 = Regular user who used 1 or more days in the past 30 days	165	1.36
Missing	100	0.82
Total	12,172	100.00

*This variable has 12,072 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_ecigstat\_Exp\_5past30: Youth e-cigarette use status (experimental and regular user) - used at least 5 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 5 days in the past 30 days) among all respondents who are regular and experimental users (have/have not used fairly regularly).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = Non-current experimental user	1,579	12.97
3 = Non-current regular user	134	1.10
4 = Experimental user who used under 5 days in the past 30 days	170	1.40
5 = Regular user who used under 5 days in the past 30 days	37	0.30
6 = Experimental user who used 5 or more days in the past 30 days	48	0.39
7 = Regular user who used 5 or more days in the past 30 days	128	1.05
Missing	100	0.82
Total	12,172	100.00

*This variable has 12,072 valid cases out of 12,172 total cases.*

---

**UMp1\_W2\_Y\_ecigstat\_Exp\_10past30: Youth e-cigarette use status (experimental and regular user) - used at least 10 days in the past 30 days**

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Description:** Current use status (used e-cigarettes at least 10 days in the past 30 days) among all respondents who are regular and experimental users (have/have not used fairly regularly).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = Non-current experimental user	1,579	12.97
3 = Non-current regular user	134	1.10
4 = Experimental user who used under 10 days in the past 30 days	194	1.59
5 = Regular user who used under 10 days in the past 30 days	61	0.50
6 = Experimental user who used 10 or more days in the past 30 days	24	0.20
7 = Regular user who used 10 or more days in the past 30 days	104	0.85
Missing	100	0.82
Total	12,172	100.00

*This variable has 12,072 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_Exp\_15past30: Youth e-cigarette use status (experimental and regular user) - used at least 15 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 15 days in the past 30 days) among all respondents who are regular and experimental users (have/have not used fairly regularly).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = Non-current experimental user	1,579	12.97
3 = Non-current regular user	134	1.10
4 = Experimental user who used under 15 days in the past 30 days	211	1.73
5 = Regular user who used under 15 days in the past 30 days	89	0.73
6 = Experimental user who used 15 or more days in the past 30 days	7	0.06
7 = Regular user who used 15 or more days in the past 30 days	76	0.62
Missing	100	0.82
Total	12,172	100.00

*This variable has 12,072 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_Exp\_20past30: Youth e-cigarette use status (experimental and regular user) - used at least 20 days in the past 30 days**

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Description:** Current use status (used e-cigarettes at least 20 days in the past 30 days) among all respondents who are regular and experimental users (have/have not used fairly regularly).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = Non-current experimental user	1,579	12.97
3 = Non-current regular user	134	1.10
4 = Experimental user who used under 20 days in the past 30 days	215	1.77
5 = Regular user who used under 20 days in the past 30 days	112	0.92
6 = Experimental user who used 20 or more days in the past 30 days	3	0.02
7 = Regular user who used 20 or more days in the past 30 days	53	0.44
Missing	100	0.82
Total	12,172	100.00

*This variable has 12,072 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_Exp\_25past30: Youth e-cigarette use status (experimental and regular user) - used at least 25 days in the past 30 days**

**Description:** Current use status (used e-cigarettes at least 25 days in the past 30 days) among all respondents who are regular and experimental users (have/have not used fairly regularly).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = Non-current experimental user	1,579	12.97
3 = Non-current regular user	134	1.10
4 = Experimental user who used under 25 days in the past 30 days	217	1.78
5 = Regular user who used under 25 days in the past 30 days	123	1.01
6 = Experimental user who used 25 or more days in the past 30 days	1	0.01
7 = Regular user who used 25 or more days in the past 30 days	42	0.35
Missing	100	0.82
Total	12,172	100.00

*This variable has 12,072 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_ecigstat\_Exp\_30past30: Youth e-cigarette use status (experimental and regular user) - used at least 30 days in the past 30 days**

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Description:** Current use status (used e-cigarettes at least 30 days in the past 30 days) among all respondents who are regular and experimental users (have/have not used fairly regularly).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = Non-current experimental user	1,579	12.97
3 = Non-current regular user	134	1.10
4 = Experimental user who used under 30 days in the past 30 days	217	1.78
5 = Regular user who used under 30 days in the past 30 days	129	1.06
6 = Experimental user who used 30 days in the past 30 days	1	0.01
7 = Regular user who used 30 days in the past 30 days	36	0.30
Missing	100	0.82
Total	12,172	100.00

*This variable has 12,072 valid cases out of 12,172 total cases.*

#### **UMp1\_W2\_Y\_ecigstat\_P30D: Youth e-cigarette use status - Past 30-day use**

**Description:** Current use status (used e-cigarettes in the past 30 days) among all respondents who are e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,976	81.96
2 = Non-current user	1,689	13.88
3 = Current user	415	3.41
Missing	92	0.76
Total	12,172	100.00

*This variable has 12,080 valid cases out of 12,172 total cases*

#### **UMp1\_W2\_Y\_ecigstat\_Reg\_P30D: Youth regular e-cigarette use status - Past 30-day use**

**Description:** Current use status (used e-cigarettes in the past 30 days) among all respondents who are ever regular e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,789	96.85
2 = Regular non-current user	126	1.04
3 = Regular current user	175	1.44

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

Missing	82	0.67
Total	12,172	100.00

*This variable has 12,090 valid cases out of 12,172 total cases.*

### **UMp1\_W2\_Y\_ecig\_AnyFlvr: Used flavored e-cigarette(s) in the past 30 days**

**Description:** Indicator for respondents who used e-cigarettes flavored to taste like menthol, mint, clove, spice, candy, fruit, chocolate, alcohol, or other sweets in the past 30 days.

**Numerator:** Number of current e-cigarette users who used e-cigarettes flavored to taste like menthol, mint, clove, spice, candy, fruit, chocolate, alcohol, or other sweets in the past 30 days

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
0 = No	42	0.35
1 = Yes	329	2.70
Missing	11,801	96.95
Total	12,172	100.00

*This variable has 371 valid cases out of 12,172 total cases.*

### **3. Cigarette and E-cigarette Dual Use Variables for PATH Youth Data (Wave 2)**

**Note about missing values for all indicators:** In PATH, many of the questions depend on the ability to classify individuals by their tobacco product use status. Sometimes we are unable make this classification due to the skip pattern of the instrument for one or more component variables, or because a “refused”, “I don’t know” or “improbable” response was provided or because the individual requested their data to be removed; therefore these cases were excluded from the calculation of the indicators below

### **UMp1\_W2\_Y\_MultiUse\_1past30: Youth cigarette and e-cigarette use status – used at least 1 day in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 1 day in the past 30 days) among all respondents who have smoked cigarettes/used e-cigarettes in their lifetimes.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,578	78.69
2 = Non-current user	1,772	14.56
3 = Exclusive cigarette user under 1 day in the past 30 days	0	0.00
4 = Exclusive e-cigarette user under 1 day in the past 30 days	0	0.00
5 = Exclusive cigarette user for 1 or more days in the past 30 days	305	2.51
6 = Exclusive e-cigarette user for 1 or more days in the past 30 days	226	1.86

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”



7 = Cigarette user under 1 day and e-cigarette user under 1 day in the past 30 days	0	0.00
8 = Cigarette user under 1 day and e-cigarette user for 1 or more days in the past 30 days	0	0.00
9 = Cigarette user for 1 or more days and e-cigarette user under 1 day in the past 30 days	0	0.00
10 = Cigarette user for 1 or more days and e-cigarette user for 1 or more days in the past 30 days	155	1.27
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases.*

---

**UMp1\_W2\_Y\_MultiUse\_5past30: Youth cigarette and e-cigarette use status – used at least 5 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 5 days in the past 30 days) among all respondents who have smoked cigarettes/used e-cigarettes in their lifetimes.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,578	78.69
2 = Non-current user	1,772	14.56
3 = Exclusive cigarette user under 5 days in the past 30 days	143	1.17
4 = Exclusive e-cigarette user under 5 days in the past 30 days	145	1.19
5 = Exclusive cigarette user for 5 or more days in the past 30 days	162	1.33
6 = Exclusive e-cigarette user for 5 or more days in the past 30 days	81	0.67
7 = Cigarette user under 5 days and e-cigarette user under 5 days in the past 30 days	35	0.29
8 = Cigarette user under 5 days and e-cigarette user for 5 or more days in the past 30 days	38	0.31
9 = Cigarette user for 5 or more days and e-cigarette user under 5 days in the past 30 days	25	0.21
10 = Cigarette user for 5 or more days and e-cigarette user for 5 or more days in the past 30 days	57	0.47
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases.*

---

**UMp1\_W2\_Y\_MultiUse\_10past30: Youth cigarette and e-cigarette use status – used at least 10 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 10 days in the past 30 days) among all respondents who have smoked cigarettes/used e-cigarettes in their lifetimes.

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,578	78.69
2 = Non-current user	1,772	14.56
3 = Exclusive cigarette user under 10 days in the past 30 days	183	1.50
4 = Exclusive e-cigarette user under 10 days in the past 30 days	167	1.37
5 = Exclusive cigarette user for 10 or more days in the past 30 days	122	1.00
6 = Exclusive e-cigarette user for 10 or more days in the past 30 days	59	0.48
7 = Cigarette user under 10 days and e-cigarette user under 10 days in the past 30 days	56	0.46
8 = Cigarette user under 10 days and e-cigarette user for 10 or more days in the past 30 days	34	0.28
9 = Cigarette user for 10 or more days and e-cigarette user under 10 days in the past 30 days	30	0.25
10 = Cigarette user for 10 or more days and e-cigarette user for 10 or more days in the past 30 days	35	0.29
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_MultiUse\_15past30: Youth cigarette and e-cigarette use status – used at least 15 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 15 days in the past 30 days) among all respondents who have smoked cigarettes/used e-cigarettes in their lifetimes.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,578	78.69
2 = Non-current user	1,772	14.56
3 = Exclusive cigarette user under 15 days in the past 30 days	200	1.64
4 = Exclusive e-cigarette user under 15 days in the past 30 days	193	1.59
5 = Exclusive cigarette user for 15 or more days in the past 30 days	105	0.86
6 = Exclusive e-cigarette user for 15 or more days in the past 30 days	33	0.27
7 = Cigarette user under 15 days and e-cigarette user under 15 days in the past 30 days	72	0.59
8 = Cigarette user under 15 days and e-cigarette user for 15 or more days in the past 30 days	26	0.21
9 = Cigarette user for 15 or more days and e-cigarette user under 15 days in the past 30 days	33	0.27

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

10 = Cigarette user for 15 or more days and e-cigarette user for 15 or more days in the past 30 days	24	0.20
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_MultiUse\_20past30: Youth cigarette and e-cigarette use status – used at least 20 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 20 days in the past 30 days) among all respondents who have smoked cigarettes/used e-cigarettes in their lifetimes.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,578	78.69
2 = Non-current user	1,772	14.56
3 = Exclusive cigarette user under 20 days in the past 30 days	213	1.75
4 = Exclusive e-cigarette user under 20 days in the past 30 days	202	1.66
5 = Exclusive cigarette user for 20 or more days in the past 30 days	92	0.76
6 = Exclusive e-cigarette user for 20 or more days in the past 30 days	24	0.20
7 = Cigarette user under 20 days and e-cigarette user under 20 days in the past 30 days	88	0.72
8 = Cigarette user under 20 days and e-cigarette user for 20 or more days in the past 30 days	18	0.15
9 = Cigarette user for 20 or more days and e-cigarette user under 20 days in the past 30 days	35	0.29
10 = Cigarette user for 20 or more days and e-cigarette user for 20 or more days in the past 30 days	14	0.12
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_MultiUse\_25past30: Youth cigarette and e-cigarette use status – used at least 25 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 25 days in the past 30 days) among all respondents who have smoked cigarettes/used e-cigarettes in their lifetimes.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

Value	Unweighted frequency	%
1 = Never user	9,578	78.69
2 = Non-current user	1,772	14.56
3 = Exclusive cigarette user under 25 days in the past 30 days	226	1.86
4 = Exclusive e-cigarette user under 25 days in the past 30 days	209	1.72
5 = Exclusive cigarette user for 25 or more days in the past 30 days	79	0.65
6 = Exclusive e-cigarette user for 25 or more days in the past 30 days	17	0.14
7 = Cigarette user under 25 days and e-cigarette user under 25 days in the past 30 days	96	0.79
8 = Cigarette user under 25 days and e-cigarette user for 20 or more days in the past 30 days	19	0.16
9 = Cigarette user for 25 or more days and e-cigarette user under 25 days in the past 30 days	33	0.27
10 = Cigarette user for 25 or more days and e-cigarette user for 25 or more days in the past 30 days	7	0.06
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases.*

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#### **UMp1\_W2\_Y\_MultiUse\_30past30: Youth cigarette and e-cigarette use status – used at least 30 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 30 days in the past 30 days) among all respondents who have smoked cigarettes/used e-cigarettes in their lifetimes.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,578	78.69
2 = Non-current user	1,772	14.56
3 = Exclusive cigarette user under 30 days in the past 30 days	240	1.97
4 = Exclusive e-cigarette user under 30 days in the past 30 days	212	1.74
5 = Exclusive cigarette user for 30 days in the past 30 days	65	0.53
6 = Exclusive e-cigarette user for 30 days in the past 30 days	14	0.12
7 = Cigarette user under 30 days and e-cigarette user under 30 days in the past 30 days	107	0.88
8 = Cigarette user under 30 days and e-cigarette user for 30 days in the past 30 days	19	0.16
9 = Cigarette user for 30 days and e-cigarette user under 30 days in the past 30 days	25	0.21
10 = Cigarette user for 30 days and e-cigarette user for 30 days in the past 30 days	4	0.03
Missing	136	1.12

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

Total	12,172	100.00
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*This variable has 12,036 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_MultiUse\_RegC\_1past30: Youth cigarette and e-cigarette use status – used at least 1 day in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 1 day in the past 30 days) among all respondents who are established smokers (smoked  $\geq$  100 cigarettes in their lifetimes) and e-cigarette users (ever used e-cigarettes, even one or two times).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user*	9,942	81.68
2 = Non-current user	1,593	13.09
3 = Exclusive established cigarette user under 1 day in the past 30 days	0	0.00
4 = Exclusive e-cigarette user under 1 day in the past 30 days	0	0.00
5 = Exclusive established cigarette user for 1 or more days in the past 30 days	120	0.99
6 = Exclusive e-cigarette user for 1 or more days in the past 30 days	311	2.56
7 = Established cigarette user under 1 day and e-cigarette user under 1 day in the past 30 days	0	0.00
8 = Established cigarette user under 1 day and e-cigarette user for 1 or more days in the past 30 days	0	0.00
9 = Established cigarette user for 1 or more days and e-cigarette user under 1 day in the past 30 days	0	0.00
10 = Established cigarette user for 1 or more days and e-cigarette user for 1 or more days in the past 30 days	70	0.58
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases. \* Never established cigarette and never e-cigarette user.*

**UMp1\_W2\_Y\_MultiUse\_RegC\_5past30: Youth cigarette and e-cigarette use status – used at least 5 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 5 days in the past 30 days) among all respondents who are established smokers (smoked  $\geq$  100 cigarettes in their lifetimes) and e-cigarette users (ever used e-cigarettes, even one or two times).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

Value	Unweighted frequency	%
1 = Never regular user*	9,942	81.68
2 = Non-current user	1,593	13.09
3 = Exclusive established cigarette user under 5 days in the past 30 days	15	0.12
4 = Exclusive e-cigarette user under 5 days in the past 30 days	180	1.48
5 = Exclusive established cigarette user for 5 or more days in the past 30 days	105	0.86
6 = Exclusive e-cigarette user for 5 or more days in the past 30 days	131	1.08
7 = Established cigarette user under 5 days and e-cigarette user under 5 days in the past 30 days	5	0.04
8 = Established cigarette user under 5 days and e-cigarette user for 5 or more days in the past 30 days	5	0.04
9 = Established cigarette user for 5 or more days and e-cigarette user under 5 days in the past 30 days	21	0.17
10 = Established cigarette user for 5 or more days and e-cigarette user for 5 or more days in the past 30 days	39	0.32
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases. \* Never established cigarette and never e-cigarette user.*

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#### **UMp1\_W2\_Y\_MultiUse\_RegC\_10past30: Youth cigarette and e-cigarette use status – used at least 10 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 10 days in the past 30 days) among all respondents who are established smokers (smoked  $\geq 100$  cigarettes in their lifetimes) and e-cigarette users (ever used e-cigarettes, even one or two times).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user*	9,942	81.68
2 = Non-current user	1,593	13.09
3 = Exclusive established cigarette user under 10 days in the past 30 days	22	0.18
4 = Exclusive e-cigarette user under 10 days in the past 30 days	214	1.76
5 = Exclusive established cigarette user for 10 or more days in the past 30 days	98	0.81
6 = Exclusive e-cigarette user for 10 or more days in the past 30 days	97	0.80
7 = Established cigarette user under 10 days and e-cigarette user under 10 days in the past 30 days	12	0.10
8 = Established cigarette user under 10 days and e-cigarette user for 10 or more days in the past 30 days	8	0.07

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

9 = Established cigarette user for 10 or more days and e-cigarette user under 10 days in the past 30 days	28	0.23
10 = Established cigarette user for 10 or more days and e-cigarette user for 10 or more days in the past 30 days	22	0.18
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases. \* Never established cigarette and never e-cigarette user.*

**UMp1\_W2\_Y\_MultiUse\_RegC\_15past30: Youth cigarette and e-cigarette use status – used at least 15 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 15 days in the past 30 days) among all respondents who are established smokers (smoked ≥ 100 cigarettes in their lifetimes) and e-cigarette users (ever used e-cigarettes, even one or two times).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user*	9,942	81.68
2 = Non-current user	1,593	13.09
3 = Exclusive established cigarette user under 15 days in the past 30 days	31	0.25
4 = Exclusive e-cigarette user under 15 days in the past 30 days	254	2.09
5 = Exclusive established cigarette user for 15 or more days in the past 30 days	89	0.73
6 = Exclusive e-cigarette user for 15 or more days in the past 30 days	57	0.47
7 = Established cigarette user under 15 days and e-cigarette user under 15 days in the past 30 days	15	0.12
8 = Established cigarette user under 15 days and e-cigarette user for 15 or more days in the past 30 days	9	0.07
9 = Established cigarette user for 15 or more days and e-cigarette user under 15 days in the past 30 days	29	0.24
10 = Established cigarette user for 15 or more days and e-cigarette user for 15 or more days in the past 30 days	17	0.14
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases. \* Never established cigarette and never e-cigarette user.*

**UMp1\_W2\_Y\_MultiUse\_RegC\_20past30: Youth cigarette and e-cigarette use status – used at least 20 days in the past 30 days**

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

**Description:** Current use status (used cigarettes/e-cigarettes at least 20 days in the past 30 days) among all respondents who are established smokers (smoked  $\geq$  100 cigarettes in their lifetimes) and e-cigarette users (ever used e-cigarettes, even one or two times).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user*	9,942	81.68
2 = Non-current user	1,593	13.09
3 = Exclusive established cigarette user under 20 days in the past 30 days	40	0.33
4 = Exclusive e-cigarette user under 20 days in the past 30 days	272	2.23
5 = Exclusive established cigarette user for 20 or more days in the past 30 days	80	0.66
6 = Exclusive e-cigarette user for 20 or more days in the past 30 days	39	0.32
7 = Established cigarette user under 20 days and e-cigarette user under 20 days in the past 30 days	21	0.17
8 = Established cigarette user under 20 days and e-cigarette user for 20 or more days in the past 30 days	7	0.06
9 = Established cigarette user for 20 or more days and e-cigarette user under 20 days in the past 30 days	32	0.26
10 = Established cigarette user for 20 or more days and e-cigarette user for 20 or more days in the past 30 days	10	0.08
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases. \* Never established cigarette and never e-cigarette user.*

**UMp1\_W2\_Y\_MultiUse\_RegC\_25past30: Youth cigarette and e-cigarette use status – used at least 25 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 25 days in the past 30 days) among all respondents who are established smokers (smoked  $\geq$  100 cigarettes in their lifetimes) and e-cigarette users (ever used e-cigarettes, even one or two times).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user*	9,942	81.68
2 = Non-current user	1,593	13.09
3 = Exclusive established cigarette user under 25 days in the past 30 days	51	0.42

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”



4 = Exclusive e-cigarette user under 25 days in the past 30 days	282	2.32
5 = Exclusive established cigarette user for 25 or more days in the past 30 days	69	0.57
6 = Exclusive e-cigarette user for 25 or more days in the past 30 days	29	0.24
7 = Established cigarette user under 25 days and e-cigarette user under 25 days in the past 30 days	27	0.22
8 = Established cigarette user under 25 days and e-cigarette user for 25 or more days in the past 30 days	8	0.07
9 = Established cigarette user for 25 or more days and e-cigarette user under 25 days in the past 30 days	29	0.24
10 = Established cigarette user for 25 or more days and e-cigarette user for 25 or more days in the past 30 days	6	0.05
Missing	136	1.12
Total	12,172	100.00

*This variable has 12,036 valid cases out of 12,172 total cases. \* Never established cigarette and never e-cigarette user.*

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**UMp1\_W2\_Y\_MultiUse\_RegC\_30past30: Youth cigarette and e-cigarette use status – used at least 30 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes on 30 days in the past 30 days) among all respondents who are established smokers (smoked ≥ 100 cigarettes in their lifetimes) and e-cigarette users (ever used e-cigarettes, even one or two times).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user*	9,942	81.68
2 = Non-current user	1,593	13.09
3 = Exclusive established cigarette user under 30 days in the past 30 days	62	0.51
4 = Exclusive e-cigarette user under 30 days in the past 30 days	286	2.35
5 = Exclusive established cigarette user for 30 days in the past 30 days	58	0.48
6 = Exclusive e-cigarette user for 30 days in the past 30 days	25	0.21
7 = Established cigarette user under 30 days and e-cigarette user under 30 days in the past 30 days	35	0.29
8 = Established cigarette user under 30 days and e-cigarette user for 30 days in the past 30 days	8	0.07
9 = Established cigarette user for 30 days and e-cigarette user under 30 days in the past 30 days	23	0.19
10 = Established cigarette user for 30 days and e-cigarette user for 30 days in the past 30 days	4	0.03
Missing	136	1.12
Total	12,172	100.00

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

*This variable has 12,036 valid cases out of 12,172 total cases. \* Never established cigarette and never e-cigarette user.*

**UMp1\_W2\_Y\_MultiUse\_RegCE\_1p30: Youth cigarette smoking and e-cigarette use status – smoked/used at least 1 day in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 1 day in the past 30 days) among all respondents who are established/regular users (smoked  $\geq$  100 cigarettes in their lifetimes/fairly regular use of e-cigarettes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,586	95.19
2 = Non-current user	154	1.27
3 = Exclusive cigarette user under 1 day in the past 30 days	0	0.00
4 = Exclusive e-cigarette user under 1 day in the past 30 days	0	0.00
5 = Exclusive cigarette user for 1 or more days in the past 30 days	144	1.18
6 = Exclusive e-cigarette user for 1 or more days in the past 30 days	118	0.97
7 = Cigarette user under 1 day and e-cigarette user under 1 day in the past 30 days	0	0.00
8 = Cigarette user under 1 day and e-cigarette user for 1 or more days in the past 30 days	0	0.00
9 = Cigarette user for 1 or more days and e-cigarette user under 1 day in the past 30 days	0	0.00
10 = Cigarette user for 1 or more days and e-cigarette user for 1 or more days in the past 30 days	46	0.38
Missing	124	1.02
Total	12,172	100.00

*This variable has 12,048 valid cases out of 12,172 total cases.*

**UMp1\_W2\_Y\_MultiUse\_RegCE\_5p30: Youth cigarette smoking and e-cigarette use status – used at least 5 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 5 days in the past 30 days) among all respondents who are established/regular users (smoked  $\geq$  100 cigarettes in their lifetimes/fairly regular use of e-cigarettes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
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<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

1 = Never regular user	11,586	95.19
2 = Non-current user	154	1.27
3 = Exclusive cigarette user under 5 days in the past 30 days	18	0.15
4 = Exclusive e-cigarette user under 5 days in the past 30 days	28	0.23
5 = Exclusive cigarette user for 5 or more days in the past 30 days	126	1.04
6 = Exclusive e-cigarette user for 5 or more days in the past 30 days	90	0.74
7 = Cigarette user under 5 days and e-cigarette user under 5 days in the past 30 days	2	0.02
8 = Cigarette user under 5 days and e-cigarette user for 5 or more days in the past 30 days	5	0.04
9 = Cigarette user for 5 or more days and e-cigarette user under 5 days in the past 30 days	7	0.06
10 = Cigarette user for 5 or more days and e-cigarette user for 5 or more days in the past 30 days	32	0.26
Missing	124	1.02
Total	12,172	100.00

*This variable has 12,048 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_MultiUse\_RegCE\_10p30: Youth cigarette and e-cigarette use status – used at least 10 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 10 days in the past 30 days) among all respondents who are established/regular users (smoked  $\geq 100$  cigarettes in their lifetimes/fairly regular use of e-cigarettes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,586	95.19
2 = Non-current user	154	1.27
3 = Exclusive cigarette user under 10 days in the past 30 days	28	0.23
4 = Exclusive e-cigarette user under 10 days in the past 30 days	44	0.36
5 = Exclusive cigarette user for 10 or more days in the past 30 days	116	0.95
6 = Exclusive e-cigarette user for 10 or more days in the past 30 days	74	0.61
7 = Cigarette user under 10 days and e-cigarette user under 10 days in the past 30 days	6	0.05
8 = Cigarette user under 10 days and e-cigarette user for 10 or more days in the past 30 days	8	0.07
9 = Cigarette user for 10 or more days and e-cigarette user under 10 days in the past 30 days	11	0.09
10 = Cigarette user for 10 or more days and e-cigarette user for 10 or more days in the past 30 days	21	0.17
Missing	124	1.02
Total	12,172	100.00

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

*This variable has 12,048 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_MultiUse\_RegCE\_15p30: Youth cigarette and e-cigarette use status – used at least 15 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 15 days in the past 30 days) among all respondents who are established/regular users (smoked  $\geq 100$  cigarettes in their lifetimes/fairly regular use of e-cigarettes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,586	95.19
2 = Non-current user	154	1.27
3 = Exclusive cigarette user under 15 days in the past 30 days	40	0.33
4 = Exclusive e-cigarette user under 15 days in the past 30 days	67	0.55
5 = Exclusive cigarette user for 15 or more days in the past 30 days	104	0.85
6 = Exclusive e-cigarette user for 15 or more days in the past 30 days	51	0.42
7 = Cigarette user under 15 days and e-cigarette user under 15 days in the past 30 days	6	0.05
8 = Cigarette user under 15 days and e-cigarette user for 15 or more days in the past 30 days	9	0.07
9 = Cigarette user for 15 or more days and e-cigarette user under 15 days in the past 30 days	15	0.12
10 = Cigarette user for 15 or more days and e-cigarette user for 15 or more days in the past 30 days	16	0.13
Missing	124	1.02
Total	12,172	100.00

*This variable has 12,048 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_MultiUse\_RegCE\_20p30: Youth cigarette and e-cigarette use status – used at least 20 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 20 days in the past 30 days) among all respondents who are established/regular users (smoked  $\geq 100$  cigarettes in their lifetimes/fairly regular use of e-cigarettes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,586	95.19

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

2 = Non-current user	154	1.27
3 = Exclusive cigarette user under 20 days in the past 30 days	49	0.40
4 = Exclusive e-cigarette user under 20 days in the past 30 days	82	0.67
5 = Exclusive cigarette user for 20 or more days in the past 30 days	95	0.78
6 = Exclusive e-cigarette user for 20 or more days in the past 30 days	36	0.30
7 = Cigarette user under 20 days and e-cigarette user under 20 days in the past 30 days	12	0.10
8 = Cigarette user under 20 days and e-cigarette user for 20 or more days in the past 30 days	7	0.06
9 = Cigarette user for 20 or more days and e-cigarette user under 20 days in the past 30 days	17	0.14
10 = Cigarette user for 20 or more days and e-cigarette user for 20 or more days in the past 30 days	10	0.08
Missing	124	1.02
Total	12,172	100.00

*This variable has 12,048 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_MultiUse\_RegCE\_25p30: Youth cigarette and e-cigarette use status – used at least 20 days in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes at least 25 days in the past 30 days) among all respondents who are established/regular users (smoked  $\geq 100$  cigarettes in their lifetimes/fairly regular use of e-cigarettes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,586	95.19
2 = Non-current user	154	1.27
3 = Exclusive cigarette user under 25 days in the past 30 days	62	0.51
4 = Exclusive e-cigarette user under 25 days in the past 30 days	90	0.74
5 = Exclusive cigarette user for 25 or more days in the past 30 days	82	0.67
6 = Exclusive e-cigarette user for 25 or more days in the past 30 days	28	0.23
7 = Cigarette user under 25 days and e-cigarette user under 25 days in the past 30 days	16	0.13
8 = Cigarette user under 25 days and e-cigarette user for 25 or more days in the past 30 days	6	0.05
9 = Cigarette user for 25 or more days and e-cigarette user under 25 days in the past 30 days	16	0.13
10 = Cigarette user for 25 or more days and e-cigarette user for 25 or more days in the past 30 days	8	0.07
Missing	124	1.02
Total	12,172	100.00

*This variable has 12,048 valid cases out of 12,172 total cases.*

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

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**UMp1\_W2\_Y\_MultiUse\_RegCE\_30p30: Youth cigarette and e-cigarette use status – used every day in the past 30 days**

**Description:** Current use status (used cigarettes/e-cigarettes every day in the past 30 days) among all respondents who are established/regular users (smoked  $\geq 100$  cigarettes in their lifetimes/fairly regular use of e-cigarettes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,586	95.19
2 = Non-current user	154	1.27
3 = Exclusive cigarette user under 30 days in the past 30 days	75	0.62
4 = Exclusive e-cigarette user under 30 days in the past 30 days	94	0.77
5 = Exclusive cigarette user for 30 days in the past 30 days	69	0.57
6 = Exclusive e-cigarette user for 30 days in the past 30 days	24	0.20
7 = Cigarette user under 30 days and e-cigarette user under 30 days in the past 30 days	22	0.18
8 = Cigarette user under 30 days and e-cigarette user for 30 days in the past 30 days	8	0.07
9 = Cigarette user for 30 days and e-cigarette user under 30 days in the past 30 days	12	0.10
10 = Cigarette user for 30 days and e-cigarette user for 30 days in the past 30 days	4	0.03
Missing	124	1.02
Total	12,172	100.00

*This variable has 12,048 valid cases out of 12,172 total cases.*

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**UMp1\_W2\_Y\_MultiUse\_P30D: Youth cigarette and e-cigarette use status - Past 30-day use**

**Description:** Current use status (used cigarettes/e-cigarettes in the past 30 days) among all respondents who have smoked a cigarette and/or ever e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never user	9,578	78.69
2 = Non-current user	1,758	14.44
3 = Exclusive cigarette user in the past 30 days	302	2.48
4 = Exclusive e-cigarette user in the past 30 days	243	2.00
5 = Dual user in the past 30 days	170	1.40

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”

Missing	121	0.99
Total	12,172	100.00

*This variable has 12,051 valid cases out of 12,172 total cases*

**UMp1\_W2\_Y\_MultiUse\_RegCig\_P30D: Youth established cigarette and ever e-cigarette use status - Past 30-day use**

**Description:** Current use status (used cigarettes/e-cigarettes in the past 30 days) among all established smokers (smoked  $\geq 100$  cigarettes in their lifetimes) and/or ever e-cigarette users.

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user*	9,942	81.68
2 = Non-current user	1,577	12.96
3 = Exclusive cigarette user in the past 30 days	112	0.92
4 = Exclusive e-cigarette user in the past 30 days	331	2.72
5 = Dual user in the past 30 days	82	0.67
Missing	128	1.05
Total	12,172	100.00

*This variable has 12,044 valid cases out of 12,172 total cases. \* Never established cigarette and never e-cigarette user.*

**UMp1\_W2\_Y\_MultiUse\_RegCigE\_P30D: Youth established cigarette and regular e-cigarette use status - Past 30-day use**

**Description:** Current use status (used cigarettes/e-cigarettes in the past 30 days) among all established/regular users (smoked  $\geq 100$  cigarettes in their lifetimes/fairly regular use of e-cigarettes).

**Numerator:** Number of respondents who are [VALUE]

**Denominator:** Total number of respondents<sup>1</sup>

Value	Unweighted frequency	%
1 = Never regular user	11,586	95.19
2 = Non-current user	150	1.23
3 = Exclusive cigarette user in the past 30 days	142	1.17
4 = Exclusive e-cigarette user in the past 30 days	122	1.00
5 = Dual user in the past 30 days	52	0.43
Missing	120	0.99
Total	12,172	100.00

*This variable has 12,052 valid cases out of 12,172 total cases.*

<sup>1</sup>Those responses that are “not valid” are described for each indicator under “missing values.”