

## State-level Tobacco 21 policy variable coding

### Coding:

T21 variable applied at individual level using state, date, and age (to account for age of respondents for exemptions in selected states) (i.e., those who are legally allowed to purchase stay a '0')

0=T21 not implemented

1=T21 implemented for <1 year

2=T21 implemented 1-2 years

3=T21 implemented 3+ years

State	REG_US	Policy Effective Date	W1 (Aug 2017)	W2 (Aug 2018)	W3 (Aug 2019)	W3.5 (Feb 2020)	W4 (Aug 2020)	W4.5 (Feb 2021)	W5 (Aug 2021)
<b>Federal</b>	<b>ALL</b>	<b>2019-12-20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>
Alabama (AL)	1	2021-08-01†; use federal	0	0	0	1	1	2	2
Alaska	2	N/A; use federal	0	0	0	1	1	2	2
Arizona	3	N/A; use federal	0	0	0	1	1	2	2
Arkansas (AR)	4	2019-09-01*	0	0	0	1	1	2	2
California (CA)	5	2016-06-09	2	2	3	3	3	3	3
Colorado (CO)	6	2020-07-14; use federal	0	0	0	1	1	2	2
Connecticut (CT)	7	2019-10-01	0	0	0	1	1	2	2
Delaware (DE)	8	2019-07-16	0	0	1	1	2	2	2
District of Columbia (DC)	9	2017-02-18†	1	2	2	2	3	3	3
Florida (FL)	10	2021-10-01†; use federal	0	0	0	1	1	2	2
Georgia (GA)	11	2021-01-01†; use federal	0	0	0	1	1	2	2
Hawaii (HI)	12	2016-01-01	2	2	3	3	3	3	3
Idaho	13	N/A; use federal	0	0	0	1	1	2	2
Illinois (IL)	14	2019-07-01	0	0	1	1	2	2	2
Indiana (IN)	15	2020-07-01; use federal	0	0	0	1	1	2	2
Iowa (IA)	16	2020-06-29; use federal	0	0	0	1	1	2	2
Kansas	17	N/A; use federal	0	0	0	1	1	2	2
Kentucky (KY)	18	2021-01-01‡; use federal	0	0	0	1	1	2	2
Louisiana (LA)	19	2021-08-01†; use federal	0	0	0	1	1	2	2
Maine (ME)	20	2018-07-01*	0	0 (age 18/19); 1 (age 16/17)	0 (age 19); 2 (age 16/17/18)	2	2	2	3
Maryland (MD)	21	2019-10-01	0	0	0	1	1	2	2
Massachusetts (MA)	22	2018-12-31*	0	0	0 (age 18/19); 1 (age 16/17)	1 (age 19); 2 (age 16/17/18)	2	2	2
Michigan	23	N/A; use federal	0	0	0	1	1	2	2
Minnesota (MN)	24	2020-08-01; use federal	0	0	0	1	1	2	2
Mississippi (MS)	25	2020-07-08; use federal	0	0	0	1	1	2	2
Missouri	26	N/A; use federal	0	0	0	1	1	2	2
Montana	27	N/A; use federal	0	0	0	1	1	2	2
Nebraska (NE)	28	2020-10-01†; use federal	0	0	0	1	1	2	2
Nevada (NV)	29	2021-05-27†; use federal	0	0	0	1	1	2	2
New Hampshire (NH)	30	2020-07-29†; use federal	0	0	0	1	1	2	2
New Jersey (NJ)	31	2017-11-01	0	1	2	2	2	3	3
New Mexico (NM)	32	2021-01-01; use federal	0	0	0	1	1	2	2
New York (NY)	33	2019-11-13	0	0	0	1	1	2	2
North Carolina	34	N/A; use federal	0	0	0	1	1	2	2
North Dakota (ND)	35	2021-08-01†; use federal	0	0	0	1	1	2	2
Ohio (OH)	36	2019-10-17	0	0	0	1	1	2	2
Oklahoma (OK)	37	2020-05-19; use federal	0	0	0	1	1	2	2
Oregon (OR)	38	2018-01-01	0	1	2	2	2	3	3
Pennsylvania (PA)	39	2020-07-01; use federal	0	0	0	1	1	2	2
Rhode Island (RI)	40	2021-07-07†; use federal	0	0	0	1	1	2	2
South Carolina	41	N/A; use federal	0	0	0	1	1	2	2
South Dakota (SD)	42	2020-07-01; use federal	0	0	0	1	1	2	2
Tennessee (TN)	43	2021-01-01; use federal	0	0	0	1	1	2	2
Texas (TX)	44	2019-09-01*	0	0	0	1	1	2	2
Utah (UT)	45	2020-07-01; use federal	0	0	0	1	1	2	2
Vermont (VT)	46	2019-09-01	0	0	0	1	1	2	2
Virginia (VA)	47	2019-07-01	0	0	1	1	2	2	2
Washington (WA)	48	2020-01-01; use federal	0	0	0	1	1	2	2
West Virginia	49	N/A; use federal	0	0	0	1	1	2	2
Wisconsin	50	N/A; use federal	0	0	0	1	1	2	2
Wyoming (WY)	51	2020-07-01; use federal	0	0	0	1	1	2	2

### \*With a phase-in period

Arkansas: phase-in exempts US Military members between 18–20 and individuals born on or has attained 19 years of age as of December 31, 2019

(<https://www.arkleg.state.ar.us/Acts/Document?type=pdf&act=580&ddBienniumSession=2019%2F2019R>)

Maine: phase-in for those born on or before 1 July 2000 (<http://www.mainelegislature.org/legis/statutes/22/title22sec1555-B.html>)

Massachusetts: phase-in State law exempts individuals born on or before 30 December 2000 (<https://www.mass.gov/info-details/massachusetts-law-about-smoking>)

Texas: exemption for military and those born before August 31, 2001 (<https://pdnhf.org/news/e-cigarette-use-particularly-by-youth-is-rapidly-increasing>)

### Sources:

Unless otherwise noted, state-level T21 data obtained from Campaign for Tobacco Free Kids

([https://www.tobaccofreekids.org/assets/content/what\\_we\\_do/state\\_local\\_issues/sales\\_21/states\\_localities\\_MLSA\\_21.pdf](https://www.tobaccofreekids.org/assets/content/what_we_do/state_local_issues/sales_21/states_localities_MLSA_21.pdf))

†State-level T21 date from <https://tobacco21.org>

‡ Legislation passed in Senate March 26, 2020 says "EFFECTIVE January 1, 2021" in the legislation summary (<https://apps.legislature.ky.gov/record/20RS/sb56.html>)

(<https://legiscan.com/KY/bill/SB56/2020>)

### NOTES:

- Prior to federal T21 implementation, MLA for cigarettes was 18, although Alabama, Alaska and Utah had state-level MLA of 19 (CDC, 2018)

- New Jersey had state-level MLA of 19 until 21 was implemented as of November 1, 2017 (<https://www.pbs.org/newshour/nation/new-jersey-may-become-second-state-to-raise-smoking-age-to-21>)

- MLA for e-cigarettes was the same as cigarettes, except in Michigan and Pennsylvania, where there was no state-level provision for e-cigarettes (CDC, 2018)

### Reference:

US Department of Health and Human Services, Centers for Disease Control. STATE System Tobacco 21 Fact Sheet: Minimum Legal Age for Purchasing Tobacco Products by Location. In effect as of September 30, 2018. (<https://chronicdata.cdc.gov/download/873a-af74/application%2Fpdf>)

**State-level cannabis legalization policy variable coding**

**Coding:**

0=Not legal

1=Medical legal

2=Medical and non-medical legal

STATE	REG_US	Medical legal	Non-medical legal	W1 (Aug 2017)	W2 (Aug 2018)	W3 (Aug 2019)	W3.5 (Feb 2020)	W4 (Aug 2020)	W4.5 (Feb 2021)	W5 (Aug 2021)
Alabama	1	2021 (May)	N/A	0	0	0	0	0	0	1
Alaska	2	1998	2015 (Feb)	2	2	2	2	2	2	2
Arizona	3	2010	2020 (Nov)	1	1	1	1	1	2	2
Arkansas	4	2016	N/A	1	1	1	1	1	1	1
California	5	1996	2016 (Nov)	2	2	2	2	2	2	2
Colorado	6	2001	2012 (Dec)	2	2	2	2	2	2	2
Connecticut	7	2012	2021 (Jul)	1	1	1	1	1	1	2
Delaware	8	2011	N/A	1	1	1	1	1	1	1
DC	9	2010	2015 (Feb)	2	2	2	2	2	2	2
Florida	10	2016	N/A	1	1	1	1	1	1	1
Georgia	11	N/A	N/A	0	0	0	0	0	0	0
Hawaii	12	2000	N/A	1	1	1	1	1	1	1
Idaho	13	N/A	N/A	0	0	0	0	0	0	0
Illinois	14	2013	2020 (Jan)	1	1	1	2	2	2	2
Indiana	15	N/A	N/A	0	0	0	0	0	0	0
Iowa	16	N/A	N/A	0	0	0	0	0	0	0
Kansas	17	N/A	N/A	0	0	0	0	0	0	0
Kentucky	18	N/A	N/A	0	0	0	0	0	0	0
Louisiana	19	2016	N/A	1	1	1	1	1	1	1
Maine	20	1999	2017 (Jan)	2	2	2	2	2	2	2
Maryland	21	2014	N/A	1	1	1	1	1	1	1
Massachusetts	22	2013	2016 (Dec)	2	2	2	2	2	2	2
Michigan	23	2008	2018 (Dec)	1	1	2	2	2	2	2
Minnesota	24	2014	N/A	1	1	1	1	1	1	1
Mississippi	25	N/A	N/A	0	0	0	0	0	0	0
Missouri	26	2018 (Dec)	N/A	0	0	1	1	1	1	1
Montana	27	2004	2021 (Jan)	1	1	1	1	1	2	2
Nebraska	28	N/A	N/A	0	0	0	0	0	0	0
Nevada	29	2001	2017 (Jan)	2	2	2	2	2	2	2
New Hampshire	30	2013	N/A	1	1	1	1	1	1	1
New Jersey	31	2010	2021 (Jan)	1	1	1	1	1	2	2
New Mexico	32	2007	2021 (Jun)	1	1	1	1	1	1	2
New York	33	2014	2021 (Mar)	1	1	1	1	1	1	2
North Carolina	34	N/A	N/A	0	0	0	0	0	0	0
North Dakota	35	2016	N/A	1	1	1	1	1	1	1
Ohio	36	2016	N/A	1	1	1	1	1	1	1
Oklahoma	37	2018 (June)	N/A	0	1	1	1	1	1	1
Oregon	38	1998	2015 (Jul)	2	2	2	2	2	2	2
Pennsylvania	39	2016	N/A	1	1	1	1	1	1	1
Rhode Island	40	2006	N/A	1	1	1	1	1	1	1
South Carolina	41	N/A	N/A	0	0	0	0	0	0	0
South Dakota	42	2021 (Aug)	N/A	0	0	0	0	0	0	1
Tennessee	43	N/A	N/A	0	0	0	0	0	0	0
Texas	44	N/A	N/A	0	0	0	0	0	0	0
Utah	45	2018 (Dec)	N/A	0	0	1	1	1	1	1
Vermont	46	2004	2018 (Jul)	1	2	2	2	2	2	2
Virginia	47	2020 (Jul)	2021 (Jul)	0	0	0	0	1	1	2
Washington	48	1998	2012 (Dec)	2	2	2	2	2	2	2
West Virginia	49	2019 (Jul)	N/A	0	0	1	1	1	1	1
Wisconsin	50	N/A	N/A	0	0	0	0	0	0	0
Wyoming	51	N/A	N/A	0	0	0	0	0	0	0

**Sources:**

National Conference of State Legislatures: <https://www.ncsl.org/research/health/state-medical-marijuana-laws.aspx>

ProCon: <https://medicalmarijuana.procon.org/legal-medical-marijuana-states-and-dc/> and

<https://marijuana.procon.org/legal-recreational-marijuana-states-and-dc/>

NORML: <https://norml.org/laws/>

## Provincial age of access for cigarettes

### Coding:

0=MLA 18

1=MLA 19

Province	REG_CA	Age	Coding (all waves)
<b>CANADA (federal)</b>	<b>ALL</b>	<b>18</b>	<b>0</b>
Alberta (AB)	1	18	0
British Columbia (BC)	2	19	1
Manitoba (MB)	3	18	0
New Brunswick (NB)	4	19	1
Newfoundland & Labrador (NL)	5	19	1
Nova Scotia (NS)	7	19	1
Ontario (ON)	9	19	1
Prince Edward Island (PEI)*	10	19*	1
Quebec (QC)	11	18	0
Saskatchewan (SK)	12	18	0

\*NOTE: PEI implemented a MLA of 21 for tobacco products on March 1, 2020, with a transition period exempting those who were already 19 years of age on that date

### Sources:

Government of Canada. Tobacco (Access) Regulations [SOR/99-93]. <https://laws.justice.gc.ca/PDF/SOR-99-93.pdf> (accessed 10 June 2021)

Ontario Tobacco Research Unit. September 2013. Youth Access to Tobacco Products: Monitoring Update. <https://otru.org/wp-content/uploads/2013/10/youth2013.pdf>

Government of Prince Edward Island. 2021. Vaping Laws.

<https://www.princeedwardisland.ca/en/information/health-and-wellness/vaping-laws> (accessed 10 June 2021)

Government of Alberta. 2022. Reducing smoking and vaping – rules and enforcement.

<https://www.alberta.ca/reducing-smoking-and-vaping-rules-and-enforcement.aspx> (accessed 14 April 2022)

**Provincial legalization and age of access for cannabis**

**Coding:**

0=Not legal  
 1=MLA 18  
 2=MLA 19  
 3=MLA 21

Province	REG_CA	Legal Date	Age	Policy Effective Date	Age	W1 (Aug 2017)	W2 (Aug 2018)	W3 (Aug 2019)	W3.5 (Feb 2020)	W4 (Aug 2020)	W4.5 (Feb 2021)	W5 (Aug 2021)
<b>CANADA (federal)</b>	<b>ALL</b>	<b>2018-10-17</b>	<b>18</b>			0	0	1	1	1	1	1
Alberta (AB)	1	2018-10-17	18			0	0	1	1	1	1	1
British Columbia (BC)	2	2018-10-17	19			0	0	2	2	2	2	2
Manitoba (MB)	3	2018-10-17	19			0	0	2	2	2	2	2
New Brunswick (NB)	4	2018-10-17	19			0	0	2	2	2	2	2
Newfoundland & Labrador (NL)	5	2018-10-17	19			0	0	2	2	2	2	2
Nova Scotia (NS)	7	2018-10-17	19			0	0	2	2	2	2	2
Ontario (ON)	9	2018-10-17	19			0	0	2	2	2	2	2
Prince Edward Island (PEI)	10	2018-10-17	19			0	0	2	2	2	2	2
Quebec (QC)	11	2018-10-17	18	2020-01-01	21	0	0	1	3	3	3	3
Saskatchewan (SK)	12	2018-10-17	19			0	0	2	2	2	2	2

**Source:**

<https://www.canada.ca/en/health-canada/services/drugs-medication/cannabis/laws-regulations/provinces-territories.html>