

Supplementary Materials

Supplementary Table 1. ICD-10 Codes for 16 Cause of Death Categories

Cause of Death Category	ICD-10 Codes
Alcohol-induced*	E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86, R78.0, X45, X65, Y15
Alzheimer's disease	G30
Circulatory diseases	I00–I99, excluding I42.6
Diabetes	E10–E14
Drug overdose	X40–X44, X60–X64, X85, Y10–Y14
Firearm-related	W32–W34, X72–X74, X93–X95, Y22–Y24, Y35.0
Homicide**	X85–Y09, excluding X85, X93–X95
Infectious and parasitic diseases	A00–B99
Lung cancer	C33–C34
Mental and behavioral disorders and diseases of the nervous system	F00–F99, G00–G99, excluding F10, G30, G31.2, G62.1, G72.1
Motor vehicle accidents	V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2
Perinatal conditions and congenital anomalies	P00–P96, Q00–Q99
Residual	All remaining causes of death
Respiratory diseases	J00–J99
Screenable/treatable cancers	C18–C21, C50, C53, C61
Suicide**	X60–X84, excluding X60–X64, X65, X72–X74

Notes: The cause of death categories are mutually exclusive and exhaustive.

* Alcohol-induced causes are excluded from all overlapping categories.

** Excludes drug-related and firearm-related homicides and suicides, which are included in the drug overdose and firearm-related deaths categories.

Supplementary Table 2. Contribution of 16 Causes of Death (Years) to Average U.S. Shortfall in Life Expectancy at Birth, Men and Women, 2016

Cause of Death	Men	Women
1. Drug overdose	0.62	0.35
2. Firearm-related	0.54	0.11
3. Homicide	0.04	0.03
4. Alcohol-induced	0.10	0.06
5. Motor vehicle accidents	0.34	0.18
6. Circulatory diseases	1.13	0.99
7. Respiratory diseases	0.11	0.41
8. Diabetes	0.21	0.17
9. Alzheimer's disease	0.15	0.39
10. Mental and behavioral disorders and diseases of the nervous system	0.21	0.34
11. Suicide	-0.10	-0.05
12. Perinatal conditions and congenital anomalies	0.11	0.12
13. Infectious and parasitic diseases	0.19	0.18
14. Lung cancer	-0.04	0.21
15. Screenable/treatable Cancers	-0.10	-0.06
16. Residual	0.01	0.12
U.S. Shortfall (Years)	3.51	3.56

Notes: The cause of death categories are mutually exclusive and exhaustive. Estimates correspond to the bars labeled “Average” in Figure 3 of the main text.