

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

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.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
0 = No	1,838	13.46
1 = Yes	11,792	86.38
Missing	21	0.15
Total	13,651	100.00

This variable has 13,630 valid cases out of 13,651 total cases.

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

UMp1_W1_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 ≥ 100 cigarettes in their lifetime

Denominator: Total number of respondents¹

Value	Unweighted frequency	%
0 = No	13,295	97.39 %
1 = Yes	317	2.32 %
Missing	39	0.29 %
Total	13,651	100 %

This variable has 13,612 valid cases out of 13,651 total cases.

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

UMp1_W1_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

¹Those 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 respondents¹

- Mean: 0.56
- Median: 0.00
- Mode: 0
- Minimum: 0
- Maximum: 30
- Standard deviation: 3.57
- Never smoked or did not smoke in the past 30 days: 12,988
- Missing: 58

This variable has 13,593 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = User who did not smoke in the past 30 days	1,196	8.76
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	605	4.43
Missing	58	0.42
Total	13,651	100.00

This variable has 13,593 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = User who did not smoke in the past 30 days	1,196	8.76

¹Those 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	246	1.80
4 = User who smoked 5 or more days in the past 30 days	359	2.63
Missing	58	0.42
Total	13,651	100.00

This variable has 13,593 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = User who did not smoke in the past 30 days	1,196	8.76
3 = User who smoked under 10 days in the past 30 days	317	2.32
4 = User who smoked 10 or more days in the past 30 days	288	2.11
Missing	58	0.42
Total	13,651	100.00

This variable has 13,593 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = User who did not smoke in the past 30 days	1,196	8.76
3 = User who smoked under 15 days in the past 30 days	357	2.62
4 = User who smoked 15 or more days in the past 30 days	248	1.82
Missing	58	0.42
Total	13,651	100.00

This variable has 13,593 valid cases out of 13,651 total cases.

UMp1_W1_Y_smkstat_20past30: Youth cigarette smoking status – smoked at least 20 days in the past 30 days

¹Those 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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = User who did not smoke in the past 30 days	1,196	8.76
3 = User who smoked under 20 days in the past 30 days	400	2.93
4 = User who smoked 20 or more days in the past 30 days	205	1.50
Missing	58	0.42
Total	13,651	100.00

This variable has 13,593 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = User who did not smoke in the past 30 days	1,196	8.76
3 = User who smoked under 25 days in the past 30 days	439	3.22
4 = User who smoked 25 or more days in the past 30 days	166	1.22
Missing	58	0.42
Total	13,651	100.00

This variable has 13,593 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = User who did not smoke in the past 30 days	1,196	8.76
3 = User who smoked under 30 days in the past 30 days	478	3.50

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

4 = User who smoked 30 days in the past 30 days	127	0.93
Missing	58	0.42
Total	13,651	100.00

This variable has 13,593 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never established user	13,295	97.39
2 = Established user who didn't smoke in the past 30 days	44	0.32
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	264	1.93
Missing	48	0.35
Total	13,651	100.00

This variable has 13,603 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never established user	13,295	97.39
2 = Established user who didn't smoke in the past 30 days	44	0.32
3 = Established user who smoked under 5 days in the past 30 days	23	0.17
4 = Established user who smoked 5 or more days in the past 30 days	241	1.77
Missing	48	0.35
Total	13,651	100.--

This variable has 13,603 valid cases out of 13,651 total cases.

UMp1_W1_Y_smkstat_Reg_10past30: Youth cigarette smoking status – smoked at least 10 days in the past 30 days

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

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 respondents¹

Value	Unweighted frequency	%
1 = Never established user	13,295	97.39
2 = Established user who didn't smoke in the past 30 days	44	0.32
3 = Established user who smoked under 10 days in the past 30 days	46	0.34
4 = Established user who smoked 10 or more days in the past 30 days	218	1.60
Missing	48	0.35
Total	13,651	100.00

This variable has 13,603 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never established user	13,295	97.39
2 = Established user who didn't smoke in the past 30 days	44	0.32
3 = Established user who smoked under 15 days in the past 30 days	62	0.45
4 = Established user who smoked 15 or more days in the past 30 days	202	1.48
Missing	48	0.35
Total	13,651	100.00

This variable has 13,603 valid cases out of 13,651 total cases.

UMp1_W1_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).

Numerator: Number of respondents who are [VALUE]

Denominator: Total number of respondents¹

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

Value	Unweighted frequency	%
1 = Never established user	13,295	97.39
2 = Established user who didn't smoke in the past 30 days	44	0.32
3 = Established user who smoked under 20 days in the past 30 days	89	0.65
4 = Established user who smoked 20 or more days in the past 30 days	175	1.28
Missing	48	0.35
Total	13,651	100.00

This variable has 13,603 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never established user	13,295	97.39
2 = Established user who didn't smoke in the past 30 days	44	0.32
3 = Established user who smoked under 25 days in the past 30 days	116	0.8
4 = Established user who smoked 25 or more days in the past 30 days	148	1.08
Missing	48	0.35
Total	13,651	100.00

This variable has 13,603 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never established user	13,295	97.39
2 = Established user who didn't smoke in the past 30 days	44	0.32
3 = Established user who smoked under 30 days in the past 30 days	151	1.11
4 = Established user who smoked 30 days in the past 30 days	113	0.83

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

Missing	48	0.35
Total	13,651	100.00

This variable has 13,603 valid cases out of 13,651 total cases.

UMp1_W1_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 ≥ 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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = Non-current experimental user	1,143	8.37
3 = Non-current established user	44	0.32
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	340	2.49
7 = Established user who smoked 1 or more days in the past 30 days	264	1.93
Missing	68	0.50
Total	13,651	100.00

This variable has 13,583 valid cases out of 13,651 total cases.

UMp1_W1_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 ≥ 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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = Non-current experimental user	1,143	8.37
3 = Non-current established user	44	0.32
4 = Experimental user who smoked under 5 days in the past 30 days	23	0.17

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

5 = Established user who smoked under 5 days in the past 30 days	222	1.63
6 = Experimental user who smoked 5 or more days in the past 30 days	118	0.86
7 = Established user who smoked 5 or more days in the past 30 days	241	1.77
Missing	68	0.50
Total	13,651	100.00

This variable has 13,583 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = Non-current experimental user	1,143	8.37
3 = Non-current established user	44	0.32
4 = Experimental user who smoked under 10 days in the past 30 days	46	0.34
5 = Established user who smoked under 10 days in the past 30 days	270	1.98
6 = Experimental user who smoked 10 or more days in the past 30 days	70	0.51
7 = Established user who smoked 10 or more days in the past 30 days	218	1.60
Missing	68	0.50
Total	13,651	100.00

This variable has 13,583 valid cases out of 13,651 total cases.

UMp1_W1_Y_smkstat_Exp_15past30: Youth cigarette smoking status (experimental and established smoker) - 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 (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 respondents¹

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

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = Non-current experimental user	1,143	8.37
3 = Non-current established user	44	0.32
4 = Experimental user who smoked under 15 days in the past 30 days	62	0.45
5 = Established user who smoked under 15 days in the past 30 days	294	2.15
6 = Experimental user who smoked 15 or more days in the past 30 days	46	0.34
7 = Established user who smoked 15 or more days in the past 30 days	202	1.48
Missing	68	0.50
Total	13,651	100.00

This variable has 13,583 valid cases out of 13,651 total cases.

UMp1_W1_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 ≥ 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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = Non-current experimental user	1,143	8.37
3 = Non-current established user	44	0.32
4 = Experimental user who smoked under 20 days in the past 30 days	89	0.65
5 = Established user who smoked under 20 days in the past 30 days	310	2.27
6 = Experimental user who smoked 20 or more days in the past 30 days	30	0.22
7 = Established user who smoked 20 or more days in the past 30 days	175	1.28
Missing	204	0.63
Total	13,651	100.00

This variable has 13,583 valid cases out of 13,651 total cases.

UMp1_W1_Y_smkstat_Exp_25past30: Youth cigarette smoking status (experimental and established smoker) - smoked at least 25 days in the past 30 days

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

Description: Current use status (smoked cigarettes at least 25 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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = Non-current experimental user	1,143	8.37
3 = Non-current established user	44	0.32
4 = Experimental user who smoked under 25 days in the past 30 days	116	0.85
5 = Established user who smoked under 25 days in the past 30 days	322	2.36
6 = Experimental user who smoked 25 or more days in the past 30 days	18	0.13
7 = Established user who smoked 25 or more days in the past 30 days	148	1.08
Missing	68	0.50
Total	13,651	100.00

This variable has 13,583 valid cases out of 13,651 total cases.

UMp1_W1_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 ≥ 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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = Non-current experimental user	1,143	8.37
3 = Non-current established user	44	0.32
4 = Experimental user who smoked under 30 days in the past 30 days	151	1.11
5 = Established user who smoked under 30 days in the past 30 days	326	2.39
6 = Experimental user who smoked 30 days in the past 30 days	14	0.10
7 = Established user who smoked 30 days in the past 30 days	113	0.83
Missing	68	0.50
Total	13,651	100.00

This variable has 13,583 valid cases out of 13,651 total cases.

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

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,792	86.38
2 = Non-current user	1,186	8.69
3 = Current user	634	4.64
Missing	39	0.29
Total	13,651	100.00

This variable has 13,638 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never established user	13,295	49.05
2 = Established non-current user	44	14.07
3 = Established current user	273	36.44
Missing	39	0.29
Total	13,651	100.00

This variable has 13,638 valid cases out of 13,651 total cases.

UMp1_W1_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.

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

Denominator: Total number of respondents¹

Value	Unweighted frequency	%
0 = No	250	1.83
1 = Yes	383	2.81

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

Missing	13,018	95.36
Total	13,651	100.00

This variable has 633 valid cases out of 13,651 total cases.

2. E-cigarette Use Variables for PATH Youth Data (Wave 1)

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.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
0 = No	1,451	10.63
1 = Yes	12,156	89.05
Missing	44	0.32
Total	13,651	100.00

This variable has 13,607 valid cases out of 13,651 total cases.

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

UMp1_W1_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 used an e-cigarette and have used e-cigarettes in the past 30 days

Denominator: Total number of respondents¹

- Mean: 0.18
- Median: 0.00
- Mode: 0
- Minimum: 0
- Maximum: 30
- Standard deviation: 1.74
- Never used or did not use in the past 30 days: 13,179
- Missing: 79

This variable has 13,572 valid cases out of 13,651 total cases.

UMp1_W1_Y_ecigstat_1past30: Youth e-cigarette use status – used at least 1 day in the past 30 days

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

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 respondents¹

Value	Unweighted frequency	%
1 = Never user	12,156	89.05
2 = User who did not use in the past 30 days	1,023	7.49
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	393	2.88
Missing	79	0.58
Total	13,651	100.00

This variable has 13,572 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	12,156	89.05
2 = User who did not use in the past 30 days	1,023	7.49
3 = User who used under 5 days in the past 30 days	250	1.83
4 = User who used 5 or more days in the past 30 days	143	1.05
Missing	79	0.58
Total	13,651	100.00

This variable has 13,572 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	12,156	89.05
2 = User who did not use in the past 30 days	1,023	7.49
3 = User who used under 10 days in the past 30 days	310	2.27

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

4 = User who used 10 or more days in the past 30 days	83	0.61
Missing	79	0.58
Total	13,651	100.00

This variable has 13,572 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	12,156	89.05
2 = User who did not use in the past 30 days	1,023	7.49
3 = User who used under 15 days in the past 30 days	330	2.42
4 = User who used 15 or more days in the past 30 days	63	0.46
Missing	79	0.58
Total	13,651	100.00

This variable has 13,572 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	12,156	89.05
2 = User who did not use in the past 30 days	1,023	7.49
3 = User who used under 20 days in the past 30 days	345	2.53
4 = User who used 20 or more days in the past 30 days	48	0.35
Missing	79	0.58
Total	13,651	100.00

This variable has 13,572 valid cases out of 13,651 total cases.

UMp1_W1_Y_ecigstat_25past30: Youth e-cigarette use status – used at least 25 days in the past 30 days

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

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 respondents¹

Value	Unweighted frequency	%
1 = Never user	12,156	89.05
2 = User who did not use in the past 30 days	1,023	7.49
3 = User who used under 25 days in the past 30 days	363	2.66
4 = User who used 25 or more days in the past 30 days	30	0.22
Missing	79	0.58
Total	13,651	100.00

This variable has 13,572 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	12,156	89.05
2 = User who did not use in the past 30 days	1,023	7.49
3 = User who used under 30 days in the past 30 days	373	2.73
4 = User who used 30 days in the past 30 days	20	0.15
Missing	79	0.58
Total	13,651	100.00

This variable has 13,572 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	12,156	89.05
2 = Non-current user	1,003	7.35
3 = Current user	418	3.06

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

Missing	74	0.54
Total	13,651	100.00

This variable has 13,577 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
0 = No	64	0.47
1 = Yes	354	2.59
Missing	13,233	96.94
Total	13,651	100.00

This variable has 418 valid cases out of 13,651 total cases.

3. Cigarette and E-cigarette Dual Use Variables for PATH Youth Data (Wave 1)

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_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,268	82.54
2 = Non-current user	1,448	10.61
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	415	3.04
6 = Exclusive e-cigarette user for 1 or more days in the past 30 days	204	1.49

¹Those 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	185	1.36
Missing	131	0.96
Total	13,651	100.00

This variable has 13,520 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,268	82.54
2 = Non-current user	1,448	10.61
3 = Exclusive cigarette user under 5 days in the past 30 days	182	1.33
4 = Exclusive e-cigarette user under 5 days in the past 30 days	140	1.03
5 = Exclusive cigarette user for 5 or more days in the past 30 days	233	1.71
6 = Exclusive e-cigarette user for 5 or more days in the past 30 days	64	0.47
7 = Cigarette user under 5 days and e-cigarette user under 5 days in the past 30 days	42	0.31
8 = Cigarette user under 5 days and e-cigarette user for 5 or more days in the past 30 days	21	0.15
9 = Cigarette user for 5 or more days and e-cigarette user under 5 days in the past 30 days	66	0.48
10 = Cigarette user for 5 or more days and e-cigarette user for 5 or more days in the past 30 days	56	0.41
Missing	131	0.96
Total	13,651	100.00

This variable has 13,520 valid cases out of 13,651 total cases.

UMp1_W1_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.

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

Numerator: Number of respondents who are [VALUE]

Denominator: Total number of respondents¹

Value	Unweighted frequency	%
1 = Never user	11,268	82.54
2 = Non-current user	1,448	10.61
3 = Exclusive cigarette user under 10 days in the past 30 days	229	1.68
4 = Exclusive e-cigarette user under 10 days in the past 30 days	165	1.21
5 = Exclusive cigarette user for 10 or more days in the past 30 days	186	1.36
6 = Exclusive e-cigarette user for 10 or more days in the past 30 days	39	0.29
7 = Cigarette user under 10 days and e-cigarette user under 10 days in the past 30 days	63	0.46
8 = Cigarette user under 10 days and e-cigarette user for 10 or more days in the past 30 days	23	0.17
9 = Cigarette user for 10 or more days and e-cigarette user under 10 days in the past 30 days	80	0.59
10 = Cigarette user for 10 or more days and e-cigarette user for 10 or more days in the past 30 days	19	0.14
Missing	131	0.96
Total	13,651	100.00

This variable has 13,520 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,268	82.54
2 = Non-current user	1,448	10.61
3 = Exclusive cigarette user under 15 days in the past 30 days	258	1.89
4 = Exclusive e-cigarette user under 15 days in the past 30 days	179	1.31
5 = Exclusive cigarette user for 15 or more days in the past 30 days	157	1.15
6 = Exclusive e-cigarette user for 15 or more days in the past 30 days	25	0.18
7 = Cigarette user under 15 days and e-cigarette user under 15 days in the past 30 days	75	0.55
8 = Cigarette user under 15 days and e-cigarette user for 15 or more days in the past 30 days	22	0.16
9 = Cigarette user for 15 or more days and e-cigarette user under 15 days in the past 30 days	74	0.54

¹Those 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	14	0.10
Missing	131	0.96
Total	13,651	100.00

This variable has 13,520 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,268	82.54
2 = Non-current user	1,448	10.61
3 = Exclusive cigarette user under 20 days in the past 30 days	287	2.10
4 = Exclusive e-cigarette user under 20 days in the past 30 days	184	1.35
5 = Exclusive cigarette user for 20 or more days in the past 30 days	128	0.94
6 = Exclusive e-cigarette user for 20 or more days in the past 30 days	20	0.15
7 = Cigarette user under 20 days and e-cigarette user under 20 days in the past 30 days	90	0.66
8 = Cigarette user under 20 days and e-cigarette user for 20 or more days in the past 30 days	21	0.15
9 = Cigarette user for 20 or more days and e-cigarette user under 20 days in the past 30 days	69	0.51
10 = Cigarette user for 20 or more days and e-cigarette user for 20 or more days in the past 30 days	5	0.04
Missing	131	0.96
Total	13,651	100.00

This variable has 13,520 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

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

Value	Unweighted frequency	%
1 = Never user	11,268	82.54
2 = Non-current user	1,448	10.61
3 = Exclusive cigarette user under 25 days in the past 30 days	307	2.25
4 = Exclusive e-cigarette user under 25 days in the past 30 days	193	1.41
5 = Exclusive cigarette user for 25 or more days in the past 30 days	108	0.79
6 = Exclusive e-cigarette user for 25 or more days in the past 30 days	11	0.08
7 = Cigarette user under 25 days and e-cigarette user under 25 days in the past 30 days	115	0.84
8 = Cigarette user under 25 days and e-cigarette user for 20 or more days in the past 30 days	15	0.11
9 = Cigarette user for 25 or more days and e-cigarette user under 25 days in the past 30 days	53	0.39
10 = Cigarette user for 25 or more days and e-cigarette user for 25 or more days in the past 30 days	2	0.01
Missing	131	0.96
Total	13,651	100.00

This variable has 13,520 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,268	82.54
2 = Non-current user	1,448	10.61
3 = Exclusive cigarette user under 30 days in the past 30 days	329	2.41
4 = Exclusive e-cigarette user under 30 days in the past 30 days	198	1.45
5 = Exclusive cigarette user for 30 days in the past 30 days	86	0.63
6 = Exclusive e-cigarette user for 30 days in the past 30 days	6	0.04
7 = Cigarette user under 30 days and e-cigarette user under 30 days in the past 30 days	136	1.00
8 = Cigarette user under 30 days and e-cigarette user for 30 days in the past 30 days	11	0.08
9 = Cigarette user for 30 days and e-cigarette user under 30 days in the past 30 days	37	0.27
10 = Cigarette user for 30 days and e-cigarette user for 30 days in the past 30 days	1	0.01
Missing	131	0.96

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

Total	13,651	100.00
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This variable has 13,520 valid cases out of 13,651 total cases.

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never regular user*	12,074	88.45
2 = Non-current user	898	6.58
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	169	1.24
6 = Exclusive e-cigarette user for 1 or more days in the past 30 days	296	2.17
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	93	0.68
Missing	121	0.89
Total	13,651	100.00

*This variable has 13,530 valid cases out of 13,651 total cases. * Never established cigarette and never e-cigarette user.*

UMp1_W1_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 respondents¹

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

Value	Unweighted frequency	%
1 = Never regular user*	12,074	88.45
2 = Non-current user	898	6.58
3 = Exclusive established cigarette user under 5 days in the past 30 days	15	0.11
4 = Exclusive e-cigarette user under 5 days in the past 30 days	192	1.41
5 = Exclusive established cigarette user for 5 or more days in the past 30 days	154	1.13
6 = Exclusive e-cigarette user for 5 or more days in the past 30 days	104	0.76
7 = Established cigarette user under 5 days and e-cigarette user under 5 days in the past 30 days	4	0.03
8 = Established cigarette user under 5 days and e-cigarette user for 5 or more days in the past 30 days	4	0.03
9 = Established cigarette user for 5 or more days and e-cigarette user under 5 days in the past 30 days	52	0.38
10 = Established cigarette user for 5 or more days and e-cigarette user for 5 or more days in the past 30 days	33	0.24
Missing	121	0.89
Total	13,651	100.00

*This variable has 13,530 valid cases out of 13,651 total cases. * Never established cigarette and never e-cigarette user.*

UMp1_W1_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 ≥ 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 respondents¹

Value	Unweighted frequency	%
1 = Never regular user*	12,074	88.45
2 = Non-current user	898	6.58
3 = Exclusive established cigarette user under 10 days in the past 30 days	31	0.23
4 = Exclusive e-cigarette user under 10 days in the past 30 days	233	1.71
5 = Exclusive established cigarette user for 10 or more days in the past 30 days	138	1.01
6 = Exclusive e-cigarette user for 10 or more days in the past 30 days	63	0.46
7 = Established cigarette user under 10 days and e-cigarette user under 10 days in the past 30 days	10	0.07
8 = Established cigarette user under 10 days and e-cigarette user for 10 or more days in the past 30 days	5	0.04

¹Those 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	65	0.48
10 = Established cigarette user for 10 or more days and e-cigarette user for 10 or more days in the past 30 days	13	0.10
Missing	121	0.89
Total	13,651	100.00

*This variable has 13,530 valid cases out of 13,651 total cases. * Never established cigarette and never e-cigarette user.*

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never regular user*	12,074	88.45
2 = Non-current user	898	6.58
3 = Exclusive established cigarette user under 15 days in the past 30 days	44	0.32
4 = Exclusive e-cigarette user under 15 days in the past 30 days	251	1.84
5 = Exclusive established cigarette user for 15 or more days in the past 30 days	125	0.92
6 = Exclusive e-cigarette user for 15 or more days in the past 30 days	45	0.33
7 = Established cigarette user under 15 days and e-cigarette user under 15 days in the past 30 days	13	0.10
8 = Established cigarette user under 15 days and e-cigarette user for 15 or more days in the past 30 days	5	0.04
9 = Established cigarette user for 15 or more days and e-cigarette user under 15 days in the past 30 days	64	0.47
10 = Established cigarette user for 15 or more days and e-cigarette user for 15 or more days in the past 30 days	11	0.08
Missing	121	0.89
Total	13,651	100.00

*This variable has 13,530 valid cases out of 13,651 total cases. * Never established cigarette and never e-cigarette user.*

UMp1_W1_Y_MultiUse_RegC_20past30: Youth cigarette and e-cigarette use status – used at least 20 days in the past 30 days

¹Those 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 ≥ 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 respondents¹

Value	Unweighted frequency	%
1 = Never regular user*	12,074	88.45
2 = Non-current user	898	6.58
3 = Exclusive established cigarette user under 20 days in the past 30 days	63	0.45
4 = Exclusive e-cigarette user under 20 days in the past 30 days	262	1.92
5 = Exclusive established cigarette user for 20 or more days in the past 30 days	107	0.78
6 = Exclusive e-cigarette user for 20 or more days in the past 30 days	34	0.25
7 = Established cigarette user under 20 days and e-cigarette user under 20 days in the past 30 days	19	0.14
8 = Established cigarette user under 20 days and e-cigarette user for 20 or more days in the past 30 days	8	0.06
9 = Established cigarette user for 20 or more days and e-cigarette user under 20 days in the past 30 days	62	0.45
10 = Established cigarette user for 20 or more days and e-cigarette user for 20 or more days in the past 30 days	4	0.03
Missing	121	0.89
Total	13,651	100.00

*This variable has 13,530 valid cases out of 13,651 total cases. * Never established cigarette and never e-cigarette user.*

UMp1_W1_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 ≥ 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 respondents¹

Value	Unweighted frequency	%
1 = Never regular user*	12,074	88.45
2 = Non-current user	898	6.58
3 = Exclusive established cigarette user under 25 days in the past 30 days	73	0.53

¹Those 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	277	2.03
5 = Exclusive established cigarette user for 25 or more days in the past 30 days	96	0.70
6 = Exclusive e-cigarette user for 25 or more days in the past 30 days	19	0.14
7 = Established cigarette user under 25 days and e-cigarette user under 25 days in the past 30 days	36	0.26
8 = Established cigarette user under 25 days and e-cigarette user for 25 or more days in the past 30 days	7	0.05
9 = Established cigarette user for 25 or more days and e-cigarette user under 25 days in the past 30 days	48	0.35
10 = Established cigarette user for 25 or more days and e-cigarette user for 25 or more days in the past 30 days	2	0.01
Missing	121	0.89
Total	13,651	100.00

*This variable has 13,530 valid cases out of 13,651 total cases. * Never established cigarette and never e-cigarette user.*

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never regular user*	12,074	88.45
2 = Non-current user	898	6.58
3 = Exclusive established cigarette user under 30 days in the past 30 days	92	0.67
4 = Exclusive e-cigarette user under 30 days in the past 30 days	284	2.08
5 = Exclusive established cigarette user for 30 days in the past 30 days	77	0.56
6 = Exclusive e-cigarette user for 30 days in the past 30 days	12	0.09
7 = Established cigarette user under 30 days and e-cigarette user under 30 days in the past 30 days	54	0.40
8 = Established cigarette user under 30 days and e-cigarette user for 30 days in the past 30 days	5	0.04
9 = Established cigarette user for 30 days and e-cigarette user under 30 days in the past 30 days	33	0.24
10 = Established cigarette user for 30 days and e-cigarette user for 30 days in the past 30 days	1	0.01
Missing	121	0.89
Total	13,651	100.00

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

*This variable has 13,530 valid cases out of 13,651 total cases. * Never established cigarette and never e-cigarette user.*

UMp1_W1_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 respondents¹

Value	Unweighted frequency	%
1 = Never user	11,268	20.85
2 = Non-current user	1,424	10.43
3 = Exclusive cigarette user in the past 30 days	433	3.17
4 = Exclusive e-cigarette user in the past 30 days	221	1.62
5 = Dual user in the past 30 days	196	1.44
Missing	109	0.80
Total	13,651	100.00

This variable has 13,542 valid cases out of 13,651 total cases.

UMp1_W1_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 ≥ 100 cigarettes in their lifetimes) and/or ever e-cigarette users.

Numerator: Number of respondents who are [VALUE]

Denominator: Total number of respondents¹

Value	Unweighted frequency	%
1 = Never regular user*	12,074	88.45
2 = Non-current user	882	6.46
3 = Exclusive cigarette user in the past 30 days	172	1.26
4 = Exclusive e-cigarette user in the past 30 days	316	2.31
5 = Dual user in the past 30 days	99	0.73
Missing	108	0.79
Total	13,651	100.00

*This variable has 13,543 valid cases out of 13,651 total cases. * Never established cigarette and never e-cigarette user.*

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