

Circumstances of Suicide Deaths in Maryland: Data from the 2003-2020 Maryland Violent Death Reporting System (MVDRS)

Prepared March 6, 2023 by the
Center for Environmental, Occupational, and Injury Epidemiology (CEOIE)

Please note: The Maryland Vital Statistics Administration provides official death counts and rates for the State of Maryland. They can be viewed online at <https://health.maryland.gov/vsa/Pages/reports.aspx>. The Maryland Violent Death Reporting System is designed to supplement vital statistics data by providing information about the circumstances of violent death. Please refer to the Vital Statistics Administration for case counts and rates.

Circumstance data presented in this report is limited to information documented in the law enforcement and/or medical examiner files. Information on mental health and substance abuse history comes solely from these sources and not medical records or other treatment records.

Cases included in this report:

- Single-suicides of Maryland residents injured in Maryland
- Multiple-suicides of Maryland residents injured in Maryland
- Homicide followed by a single-suicide of Maryland residents injured in Maryland
- Single-suicides of out-of-state residents injured in Maryland

Cases excluded from this report:

- Suicide deaths of out-of-state residents that were injured out-of-state and died in Maryland

Table of Contents

Industry and Occupation

Table 1: Usual Industry of Suicide Decedents 18 Years and Older in Maryland, 2020..... 4
 Table 2: Usual Occupation of Suicide Decedents 18 Years and Older in Maryland, 2020..... 5

Service in the U.S. Armed Forces

Table 3: Service in the U.S. Armed Forces Trends, 2003-2020 6
 Figure 1: Prevalence of Service in the U.S. Armed Forces, 2020 6
 Figure 2: Service in the U.S. Armed Forces Trends, 2003-2020 6

Suicidal Ideation and Behavior

Table 4: Suicidal Ideation and Behavior Trends, 2003-2020 7
 Figure 3: Prevalence of Suicidal Ideation and Behavior, 2020 8
 Figure 4: Prevalence of Suicidal Ideation and Behavior by Sex, 2020 8
 Figure 5: Prevalence of Suicidal Ideation and Behavior by Age (years), 2020 9
 Figure 6: Prevalence of Suicidal Ideation and Behavior by Race/Ethnicity, 2020 9
 Figure 7: Prevalence of Suicidal Ideation and Behavior by Service in the U.S. Armed Forces, 2020 10
 Figure 8: Prevalence of Suicidal Ideation and Behavior by Urban-Rural Classification of County of Residence, 2020 10

Mental Health, Substance Abuse, and Other Addiction

Table 5: Mental Health, Substance Abuse, and Other Addiction Trends, 2003-2020 11
 Figure 9: Prevalence of Mental Health, Substance Abuse, and Other Addiction, 2020 12
 Figure 10: Prevalence of Mental Health, Substance Abuse, and Other Addiction by Sex, 2020 12
 Figure 11: Prevalence of Mental Health, Substance Abuse, and Other Addiction by Age (years), 2020 13
 Figure 12: Prevalence of Mental Health, Substance Abuse, and Other Addiction by Race/Ethnicity, 2020 13
 Figure 13: Prevalence of Mental Health, Substance Abuse, and Other Addiction by Service in the U.S. Armed Forces, 2020 14
 Figure 14: Prevalence of Mental Health, Substance Abuse, and Other Addiction by Urban-Rural Classification of County of Residence, 2020 14

Table of Contents Continued

Relationship Issues

Table 6: Relationship Issues Trends, 2003-2020 15

Figure 15: Prevalence of Relationship Issues, 2020 16

Figure 16: Prevalence of Relationship Issues by Sex, 2020 16

Figure 17: Prevalence of Relationship Issues by Age (years), 2020 17

Figure 18: Prevalence of Relationship Issues by Race/Ethnicity, 2020 17

Figure 19: Prevalence of Relationship Issues by Service in U.S. Armed Forces, 2020 18

Figure 20: Prevalence of Relationship Issues by Urban-Rural Classification of County of Residence, 2020 18

Life Stressors

Table 7: Life Stressors Trends, 2003-2020 19

Figure 21: Prevalence of Life Stressors, 2020 20

Figure 22: Prevalence of Life Stressors by Sex, 2020 20

Figure 23: Prevalence of Life Stressors by Age (years), 2020 21

Figure 24: Prevalence of Life Stressors by Race/Ethnicity, 2020 21

Figure 25: Prevalence of Life Stressors by Service in the U.S. Armed Forces, 2020 22

Figure 26: Prevalence of Life Stressors by Urban-Rural Classification of County of Residence, 2020 22

Primary Mechanism/Weapon

Table 8: Primary Mechanism/Weapon Trends, 2003-2020 23

Figure 27: Prevalence of Primary Mechanism/Weapon, 2020 24

Figure 28: Primary Mechanism/Weapon Trends, 2003-2020 24

Figure 29: Prevalence of Primary Mechanism/Weapon by Sex, 2020 25

Figure 30: Prevalence of Primary Mechanism/Weapon by Age (years), 2020 25

Figure 31: Prevalence of Primary Mechanism/Weapon by Race/Ethnicity, 2020 26

Figure 32: Prevalence of Primary Mechanism/Weapon by Service in the U.S. Armed Forces, 2020 26

Figure 33: Prevalence of Primary Mechanism/Weapon by Urban-Rural Classification of County of Residence, 2020 27

Circumstances of Suicide Deaths in Maryland: 2003-2020 MVDRS

Table 1: Usual Industry¹ of Suicide Decedents 18 Years and Older in Maryland, 2020

Usual Industry Sector ¹	n	%
Construction	62	11.4%
Public Administration	54	9.9%
Retail Trade	38	7.0%
Manufacturing	37	6.8%
Not in workforce (homemaker, student, volunteer, unable to work)	33	6.1%
Accommodation and Food	30	5.5%
Professional, Scientific, and Technical Services	30	5.5%
Other Services (except Public Administration)	29	5.3%
Educational Services	28	5.1%
Transportation and Warehousing	27	5.0%
Health Care and Social Assistance	23	4.2%
Military	20	3.7%
Administrative and Support and Waste Management and Remediation Services	19	3.5%
Information	12	2.2%
Finance and Insurance	11	2.0%
All other industries ²	39	7.2%
Missing, unknown, and not enough information	53	9.7%
Total	545	100.0%

¹Major industry sectors defined using the 2012 North American Industry Classification System (NAICS).

²All other industries includes: arts, entertainment, and recreation; agriculture, forestry, fishing and hunting; real estate rental, and leasing; utilities; wholesale trade; mining, quarrying, and oil and gas extraction.

Most Common Usual Industry, by Sex
<p>Among males:</p> <ol style="list-style-type: none"> 1. Construction (13.6%) 2. Public administration (9.7%) 3. Retail trade (7.9%) <p>Among females:</p> <ol style="list-style-type: none"> 1. Not in workforce (16.5%) 2. Public administration (10.7%) 3. Healthcare and social assistance (10.7%)

Most Common Usual Industry, by Race and Ethnicity
<p>Among White, Non-Hispanics:</p> <ol style="list-style-type: none"> 1. Construction (11.8%) 2. Public administration (10.0%) 3. Manufacturing (8.2%) <p>Among all other race/ethnicities:</p> <ol style="list-style-type: none"> 1. Construction (10.4%) 2. Accommodation and food services (10.4%) 3. Public administration (9.7%)

Most Common Usual Industry, by Age Group
<p>Among <25 year-olds:</p> <ol style="list-style-type: none"> 1. Not in workforce (27.5%) <p>Among 25-44 year-olds:</p> <ol style="list-style-type: none"> 1. Construction (11.3%) 2. Public administration (8.2%) 3. Accommodation and food services (7.7%) <p>Among 45-64 year-olds:</p> <ol style="list-style-type: none"> 1. Construction (12.4%) 2. Public administration (8.9%) 3. Manufacturing (8.3%) <p>Among 65+ year-olds:</p> <ol style="list-style-type: none"> 1. Public administration (16.9%) 2. Construction (11.5%) 3. Educational services (9.2%)

Table 2: Usual Occupation¹ of Suicide Decedents 18 Years and Older in Maryland, 2020

Usual Major Occupation ¹	n	%
Construction and Extraction	54	9.9%
Repair	40	7.3%
Transportation and Material Moving	40	7.3%
Management	38	7.0%
Sales and Related	34	6.2%
Not in workforce (homemaker, student, volunteer, unable to work)	33	6.1%
Food Preparation and Serving Related	25	4.6%
Production	24	4.4%
Office and Administrative Support	23	4.2%
Computer and Mathematical	22	4.0%
Military	21	3.9%
Education, Training, and Library	16	2.9%
Arts, Design, Entertainment, Sports, and Media	15	2.8%
Protective Service	15	2.8%
Maintenance	14	2.6%
Business and Financial Operations	14	2.6%
Technical	14	2.6%
Architecture and Engineering	12	2.2%
Personal Care and Service	11	2.0%
All Other Occupations ²	24	4.4%
Missing, unknown, inadequate response to code	56	10.3%
Total	545	100.0%

¹Usual occupation defined using the 2010 Standard Occupational Classification (SOC) system major groups.

²All other occupations includes: life, physical, and social science occupations; legal occupations; farming, fishing, and forestry occupations; community and social service occupations; healthcare support occupations.

Most Common Usual Occupation, by Sex

Among **males**:

1. Construction and extraction occupations (10.2%)
2. Installation, maintenance, and repair occupations (7.7%)
3. Transportation and material moving occupations (5.9%)

Among **females**:

1. Not in workforce (16.5%)
2. Office and administrative support occupations (11.7%)
3. Management occupations (10.7%)

Most Common Usual Occupation, by Race and Ethnicity

Among **White, Non-Hispanics**:

1. Construction and extraction occupations (13.9%)
2. Management occupations (11.7%)
3. Not in workforce (7.3%)

Among **all other race/ethnicities**:

1. Transportation and material moving occupations (12.6%)
2. Not in workforce (15.5%)
3. Construction and extraction occupations (14.4%)

Most Common Usual Occupation, by Age Group

Among **<25 year-olds**:

1. Not in workforce (27.5%)

Among **25-44 year-olds**:

1. Construction and extraction occupations (9.2%)
2. Installation, maintenance, and repair occupations (9.2%)
3. Transportation and material moving occupations (7.2%)

Among **45-64 year-olds**:

1. Construction and extraction occupations (10.7%)
2. Sales and related occupations (8.9%)
3. Management occupations (7.1%)

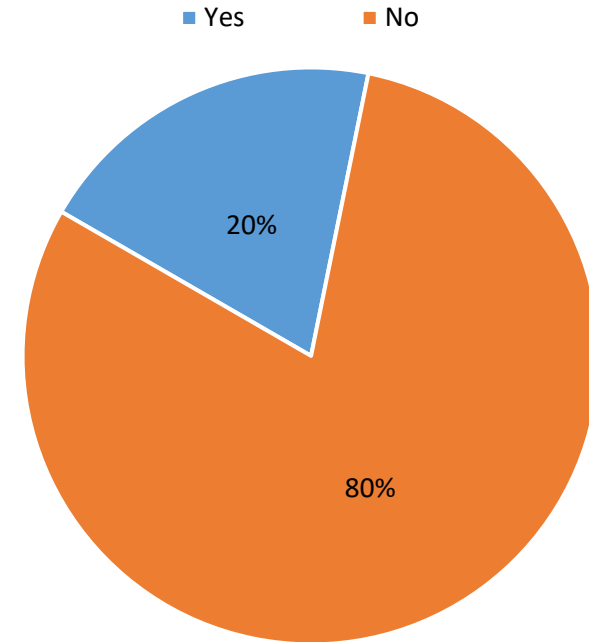
Among **65+ year-olds**:

1. Management occupations (12.3%)
2. Construction and extraction occupations (10.8%)
3. Transportation and material moving occupations (10.0%)

Table 3: Service in the U.S. Armed Forces Trends, 2003-2020

Year	Yes n (%)	No n (%)	Total ¹ n
2003	112 (22.4)	387 (77.6)	499
2004	104 (21.9)	370 (78.1)	474
2005	110 (23.8)	352 (76.2)	462
2006	94 (19.1)	397 (80.9)	491
2007	104 (21.4)	381 (78.6)	485
2008	94 (19.8)	381 (80.2)	475
2009	101 (18.2)	453 (81.8)	554
2010	90 (18.0)	411 (82.0)	501
2011	105 (19.2)	442 (80.8)	547
2012	113 (20.4)	442 (79.6)	555
2013	104 (18.7)	453 (81.3)	557
2014	101 (17.9)	434 (82.1)	564
2015	107 (19.6)	438 (80.4)	545
2016	99 (16.2)	475 (83.8)	567
2017	109 (17.4)	519 (82.6)	628
2018	113 (17.5)	533 (82.5)	646
2019	92 (15.5)	501 (84.5)	593
² 2020	111 (19.9)	448 (80.1)	559
Total	1856 (19.1)	7846 (80.9)	9702

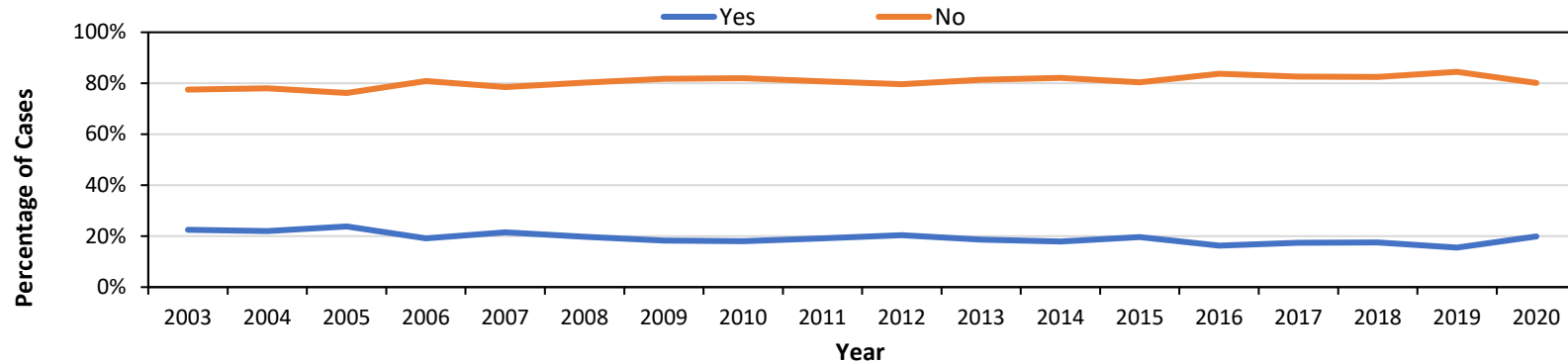
Figure 1: Prevalence of Service in the U.S. Armed Forces, 2020



¹Cases with unknown military history (n=215) were excluded.

²2020 data displayed in Figure 1 to the right.

Figure 2: Service in the U.S. Armed Forces Trends, 2003-2020



Circumstances of Suicide Deaths in Maryland: 2003-2020 MVDRS

Table 4: Suicidal Ideation and Behavior¹ Trends, 2003-2020

Year	History of suicide attempt(s) n (%)	History of suicidal thoughts/plans n (%)	Disclosed their thoughts/plans n (%)	Left a suicide note n (%)	Total n	
2003	82 (16.2)	First collected in 2013	121 (23.9)	175 (34.6)	506	
2004	94 (19.2)		113 (23.1)	155 (31.7)	489	
2005	86 (18.3)		93 (19.8)	169 (36.0)	470	
2006	84 (16.9)		89 (17.9)	150 (30.1)	498	
2007	101 (20.2)		107 (21.4)	168 (33.7)	499	
2008	89 (18.6)		99 (20.7)	151 (31.5)	479	
2009	115 (20.6)		188 (33.7)	199 (35.7)	558	
2010	107 (21.1)		185 (36.4)	174 (34.3)	508	
2011	112 (20.3)		207 (37.5)	188 (34.1)	552	
2012	91 (16.0)		149 (26.1)	200 (35.1)	570	
2013	112 (19.6)		188 (33.0)	133 (23.3)	172 (30.2)	570
2014	128 (21.4)		188 (31.4)	158 (26.4)	196 (32.7)	599
2015	116 (21.1)	182 (33.0)	129 (23.4)	218 (39.6)	551	
2016	110 (18.8)	200 (34.2)	118 (20.2)	221 (37.8)	584	
2017	93 (14.6)	121 (19.0)	111 (17.5)	186 (29.2)	636	
2018	150 (22.7)	248 (37.5)	138 (20.9)	220 (33.3)	661	
2019	120 (18.9)	226 (35.5)	136 (21.4)	210 (33.0)	636	
² 2020	92 (16.9)	181 (31.8)	113 (19.9)	161 (28.3)	569	
Total	1875 (18.9)	1670 (16.8)	2384 (24.0)	3311 (33.4)	9917	

¹Health history data may be incomplete. See note on the cover page (page 1).

²2020 data displayed in Figure 10 on next page.

Figure 3: Prevalence of Suicidal Ideation and Behavior¹, 2020

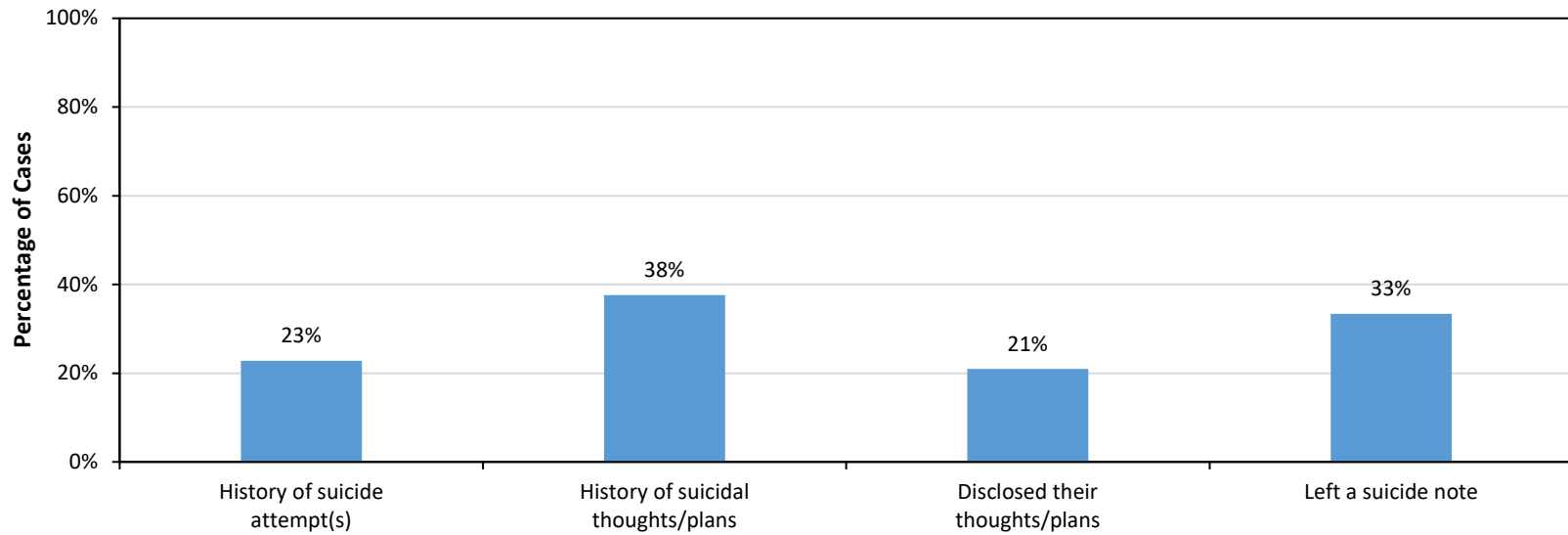
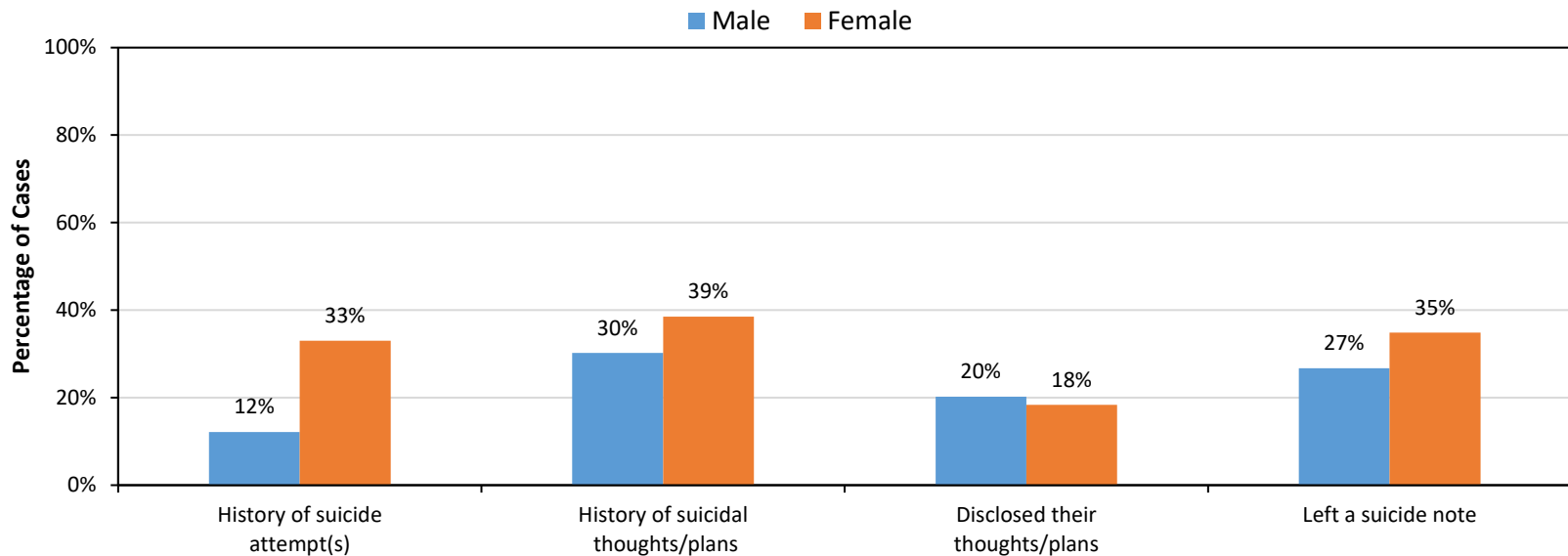


Figure 4: Prevalence of Suicidal Ideation and Behavior¹ by Sex, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

Figure 5: Prevalence of Suicidal Ideation and Behavior¹ by Age Group, 2020

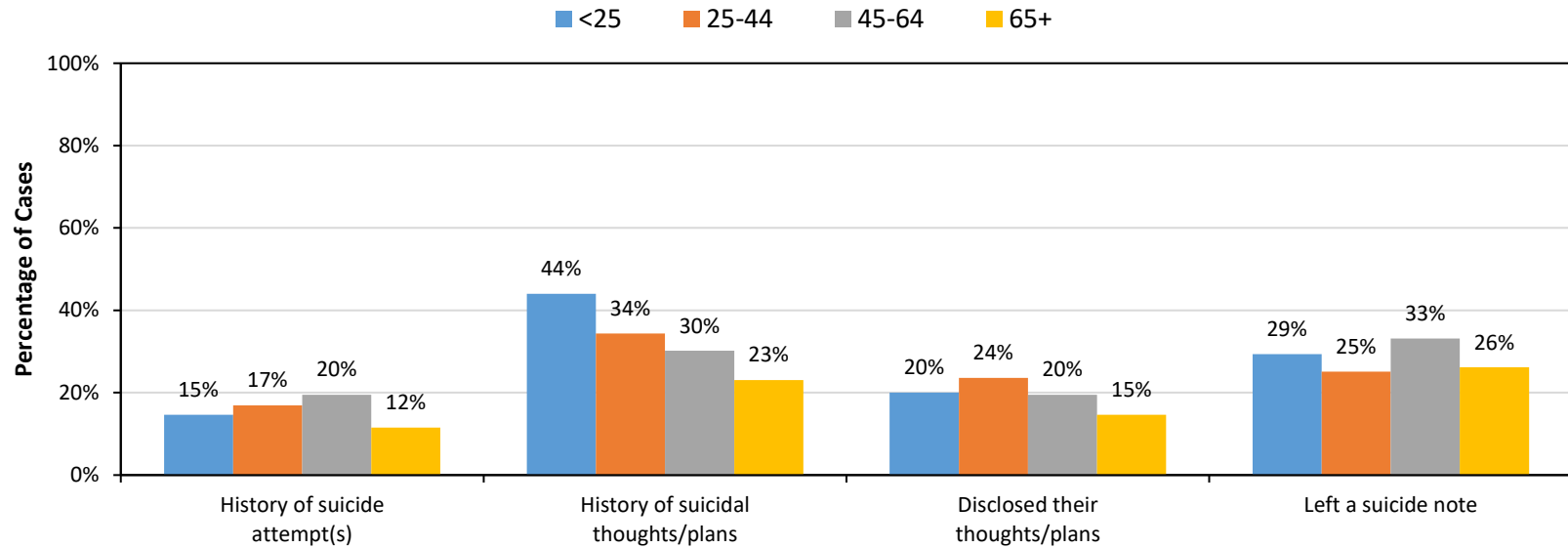
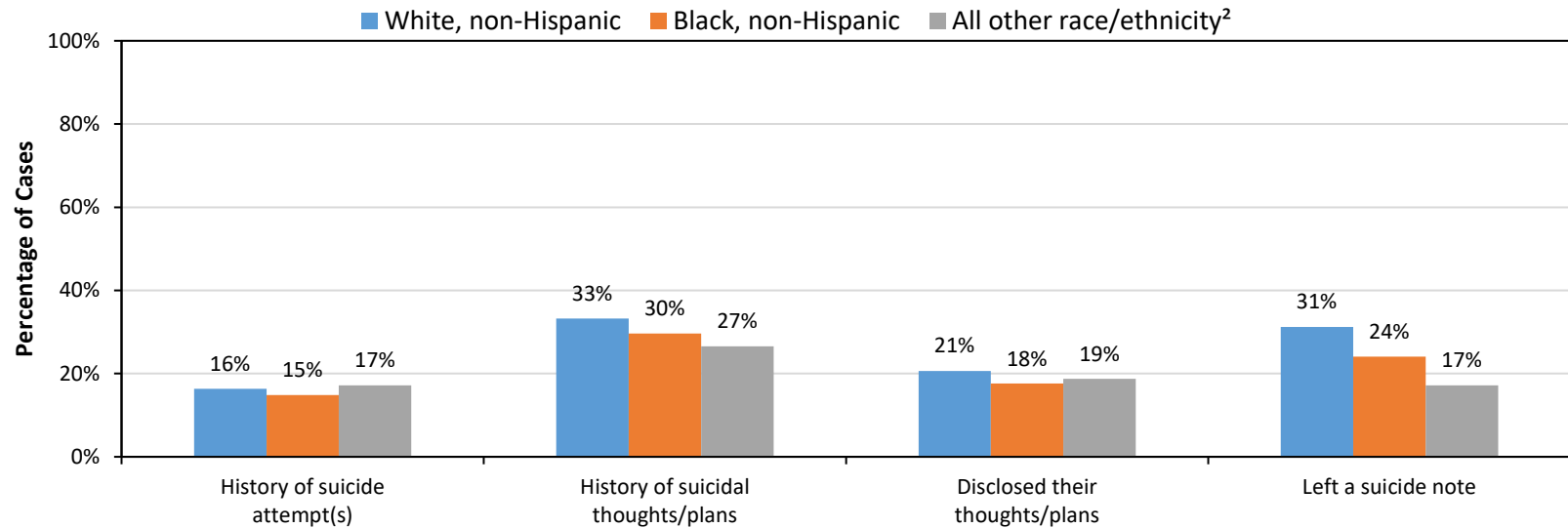


Figure 6: Prevalence of Suicidal Ideation and Behavior¹ by Race/Ethnicity, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

²All other race/ethnicity includes: Asian/Pacific Islander, American Indian/Alaska Native, Hispanic, unknown/unspecified, and two or more races.

Figure 7: Prevalence of Suicidal Ideation and Behavior¹ by Service in the U.S. Armed Forces, 2020

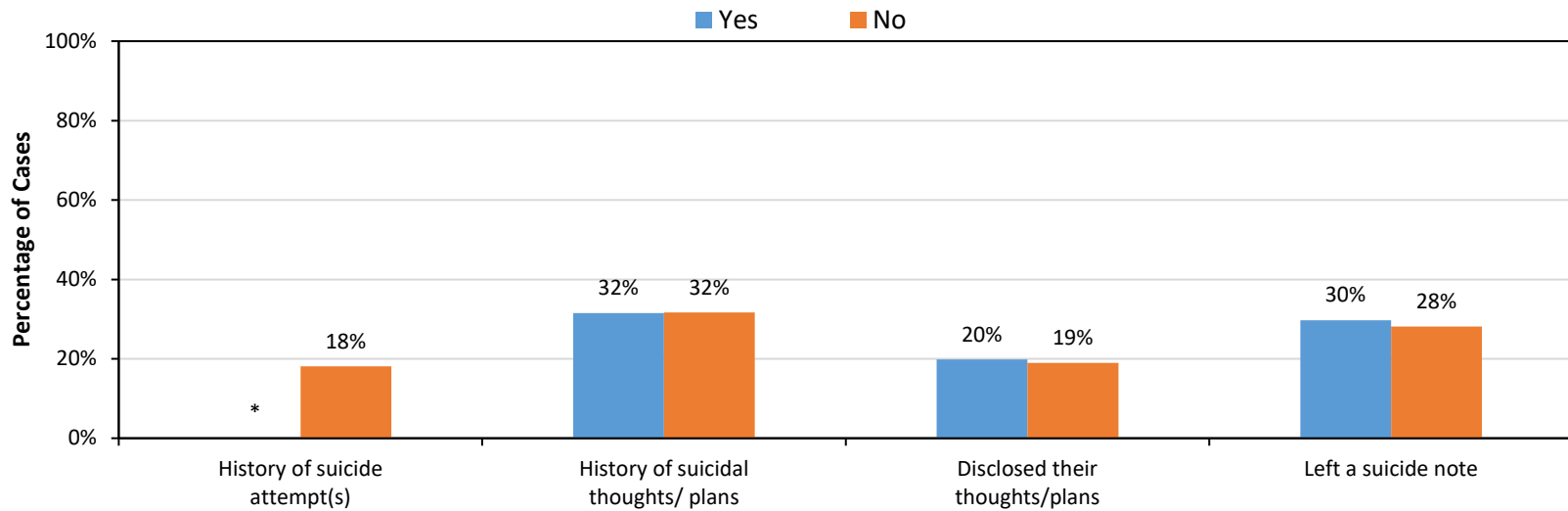
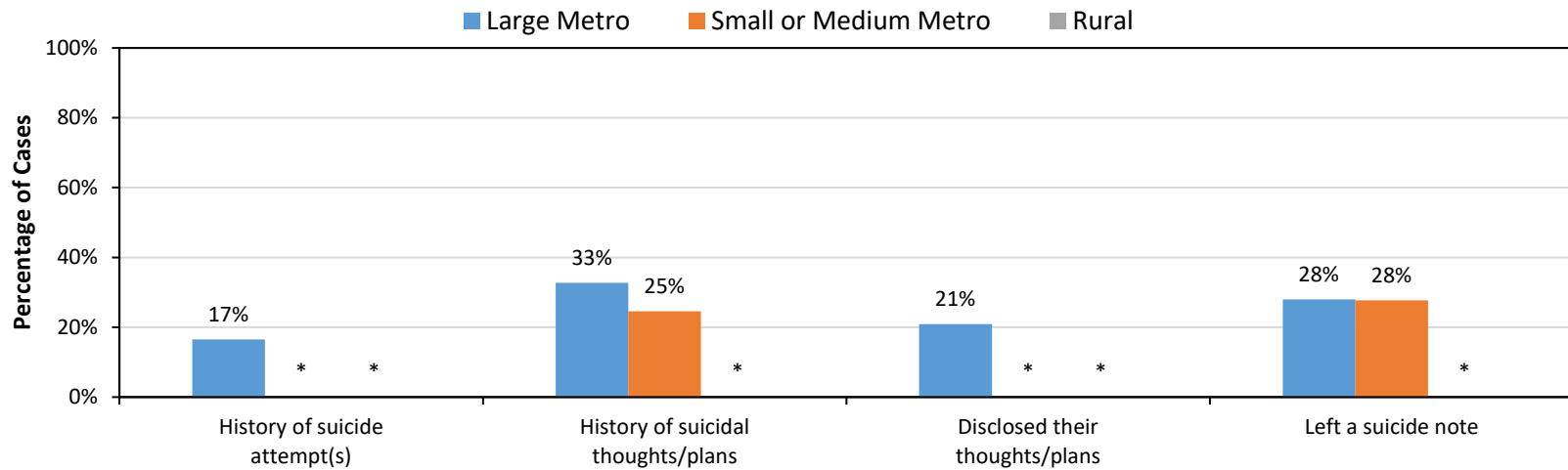


Figure 8: Prevalence of Suicidal Ideation and Behavior¹ by Urban-Rural² Classification of County of Residence, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

²**Large metro**: counties in central or fringe metropolitan statistical areas of 1 million or more population; **small or medium metro**: counties in metropolitan statistical areas of populations less than 999,999; **rural**: counties in micropolitan statistical areas and nonmetropolitan counties of less than 49,999 (defined by the 2013 NCHS Urban-Rural Classification Scheme for Counties).

Table 5: Mental Health, Substance Abuse, and Other Addiction¹ Trends, 2003-2020

Year	Had a mental health problem n (%)	Depressed mood at time of injury n (%)	In treatment for mental health or substance abuse n (%)	Ever treated for mental health or substance abuse n (%)	Alcohol dependence or problem n (%)	Other substance abuse problem n (%)	Total n
2003	211 (41.5)	142 (27.9)	174 (34.2)	210 (41.3)	89 (17.6)	79 (15.5)	506
2004	237 (48.4)	142 (29.0)	189 (38.6)	237 (48.4)	86 (17.6)	79 (16.1)	489
2005	190 (40.3)	103 (21.9)	107 (22.7)	193 (41.0)	89 (18.9)	63 (13.4)	470
2006	185 (37.1)	98 (19.7)	91 (18.3)	187 (37.6)	88 (17.7)	91 (18.3)	498
2007	258 (51.4)	119 (23.7)	138 (27.5)	249 (49.6)	115 (23.0)	89 (17.7)	499
2008	236 (48.8)	135 (27.9)	104 (21.5)	228 (47.1)	98 (20.5)	83 (17.1)	479
2009	268 (47.9)	222 (39.7)	135 (24.2)	247 (44.2)	115 (20.6)	101 (18.1)	558
2010	219 (42.7)	244 (47.6)	120 (23.4)	184 (35.9)	78 (15.4)	88 (17.2)	508
2011	229 (41.3)	261 (47.1)	156 (28.2)	205 (37.0)	104 (18.8)	94 (17.0)	552
2012	196 (34.3)	227 (39.7)	118 (20.6)	155 (27.1)	55 (9.6)	75 (13.1)	570
2013	249 (43.5)	235 (41.0)	166 (29.0)	211 (36.8)	85 (14.9)	92 (16.1)	570
2014	293 (48.8)	166 (27.6)	157 (26.1)	199 (33.1)	78 (13.0)	83 (13.8)	599
2015	305 (55.2)	153 (27.7)	142 (25.7)	210 (38.0)	119 (21.6)	102 (18.4)	551
2016	313 (53.2)	156 (26.5)	98 (16.7)	249 (42.3)	112 (19.2)	81 (13.8)	584
2017	270 (42.1)	124 (19.3)	93 (14.5)	197 (30.7)	90 (14.2)	86 (13.5)	636
2018	340 (51.4)	175 (26.5)	184 (27.8)	230 (34.8)	125 (18.9)	110 (16.6)	661
2019	328 (51.6)	159 (25.0)	156 (24.5)	190 (30.0)	126 (19.8)	91 (14.3)	636
² 2020	276 (48.5)	135 (23.7)	136 (23.9)	161 (28.3)	103 (18.1)	73 (12.8)	569
Total	4594 (46.3)	2994 (30.2)	2459 (24.8)	3736 (37.7)	1754 (17.7)	1559 (15.7)	9917

¹Health history data may be incomplete. See note on the cover page (page 1).

²2020 data displayed in Figure 16 on next page.

Figure 9: Prevalence of Mental Health, Substance Abuse, and Other Addiction¹, 2020

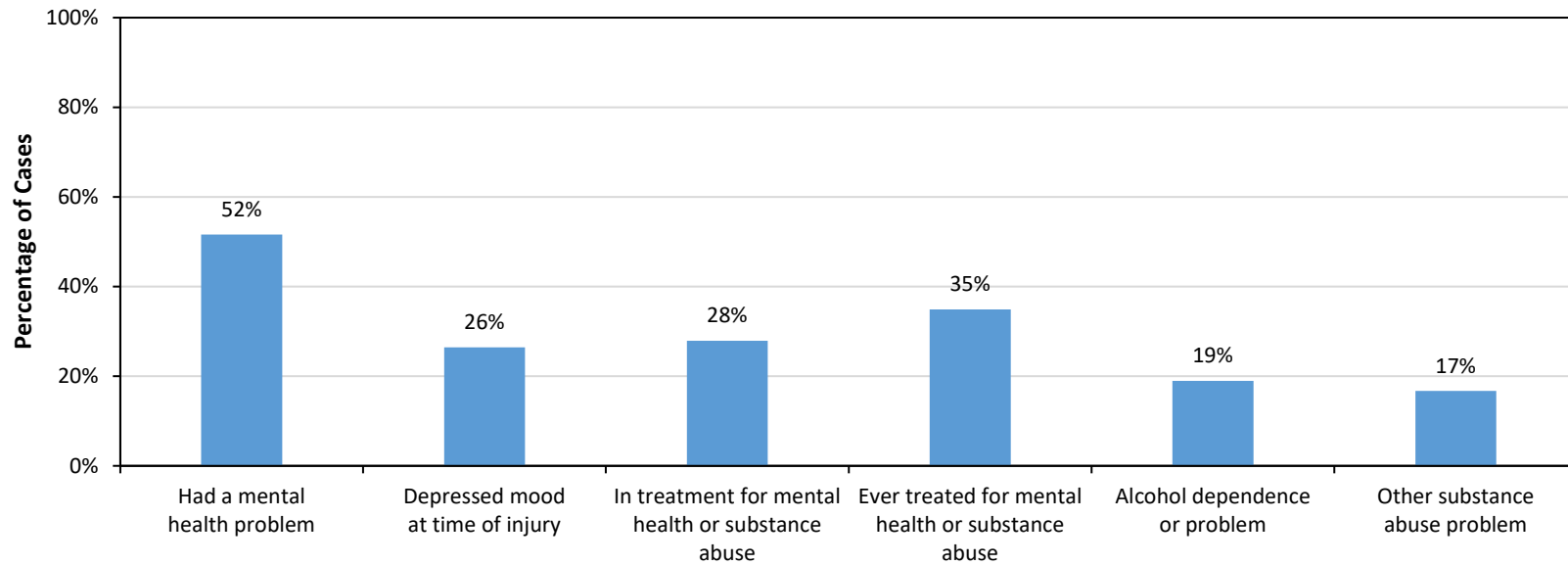
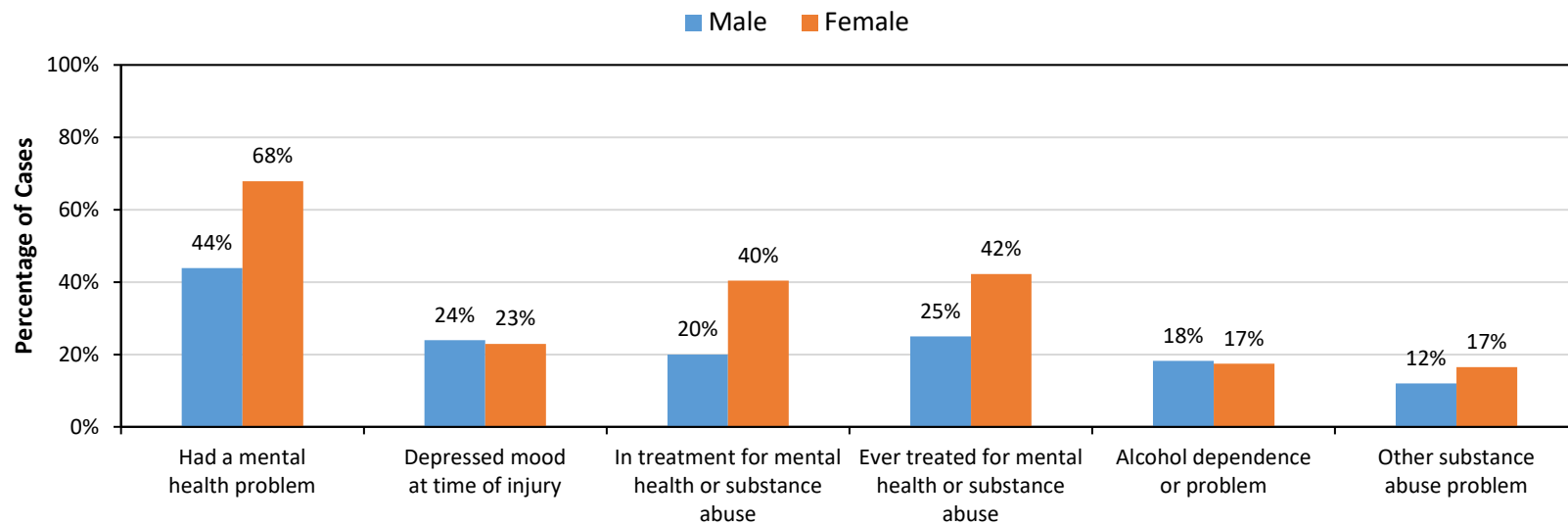


Figure 10: Prevalence of Mental Health, Substance Abuse, and Other Addiction¹ by Sex, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

Figure 11: Prevalence of Mental Health, Substance Abuse, and Other Addiction¹ by Age (years), 2020

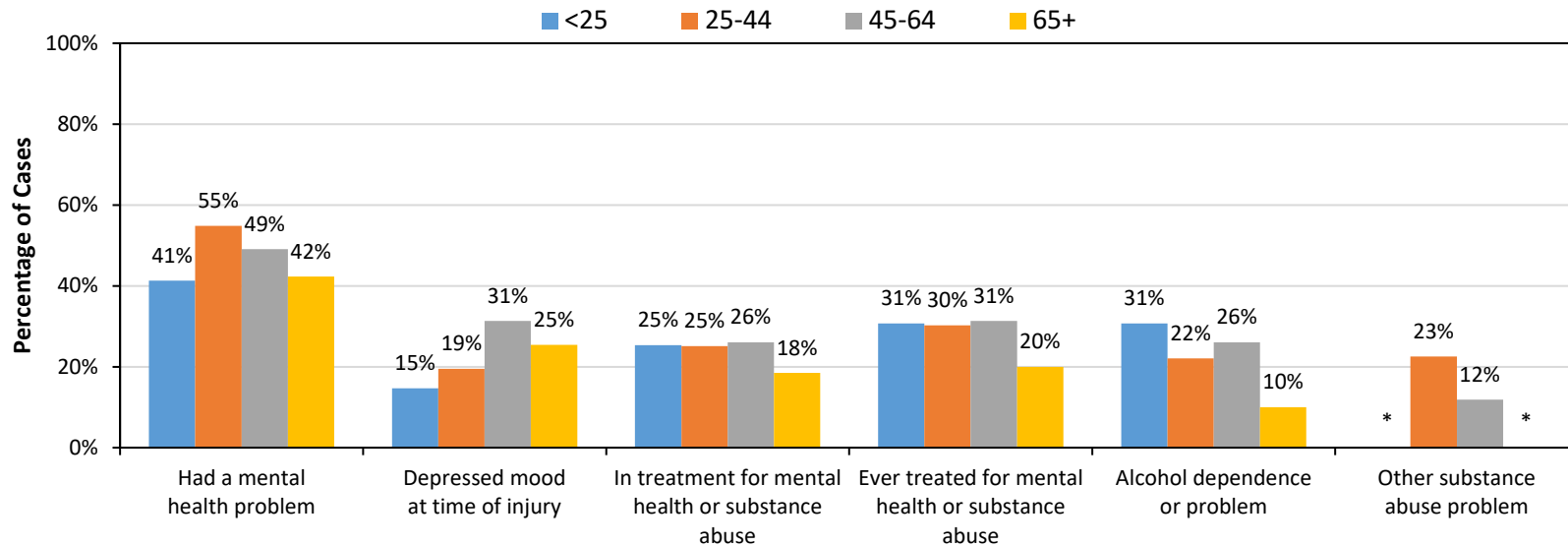
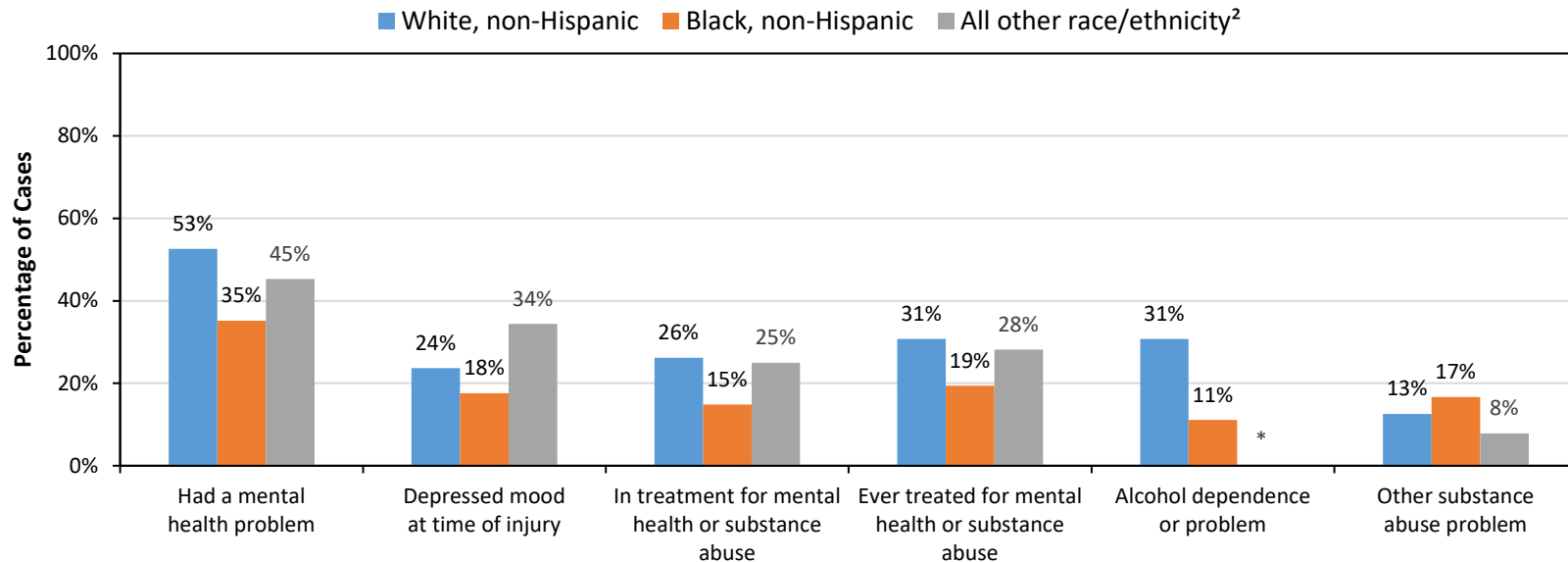


Figure 12: Prevalence of Mental Health, Substance Abuse, and Other Addiction¹ by Race/Ethnicity, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

²All other race/ethnicity includes: Asian/Pacific Islander, American Indian/Alaska Native, Hispanic, unknown/unspecified, and two or more races.

Figure 13: Prevalence of Mental Health, Substance Abuse, and Other Addiction¹ by Service in the U.S. Armed Forces, 2020

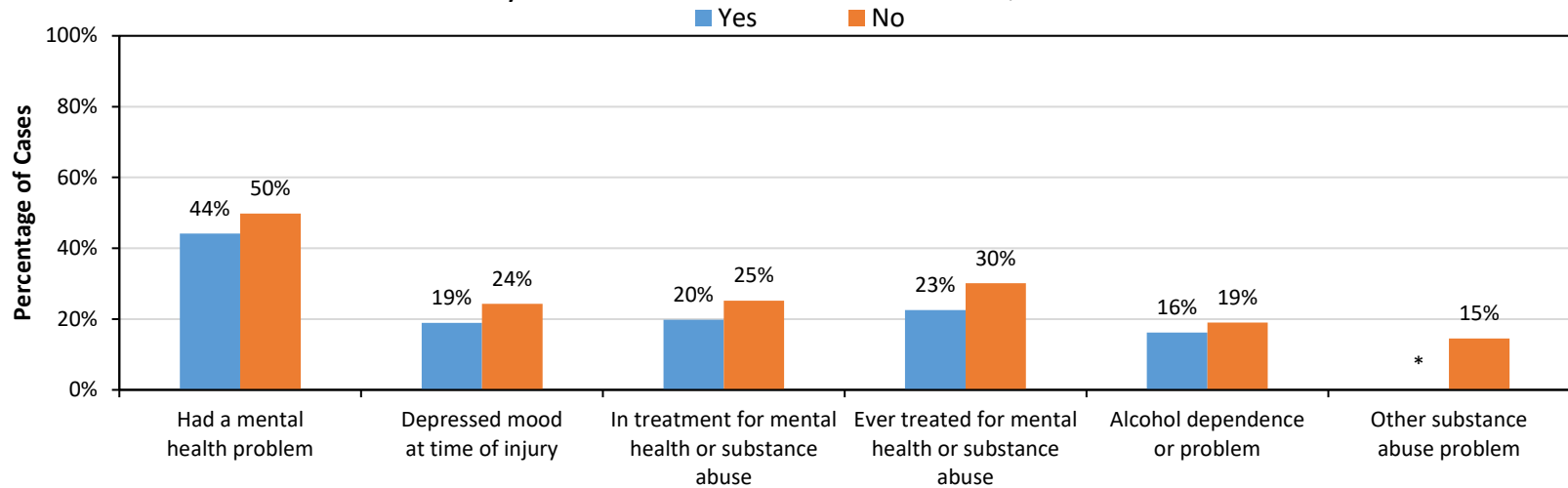
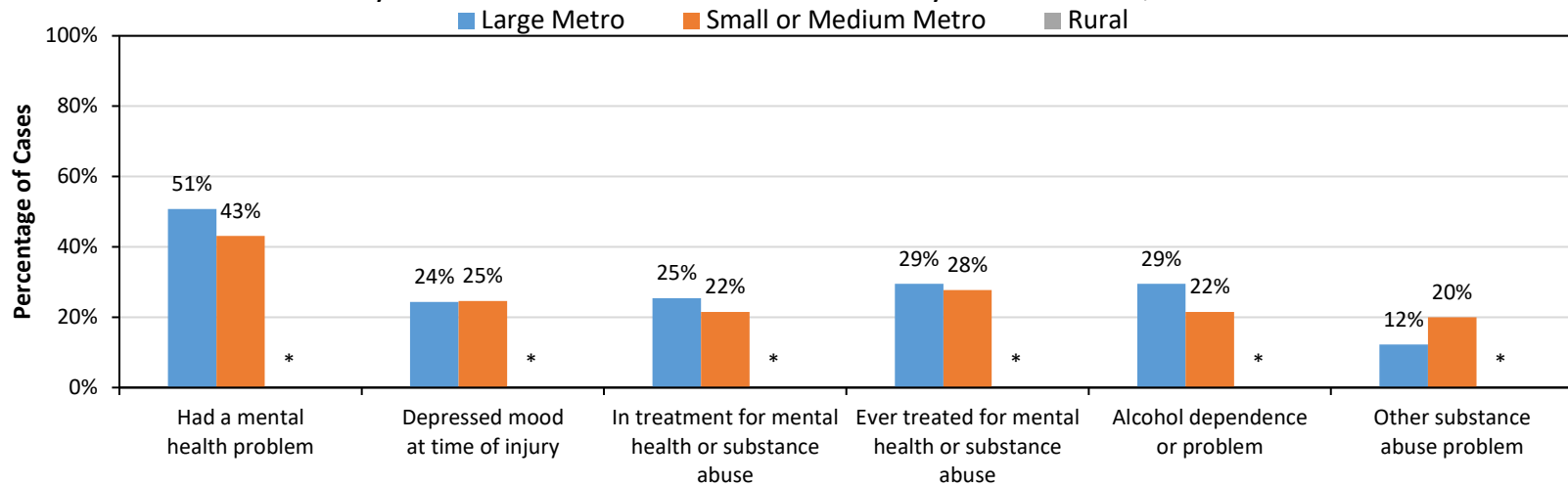


Figure 14: Prevalence of Mental Health, Substance Abuse, and Other Addiction¹ by Urban-Rural² Classification of County of Residence, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

²**Large metro**: counties in central or fringe metropolitan statistical areas of 1 million or more population; **small or medium metro**: counties in metropolitan statistical areas of populations less than 999,999; **rural**: counties in micropolitan statistical areas and nonmetropolitan counties of less than 49,999 (defined by the 2013 NCHS Urban-Rural Classification Scheme for Counties).

Table 6: Relationship Issues¹ Trends, 2003-2020

Year	Problem with current or former intimate partner n (%)	Problem with family member n (%)	Argument/conflict led to death n (%)	Total n		
2003	117 (23.1)	First collected in 2013		506		
2004	96 (19.6)			489		
2005	101 (21.5)			470		
2006	119 (23.9)			498		
2007	132 (26.5)			499		
2008	108 (22.5)			479		
2009	144 (25.8)			558		
2010	144 (28.3)			508		
2011	146 (26.4)			552		
2012	136 (23.9)			570		
2013	157 (27.5)			34 (6.0)	83 (14.6)	570
2014	146 (24.4)			41 (6.8)	71 (11.9)	599
2015	96 (17.4)			15 (2.7)	65 (11.8)	551
2016	92 (15.8)	21 (3.6)	65 (11.1)	584		
2017	107 (16.8)	15 (2.4)	73 (11.5)	636		
2018	147 (22.2)	37 (5.6)	87 (13.2)	661		
2019	129 (20.3)	28 (4.4)	74 (11.6)	636		
² 2020	123 (21.6)	20 (3.5)	77 (13.5)	569		
Total	2238 (22.6)	312 (3.1)	818 (8.2)	9917		

¹Health history data may be incomplete. See note on the cover page (page 1).

²2020 data displayed in Figure 22 on next page.

Figure 15: Prevalence of Relationship Issues¹, 2020

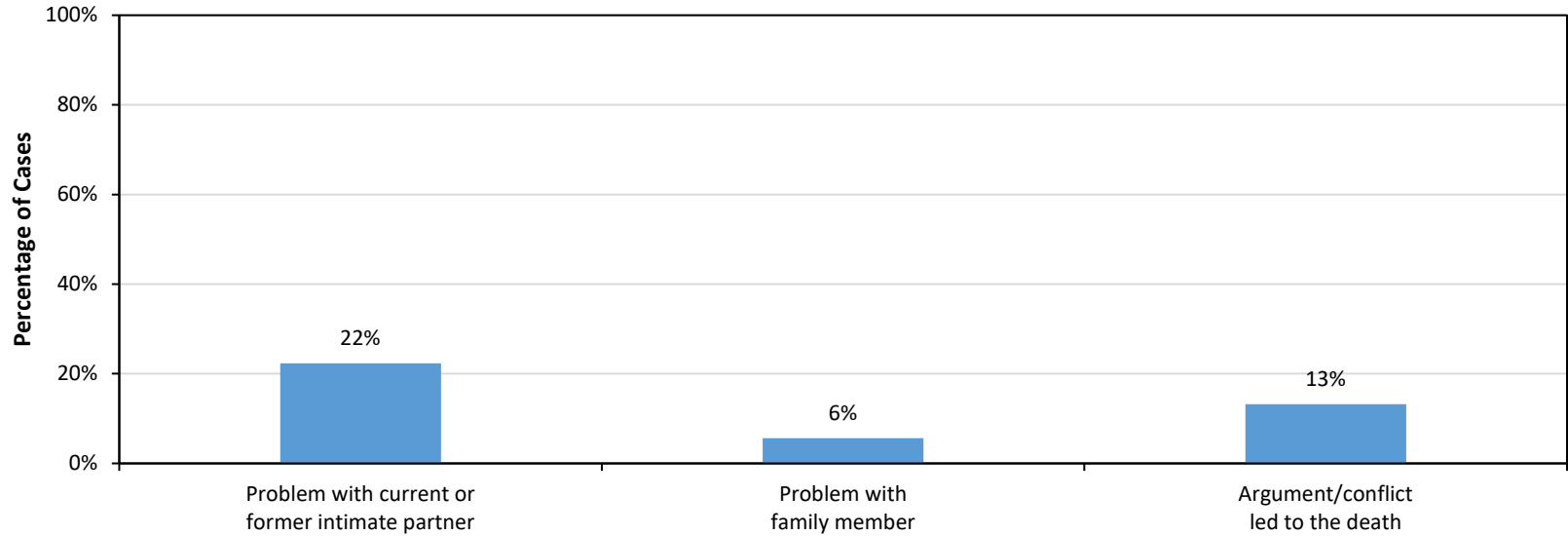
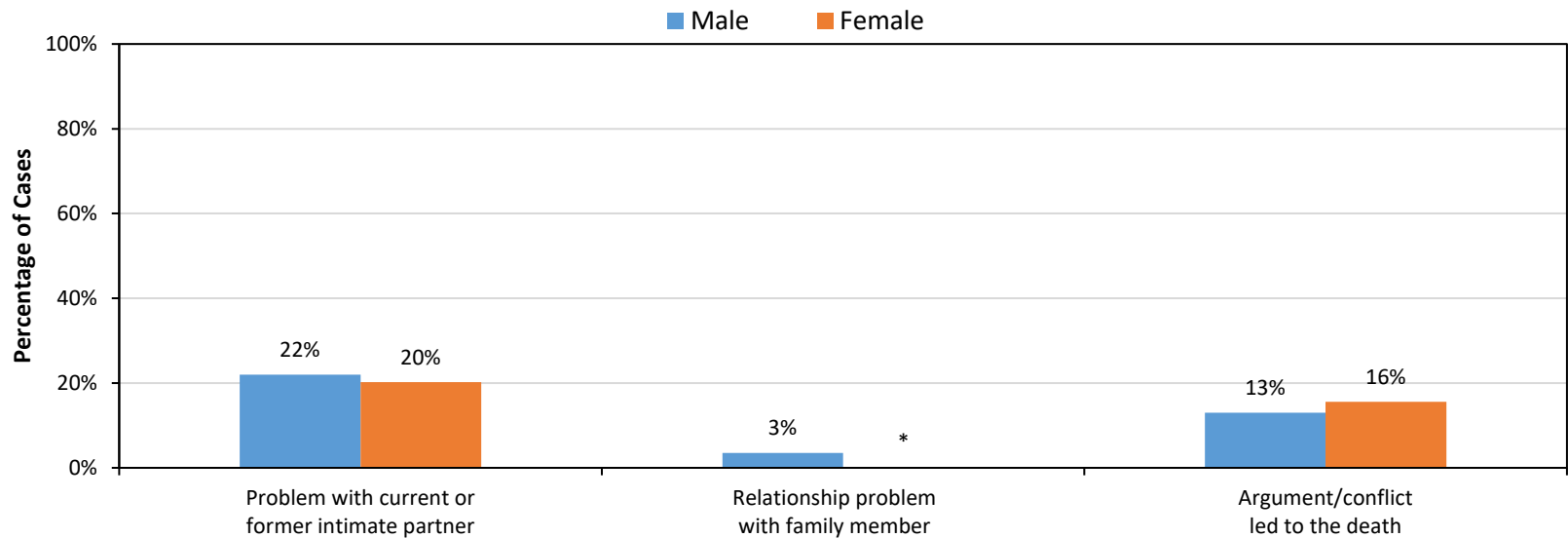


Figure 16: Prevalence of Relationship Issues by Sex¹, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

Figure 17: Prevalence of Relationship Issues¹ by Age (years), 2020

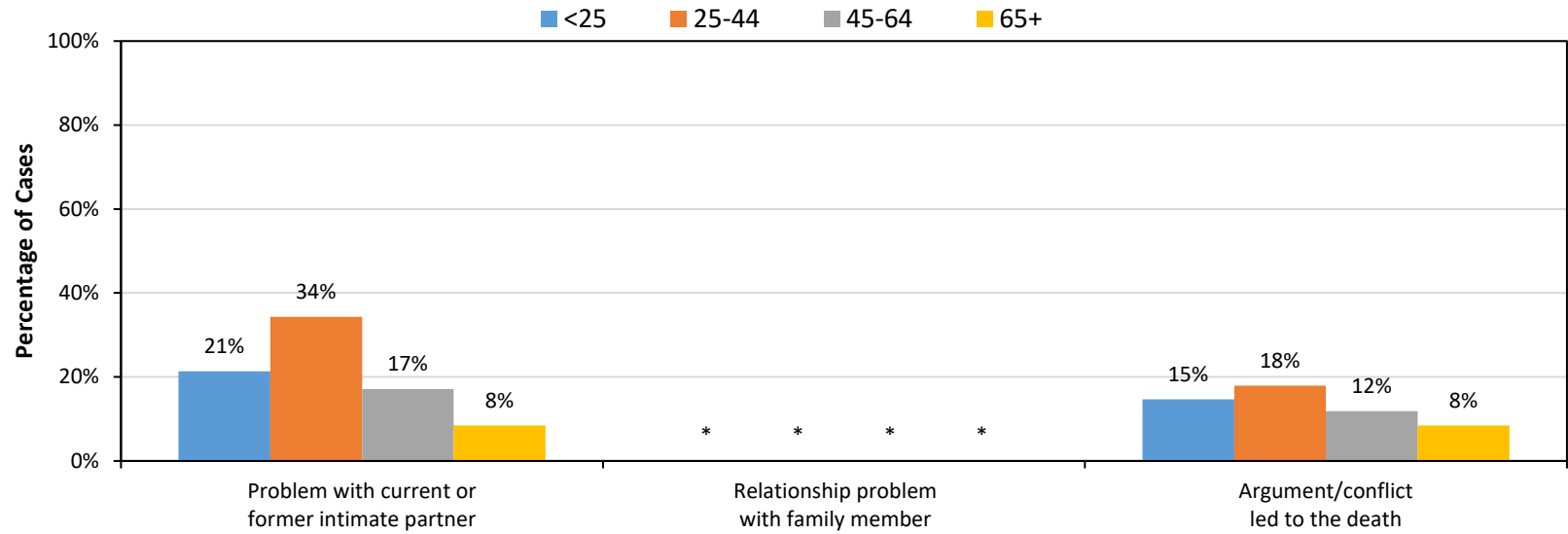
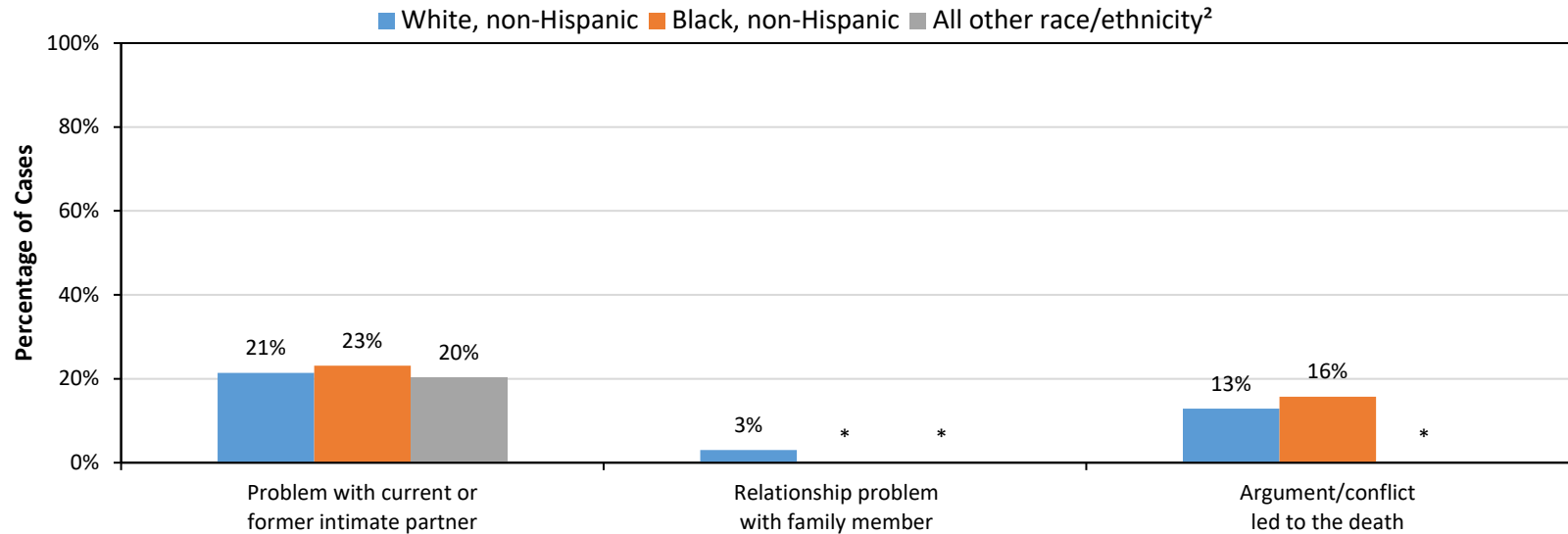


Figure 18: Prevalence of Relationship Issues¹ by Race/Ethnicity, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

²All other race/ethnicity includes: Asian/Pacific Islander, American Indian/Alaska Native, Hispanic, unknown/unspecified, and two or more races.

Figure 19: Prevalence of Relationship Issues¹ by Service in U.S. Armed Forces, 2020

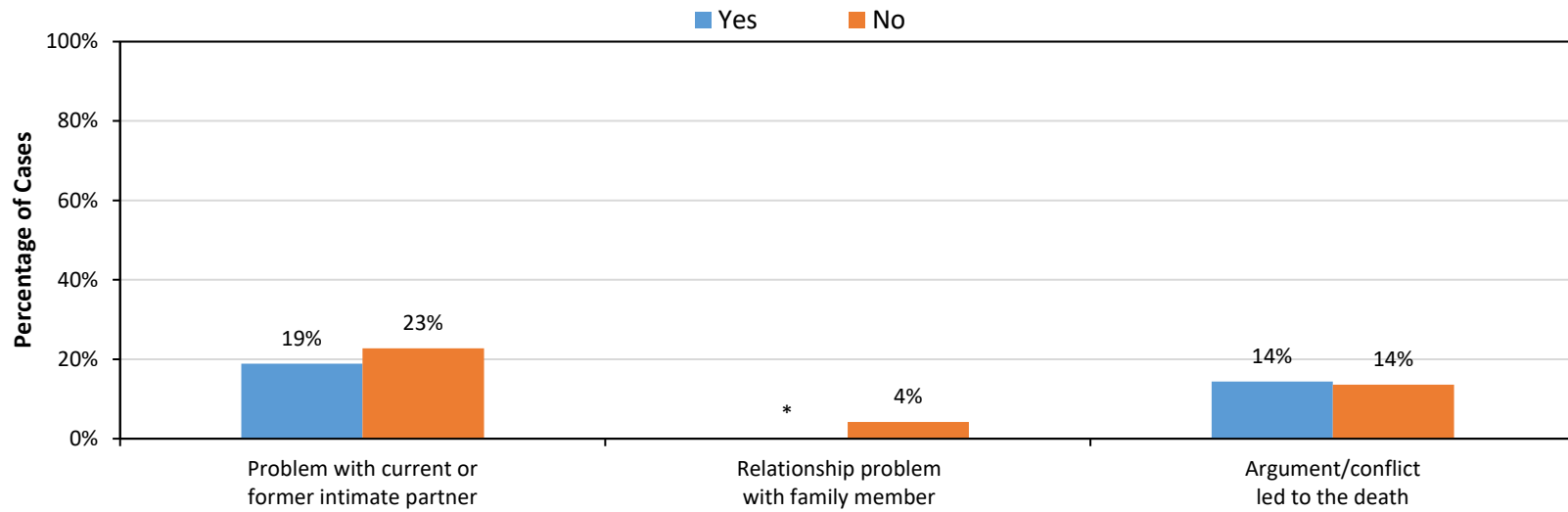
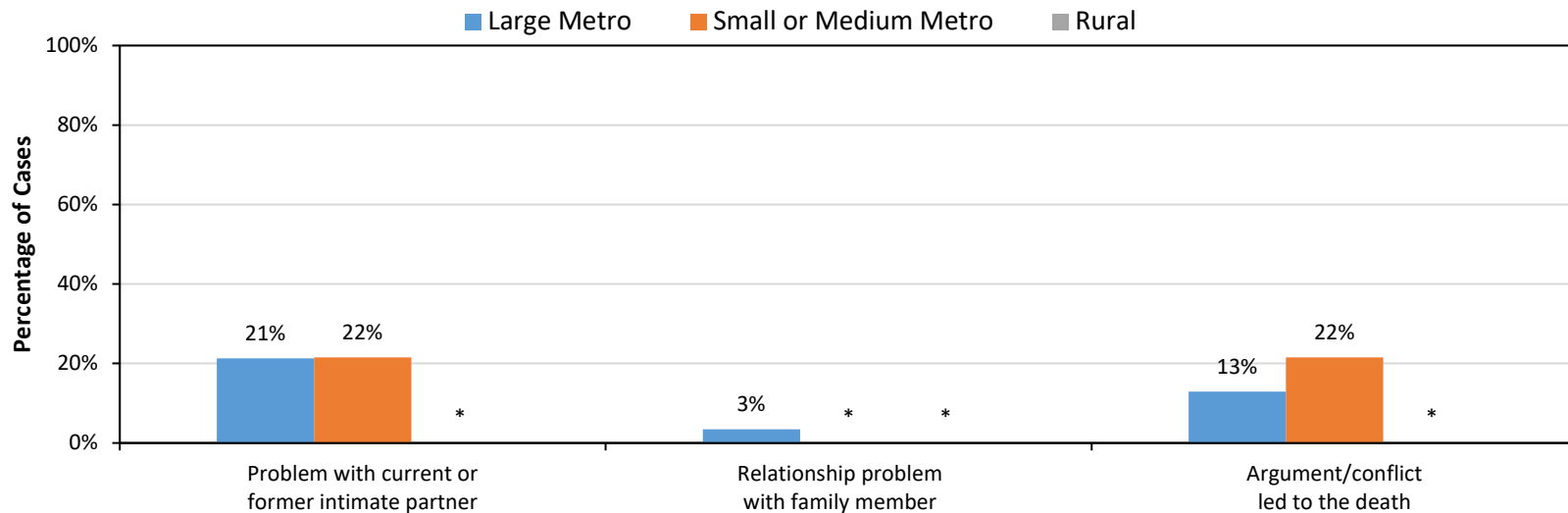


Figure 20: Prevalence of Relationship Issues¹ by Urban-Rural² Classification of County of Residence, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

²**Large metro:** counties in central or fringe metropolitan statistical areas of 1 million or more population; **small or medium metro:** counties in metropolitan statistical areas of populations less than 999,999; **rural:** counties in micropolitan statistical areas and nonmetropolitan counties of less than 49,999 (defined by the 2013 NCHS Urban-Rural Classification Scheme for Counties).

Table 7: Life Stressors¹ Trends, 2003-2020

Year	Criminal legal problem n (%)	Physical health problem n (%)	Job problem n (%)	Financial problem n (%)	Recent eviction or loss of housing n (%)	Death (non-suicide) of family/friend n (%)	Total n
2003	53 (10.5)	70 (13.8)	36 (7.1)	44 (8.7)	First collected in 2009	18 (3.6)	506
2004	42 (8.6)	54 (11.0)	47 (9.6)	34 (7.0)		28 (5.7)	489
2005	34 (7.2)	100 (21.3)	32 (6.8)	25 (5.3)		25 (5.3)	470
2006	47 (9.4)	104 (20.9)	39 (7.8)	36 (7.2)		21 (4.2)	498
2007	32 (6.4)	88 (17.6)	44 (8.8)	60 (12.0)		37 (7.4)	499
2008	47 (9.8)	117 (24.4)	53 (11.1)	57 (11.9)		42 (8.8)	479
2009	56 (10)	107 (19.2)	85 (15.2)	78 (14.0)	28 (5.0)	35 (6.3)	558
2010	36 (7.1)	110 (21.7)	77 (15.2)	72 (14.2)	23 (4.5)	49 (9.6)	508
2011	47 (8.5)	113 (20.5)	76 (13.8)	82 (14.9)	22 (4.0)	24 (4.3)	552
2012	48 (8.4)	64 (11.2)	73 (12.8)	58 (10.2)	22 (3.9)	22 (3.9)	570
2013	45 (7.9)	64 (11.2)	76 (13.3)	81 (14.2)	28 (4.9)	42 (7.4)	570
2014	33 (5.5)	83 (13.9)	63 (10.5)	54 (9.0)	21 (3.5)	33 (5.5)	599
2015	18 (3.3)	69 (12.5)	34 (6.2)	34 (6.2)	12 (2.2)	12 (2.2)	551
2016	28 (4.8)	58 (9.9)	49 (8.4)	41 (7.0)	11 (1.9)	41 (7.0)	584
2017	35 (5.5)	67 (10.5)	46 (7.2)	32 (5.0)	12 (1.9)	37 (5.8)	636
2018	32 (4.8)	83 (12.6)	62 (9.4)	47 (7.1)	17 (2.6)	37 (5.6)	661
2019	34 (5.3)	83 (13.1)	65 (10.2)	50 (7.9)	14 (2.2)	43 (6.8)	636
² 2020	19 (3.3)	38 (12.0)	62 (10.9)	57 (10.0)	21 (3.7)	37 (6.5)	569
Total	685 (6.9)	1501 (15.1)	1019 (10.3)	941 (9.5)	237 (2.4)	583 (5.9)	9917

¹Health history data may be incomplete. See note on the cover page (page 1).

²2020 data displayed in Figure 28 on next page.

Figure 21: Prevalence of Life Stressors¹, 2020

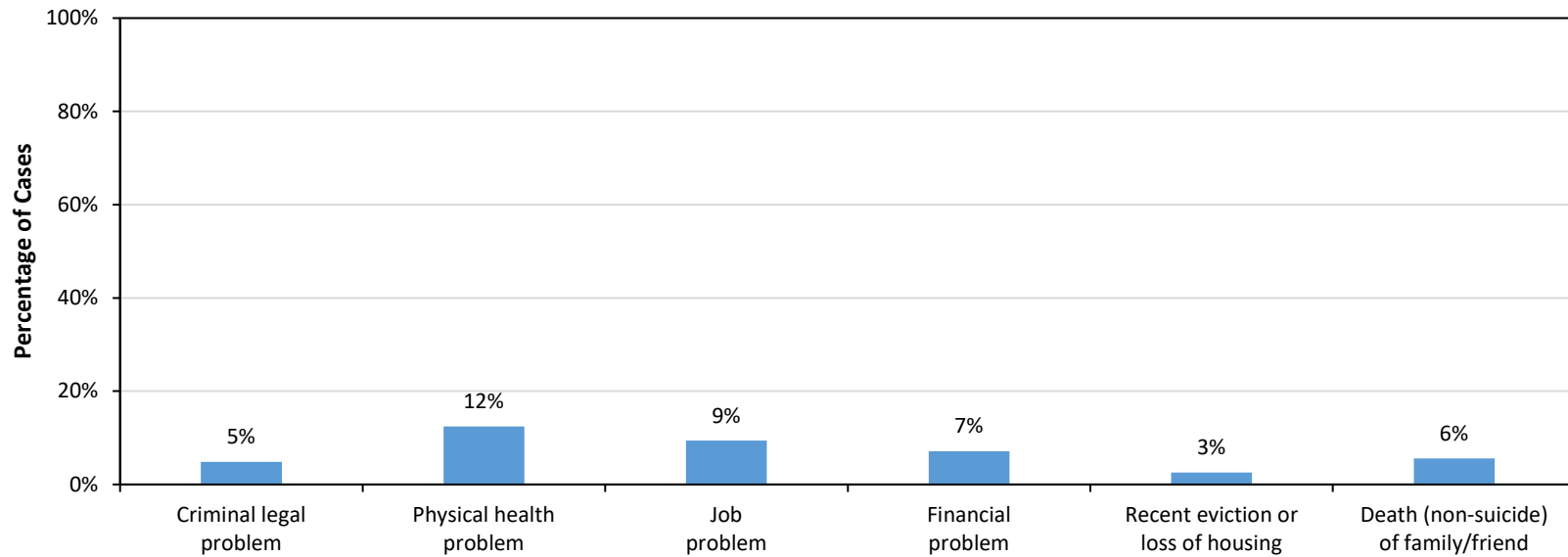
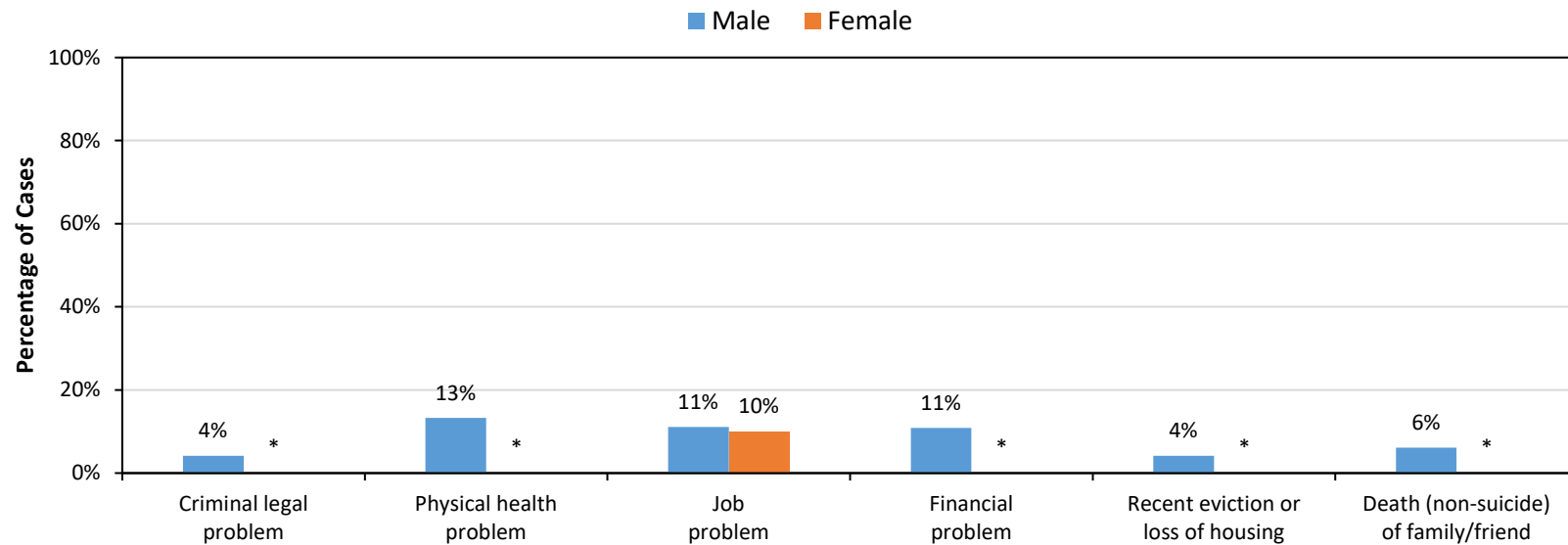


Figure 22: Prevalence of Life Stressors¹ by Sex, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

Figure 23: Prevalence of Life Stressors¹ by Age (years), 2020

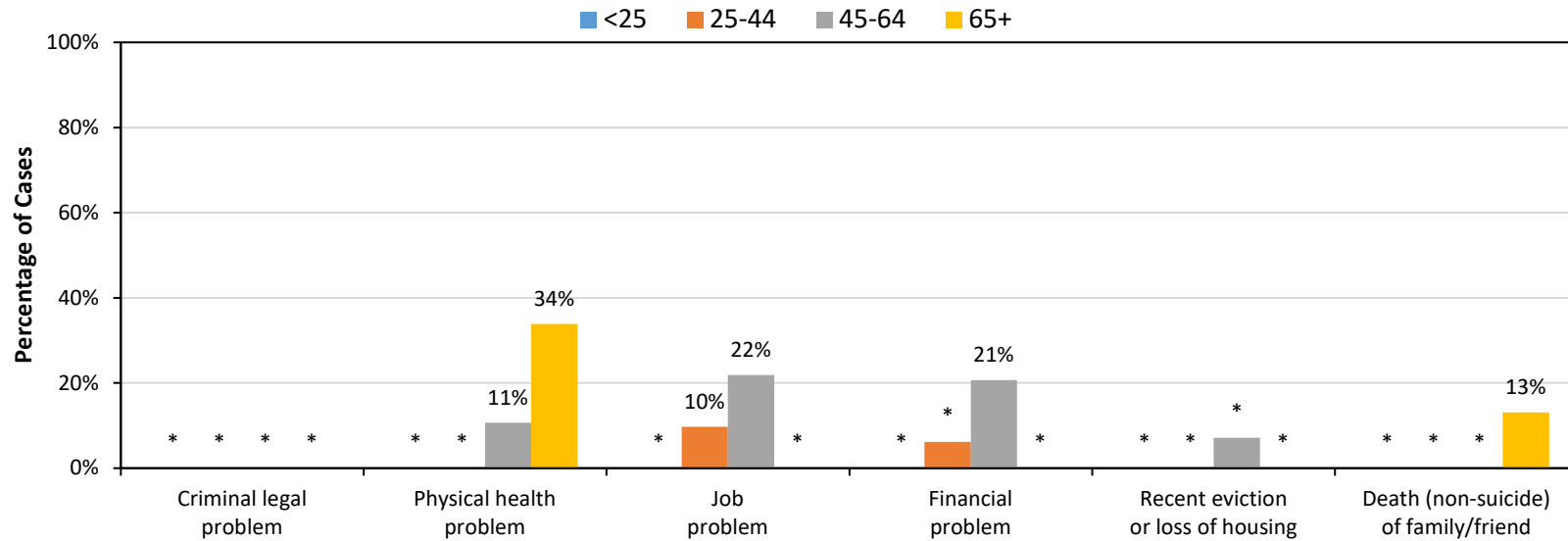
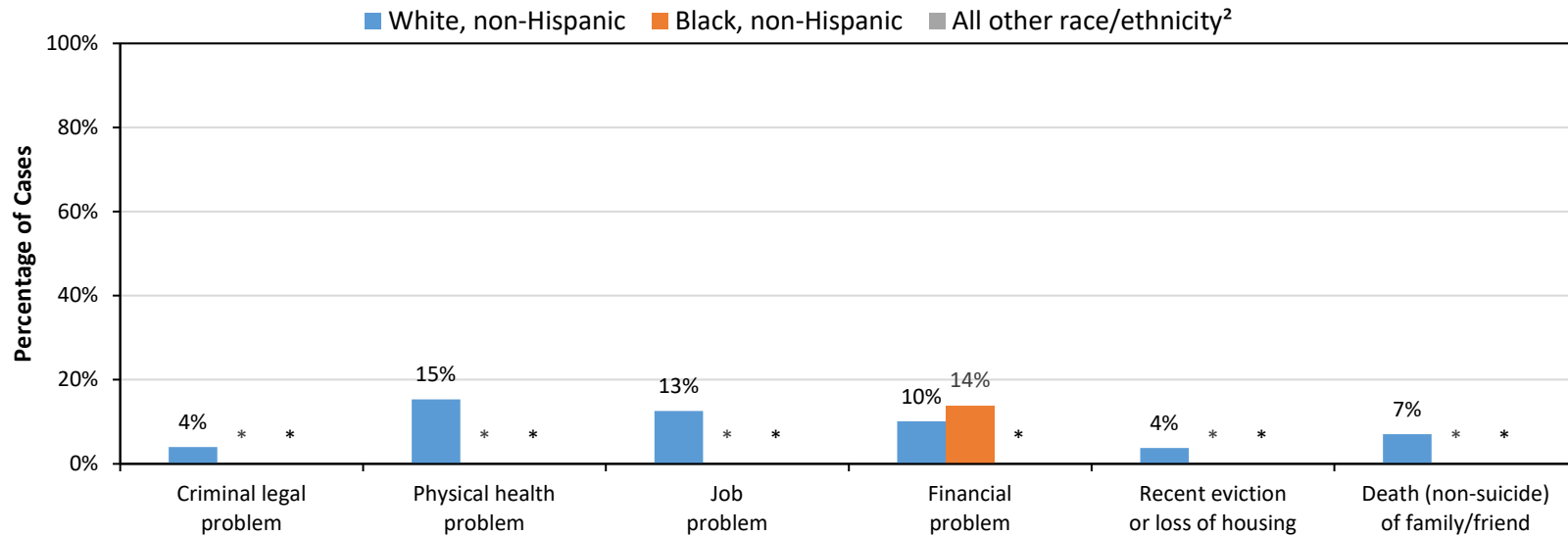


Figure 24: Prevalence of Life Stressors¹ by Race/Ethnicity, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

²All other race/ethnicity includes: Asian/Pacific Islander, American Indian/Alaska Native, Hispanic, unknown/unspecified, and two or more races.

Figure 25: Prevalence of Life Stressors¹ by Service in the U.S. Armed Forces, 2020

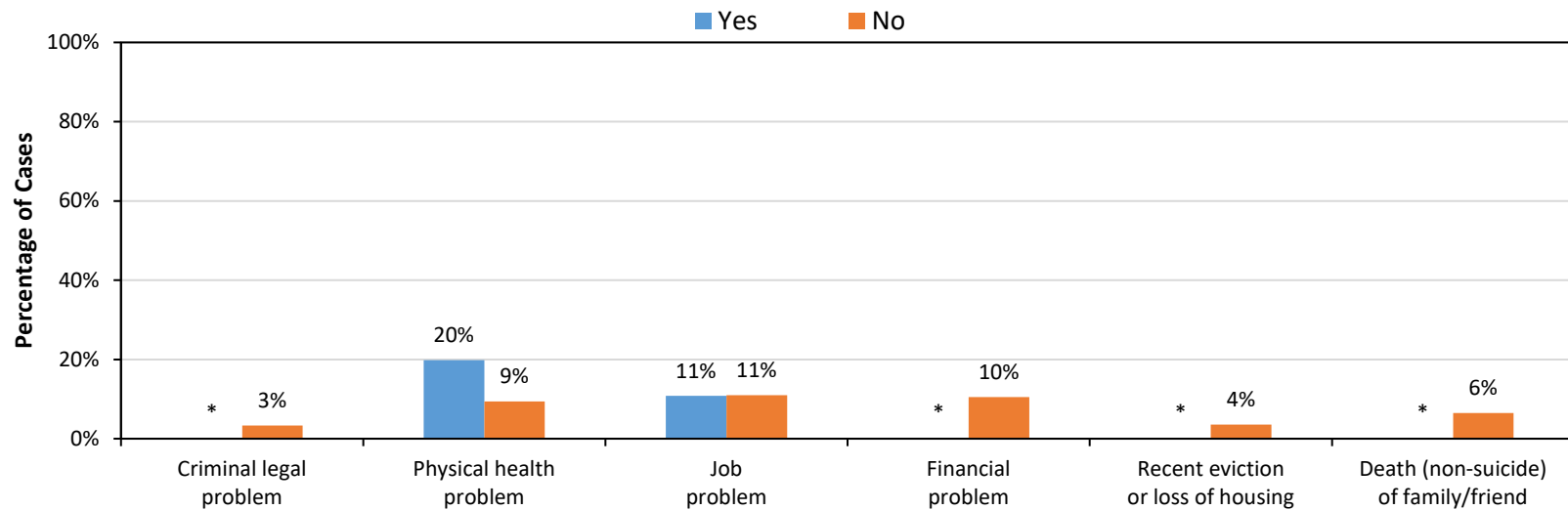
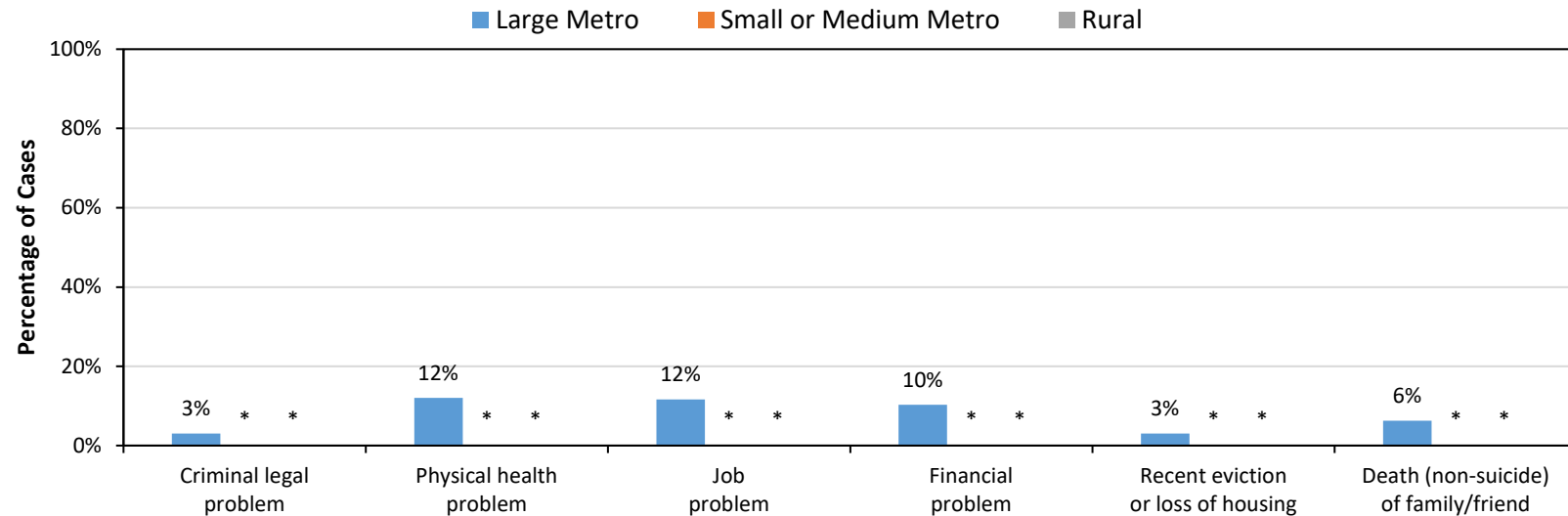


Figure 26: Prevalence of Life Stressors¹ by Urban-Rural² Classification of County of Residence, 2020



¹Health history data may be incomplete. See note on the cover page (page 1).

²**Large metro**: counties in central or fringe metropolitan statistical areas of 1 million or more population; **small or medium metro**: counties in metropolitan statistical areas of populations less than 999,999; **rural**: counties in micropolitan statistical areas and nonmetropolitan counties of less than 49,999 (defined by the 2013 NCHS Urban-Rural Classification Scheme for Counties).

Circumstances of Suicide Deaths in Maryland: 2003-2020 MVDRS

Table 8: Primary Mechanism/Weapon Trends, 2003-2020

Year	Firearm n (%)	Hanging or suffocation n (%)	Poisoning n (%)	Fall n (%)	All other mechanisms ¹ n (%)	Total n
2003	233 (46.1)	139 (27.5)	94 (18.6)	22 (4.4)	17 (3.4)	505
2004	241 (49.3)	119 (24.3)	83 (17.0)	18 (3.7)	28 (5.7)	489
2005	211 (45.0)	130 (27.7)	73 (15.6)	14 (3.0)	41 (8.7)	469
2006	236 (47.6)	131 (26.4)	74 (14.9)	19 (3.8)	36 (7.3)	496
2007	231 (46.3)	154 (30.9)	78 (15.6)	10 (2.0)	26 (5.2)	499
2008	248 (51.8)	126 (26.3)	65 (13.6)	16 (3.3)	24 (5.0)	479
2009	253 (45.3)	182 (32.6)	70 (12.5)	19 (3.4)	34 (6.1)	558
2010	221 (43.6)	162 (32.0)	75 (14.8)	17 (3.4)	32 (6.3)	507
2011	278 (43.1)	162 (29.5)	78 (14.2)	29 (5.3)	44 (8.0)	550
2012	269 (47.4)	154 (27.1)	86 (15.1)	19 (3.3)	40 (7.0)	568
2013	264 (46.6)	170 (30.0)	78 (13.8)	23 (4.1)	32 (5.6)	567
2014	276 (46.2)	192 (32.1)	88 (14.7)	14 (2.3)	28 (4.7)	598
2015	238 (43.2)	176 (31.9)	91 (16.5)	20 (3.6)	26 (4.7)	551
2016	250 (43.0)	185 (31.8)	94 (16.2)	18 (3.1)	35 (6.0)	582
2017	277 (43.6)	203 (32.0)	100 (15.7)	24 (3.8)	31 (4.9)	635
2018	261 (39.6)	231 (35.1)	107 (16.2)	23 (3.5)	37 (5.6)	659
2019	252 (39.6)	213 (33.5)	95 (14.9)	40 (6.3)	37 (5.6)	636
² 2020	257 (45.2)	190 (33.4)	73 (12.8)	17 (3.0)	32 (5.6)	569
Total	4455 (44.9)	3019 (30.4)	1502 (15.1)	362 (3.7)	579 (5.8)	9917

¹All other mechanisms includes: blunt instrument, drowning, electrocution, explosive, fire/burns, intentional neglect, sharp instrument, and vehicles.

²2020 data displayed in Figure 3 on next page.

Figure 27: Prevalence of Primary Mechanism/Weapon, 2020

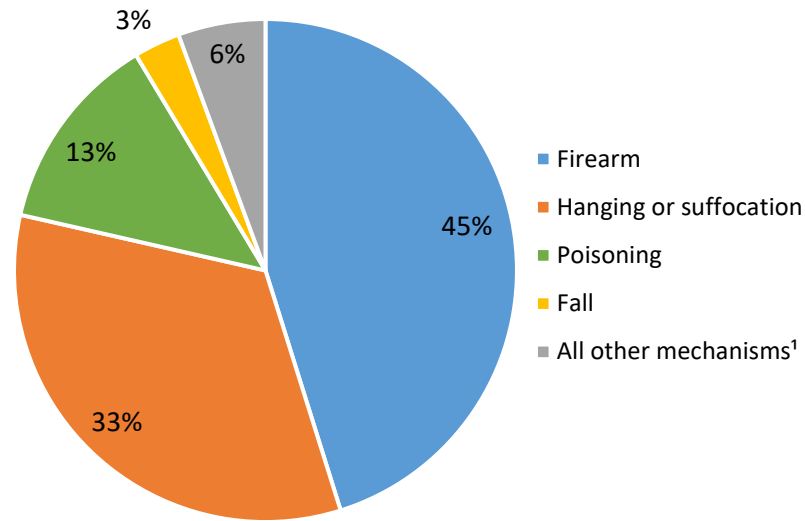
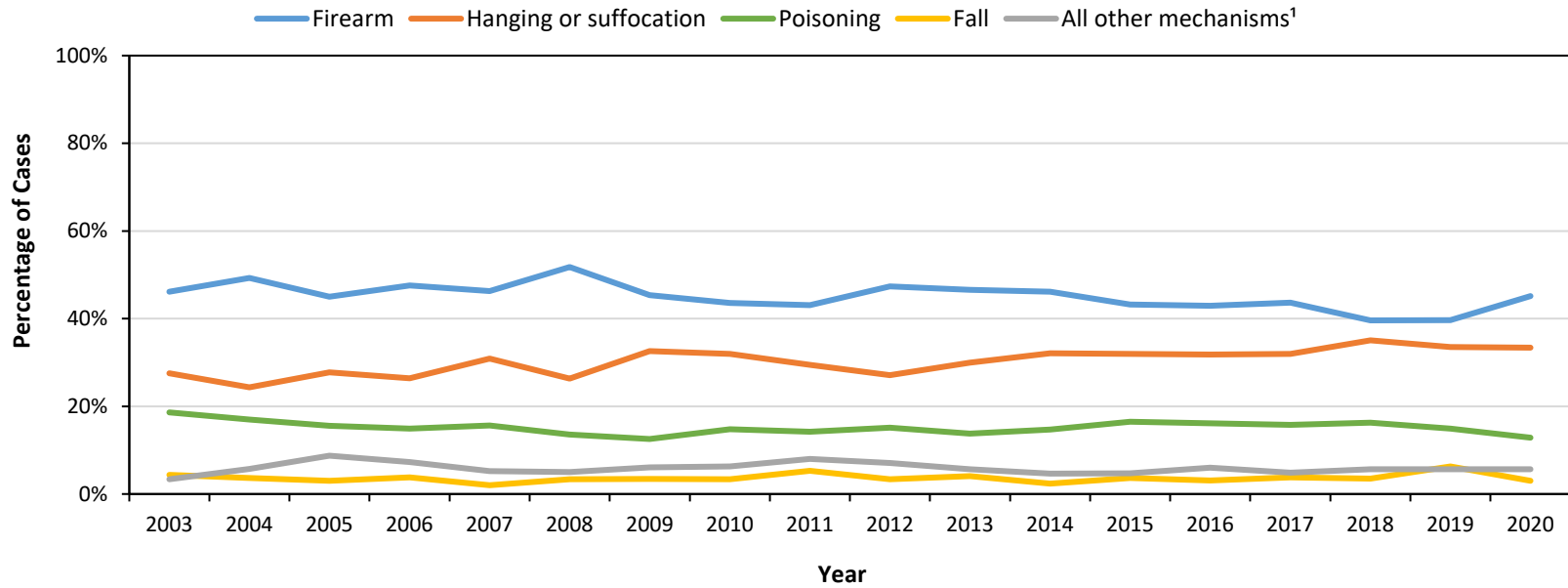


Figure 28: Primary Mechanism/Weapon Trends, 2003-2020



¹All other mechanisms includes: blunt instrument, drowning, electrocution, explosive, fire/burns, intentional neglect, sharp instrument, and vehicles.

Figure 29: Prevalence of Primary Mechanism/Weapon by Sex, 2020

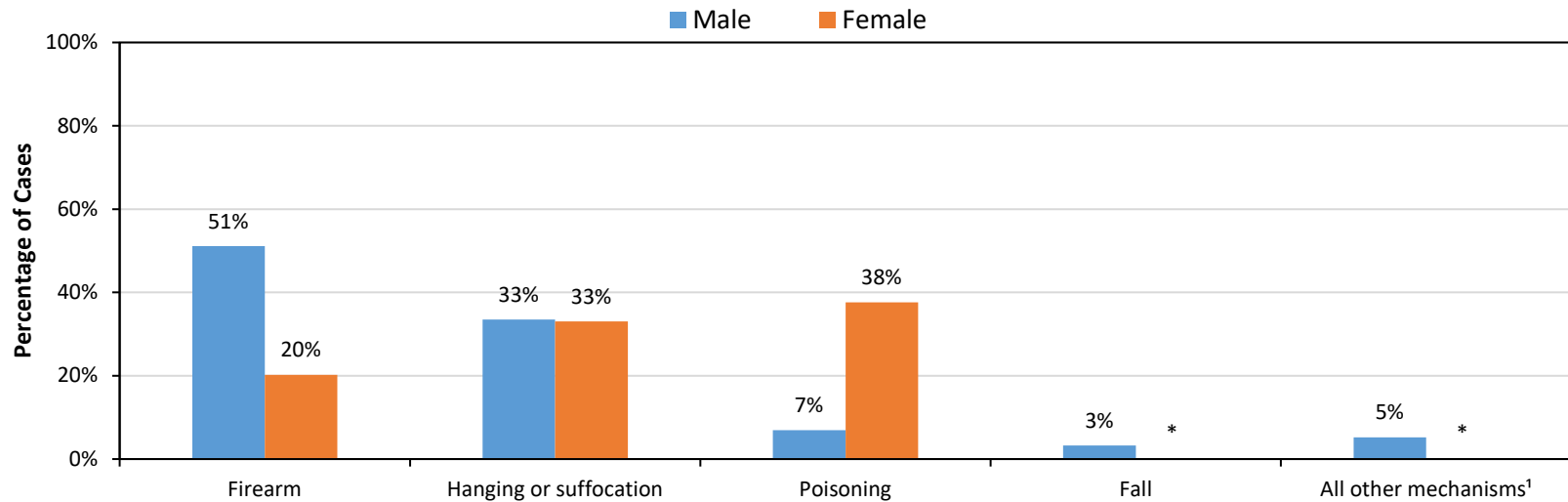
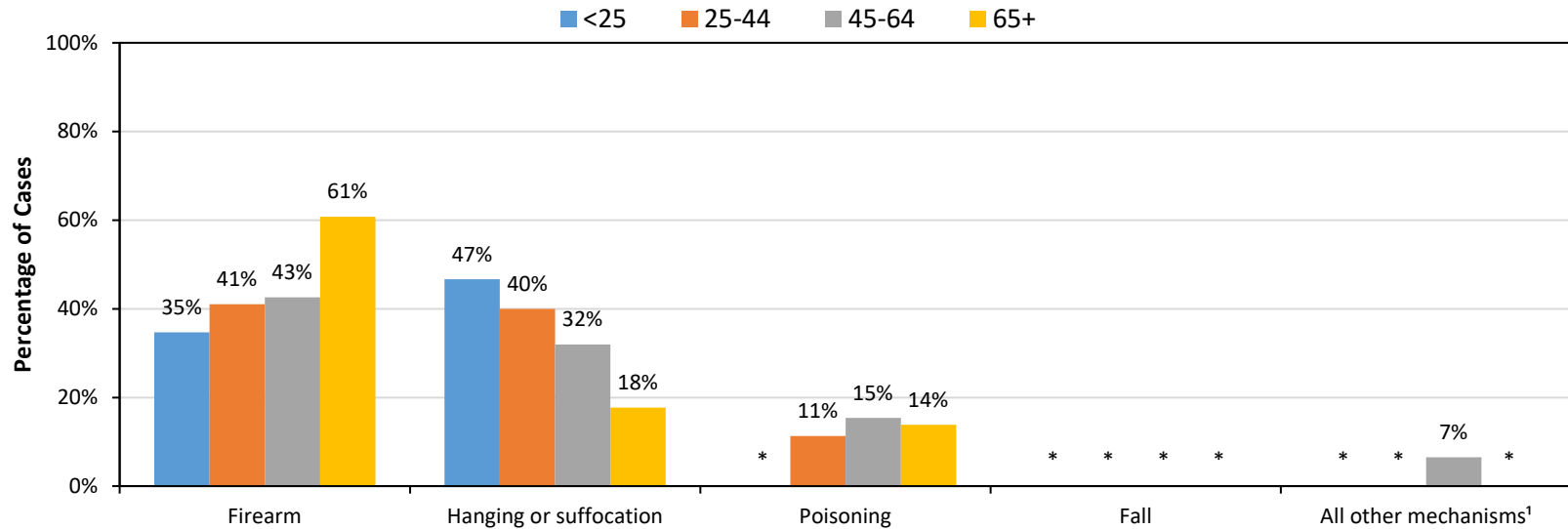


Figure 30: Prevalence of Primary Mechanism/Weapon by Age (years), 2020



¹All other mechanisms includes: blunt instrument, drowning, electrocution, explosive, fire/burns, intentional neglect, sharp instrument, and vehicles.

Figure 31: Prevalence of Primary Mechanism/Weapon by Race/Ethnicity, 2020

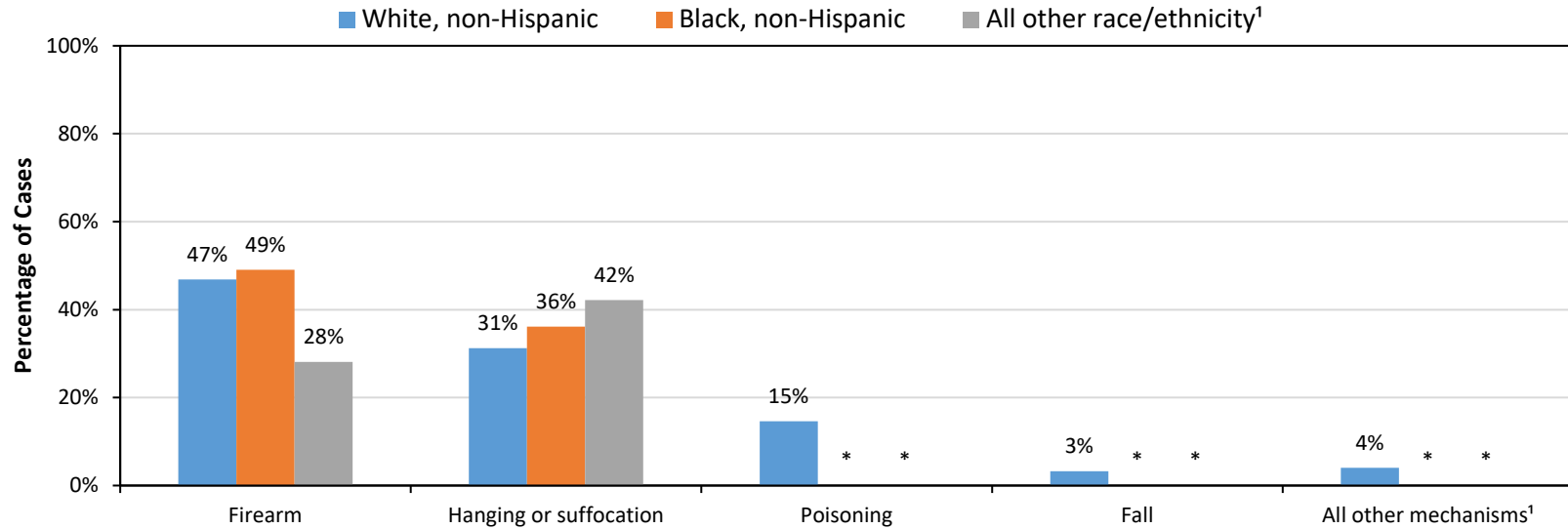
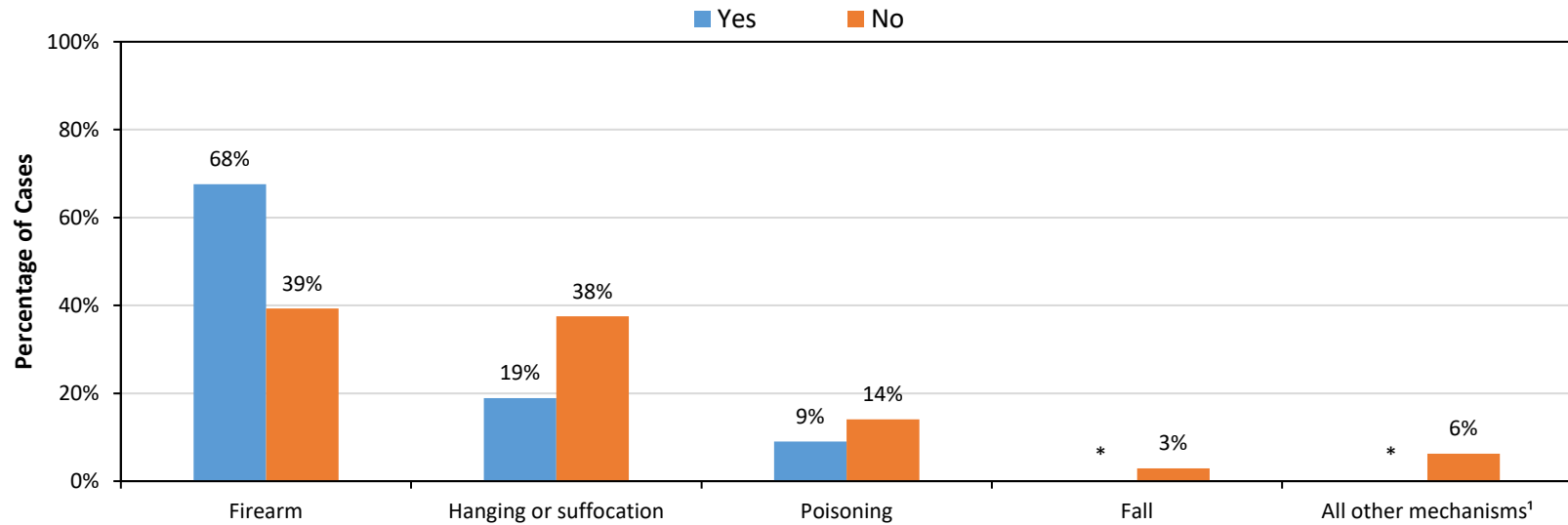


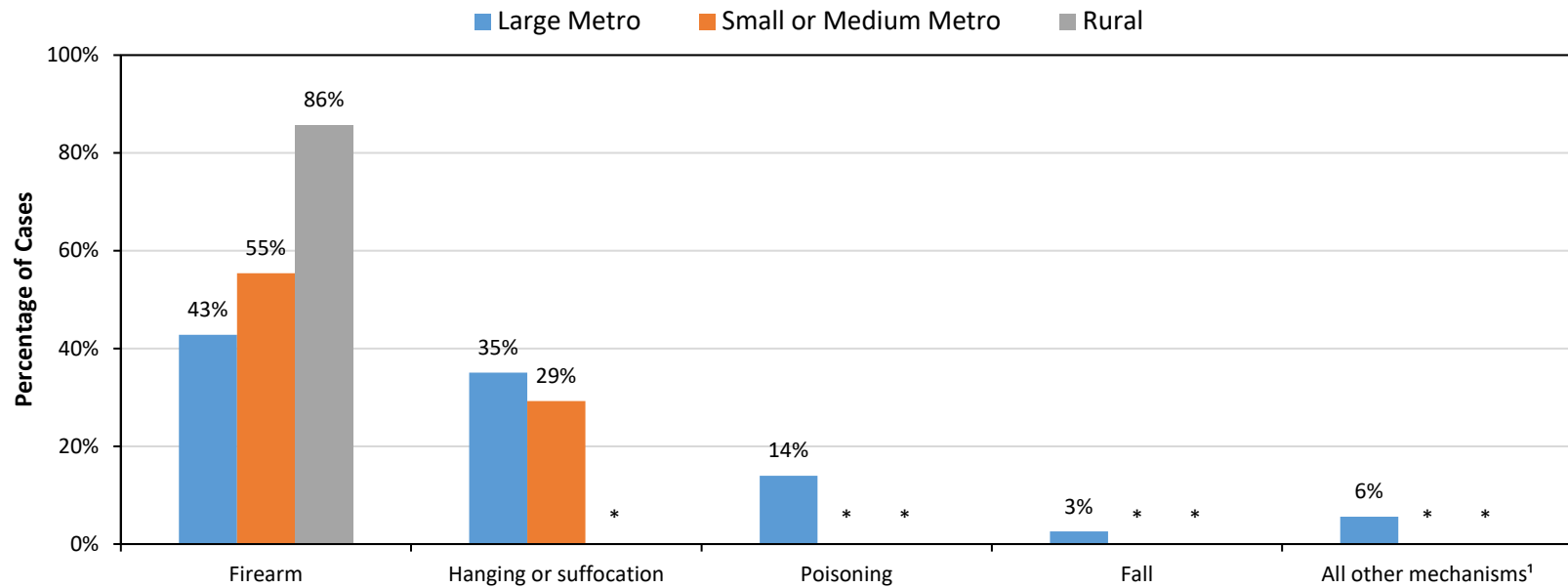
Figure 32: Prevalence of Primary Mechanism/Weapon by Service in the U.S. Armed Forces, 2020



¹All other race/ethnicity includes: Asian/Pacific Islander, American Indian/Alaska Native, Hispanic, unknown/unspecified, and two or more races.

²All other mechanisms includes: blunt instrument, drowning, electrocution, explosive, fire/burns, intentional neglect, sharp instrument, and vehicles.

Figure 33: Prevalence of Primary Mechanism/Weapon by Urban-Rural¹ Classification of County of Residence, 2020



¹**Large metro:** counties in central or fringe metropolitan statistical areas of 1 million or more population; **small or medium metro:** counties in metropolitan statistical areas of populations less than 999,999; **rural:** counties in micropolitan statistical areas and nonmetropolitan counties of less than 49,999 (defined by the 2013 NCHS Urban-Rural Classification Scheme for Counties).

²All other mechanism includes: blunt instrument, drowning, electrocution, explosive, fire/burns, intentional neglect, sharp instrument, and vehicles.

Note: Out of state and homeless residents were excluded from analysis.