

Teen Suicide in Oregon

Oregon's 10-19 Year-Olds are:

- **Ranked 4th in both suicide and firearm-mediated suicide rate** among 35 states with >300,000 population in the age group (Table 1).^{*} Among all 50 states the corresponding ranks are 12th and 9th (Table 2).
- Sustaining a **dramatic increase in suicide since 2000**, that in the last decade has **more than doubled from an average of ~20 to 40-45 per year** (Figs. 2, 3 & 5)
- Proportionately more likely to die of suicide than other causes, with the **percentage of their deaths due to suicide** increasing during 2000-2015 from:
 - 10%-15% to 33%-35% in **males (1 in every 3)** (Figs. 1 & 4)
 - 5%-10% to 23%-25% in **females (1 in every 4)** (Figs. 1 & 6)
- **Using firearms to commit suicide in**
 - **54% of males** and **33% of females** (Fig. 5)

Teen Suicide in **Oregon**

Why is this happening:

- **Oregon is accumulating firearms at an increasing rate (Figs. 7-9), especially since 2012 (Figs. 7 & 8)**
- **The yearly suicide rate in Oregon among 10-19 year-olds is directly proportional to the annual number of gun sales in the state ($p < 0.0001$) (Fig. 7)**
- **The number of yearly suicides in Oregon among 10-19 year-olds is directly proportional to the annual number of gun sales in the state ($p < 0.0006$) (Fig. 8)**
- **The availability of firearms in Oregon is predicted to increase, according to the monthly trend of firearm sales that was accelerated after the Sandy Hook Elementary School and San Bernadino massacre and others in between and since (Fig. 9).**

*35 states for all suicides and 34 states for firearm suicides

Table 1

Suicides and Suicides by Firearm in 10-19 Year-Olds in States with >300,000 Residents of This Age, 2013-2015, by State Ranking

	Rank *		Deaths	Rate per 100,000
Suicides				
	1	Utah	173	12.1
	2	Colorado	213	10.2
	3	Oklahoma	140	9.0
	4	Oregon	128	8.8
Suicides by Firearm				
	1	Utah	80	5.6
	2	Oklahoma	73	4.7
	3	Colorado	91	4.4
	4	Oregon	62	4.3

* among 35 states for suicides and 34 states for firearm-mediated suicide

Table 2

Suicides and Suicides by Firearm in 10-19 Year-Olds, 2013-2015, All States, by State Ranking

Suicides				Suicides by Firearm			
Rank *		Deaths	Rate/ 100,000	Rank **		Deaths	Rate/ 100,000
1	Alaska	59	19.9	1	Alaska	37	12.5
2	South Dakota	60	17.7	2	Wyoming	24	10.7
3	Wyoming	36	16.1	3	Montana	37	9.8
4	Montana	53	14.0	4	North Dakota	16	5.8
5	Utah	173	12.1	5	Utah	80	5.6
6	North Dakota	31	11.2	6	Idaho	37	5.2
7	Idaho	73	10.2	7	Oklahoma	73	4.7
8	Colorado	213	10.2	8	Colorado	91	4.4
9	Vermont	24	10.1	9	Oregon	62	4.3
10	New Mexico	81	9.7				
11	Oklahoma	140	9.0				
12	Oregon	128	8.8				

**among 45 evaluable states

* among 50 states

Annual Suicide Deaths as Proportion of All Deaths

Oregon, Age 10-19, 1999-2015

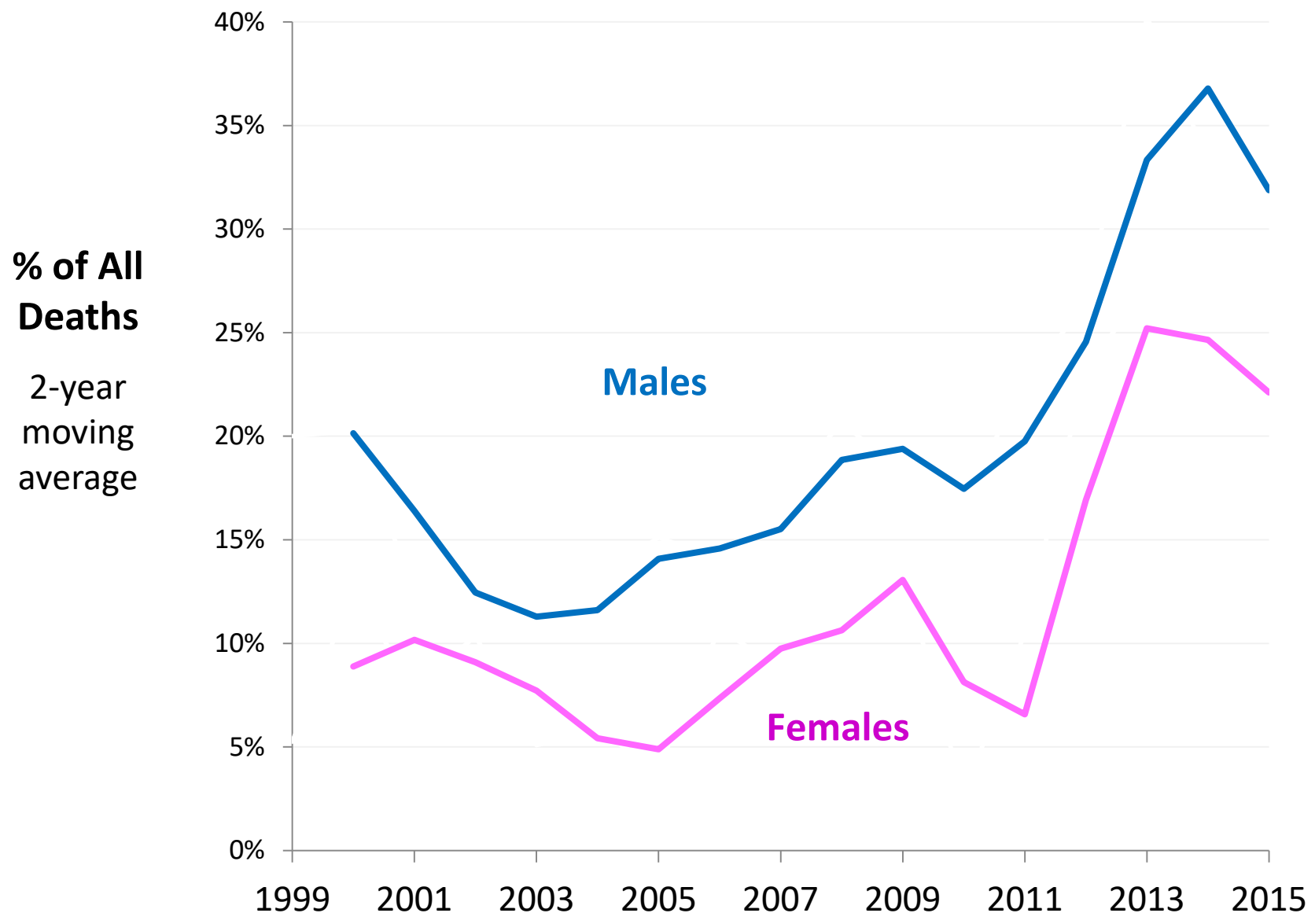


Fig. 2

Annual Suicides among 10 to 19 Year-Olds in Oregon, 2001-2015

Data from NCHS CDC Wonder, <https://wonder.cdc.gov/ucd-icd10.html>, accessed May 23, 2017

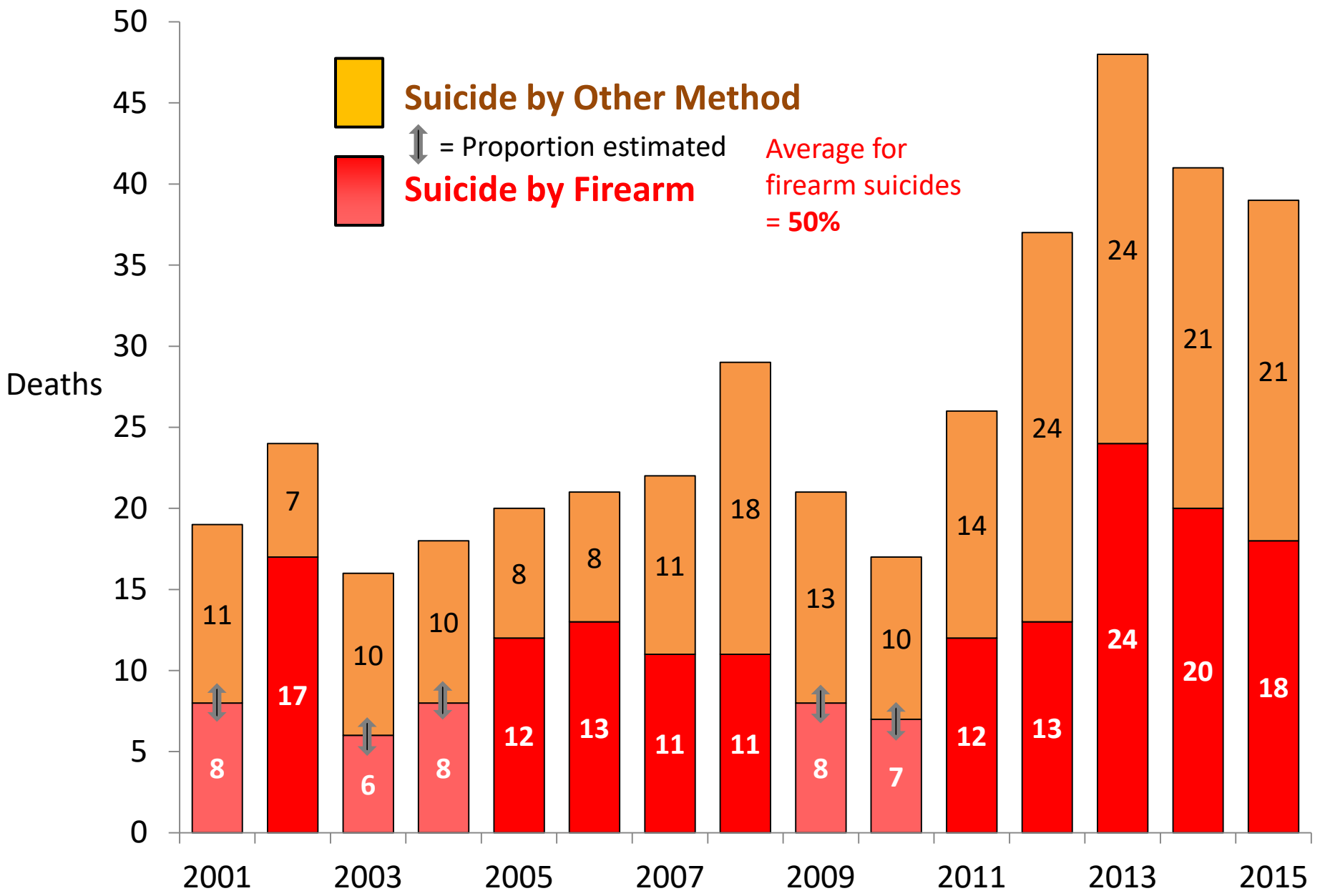


Fig. 3

Annual Suicides among 10 to 19 Year-Olds in Oregon, 2001-2015

Data from NCHS CDC Wonder, <https://wonder.cdc.gov/ucd-icd10.html>, accessed May 23, 2017

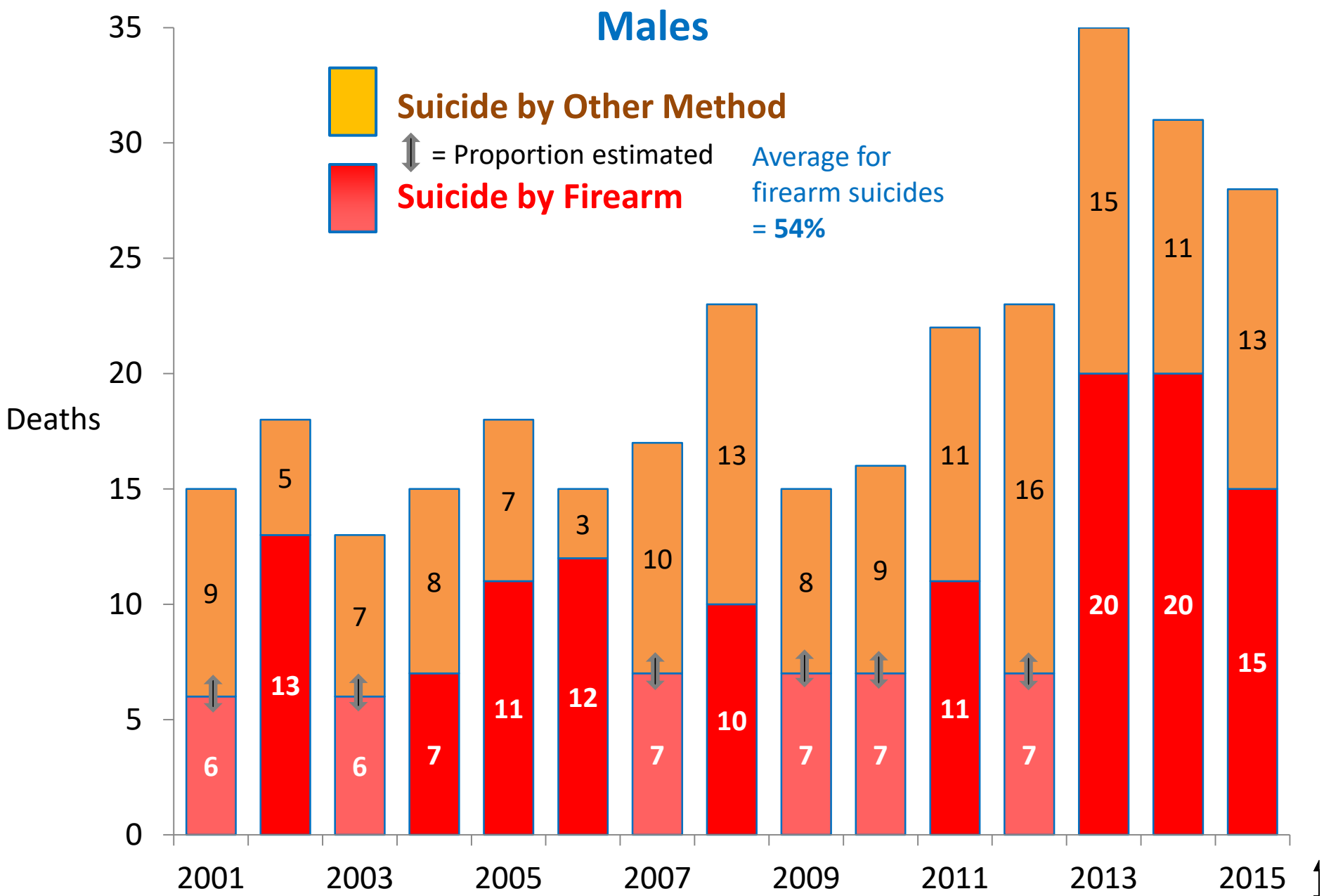


Fig. 4

Annual Suicide % of All % of All Deaths, Age 10-19, Oregon, 2001-2015

Data from NCHS CDC Wonder, <https://wonder.cdc.gov/ucd-icd10.html>, accessed May 23, 2017

Males

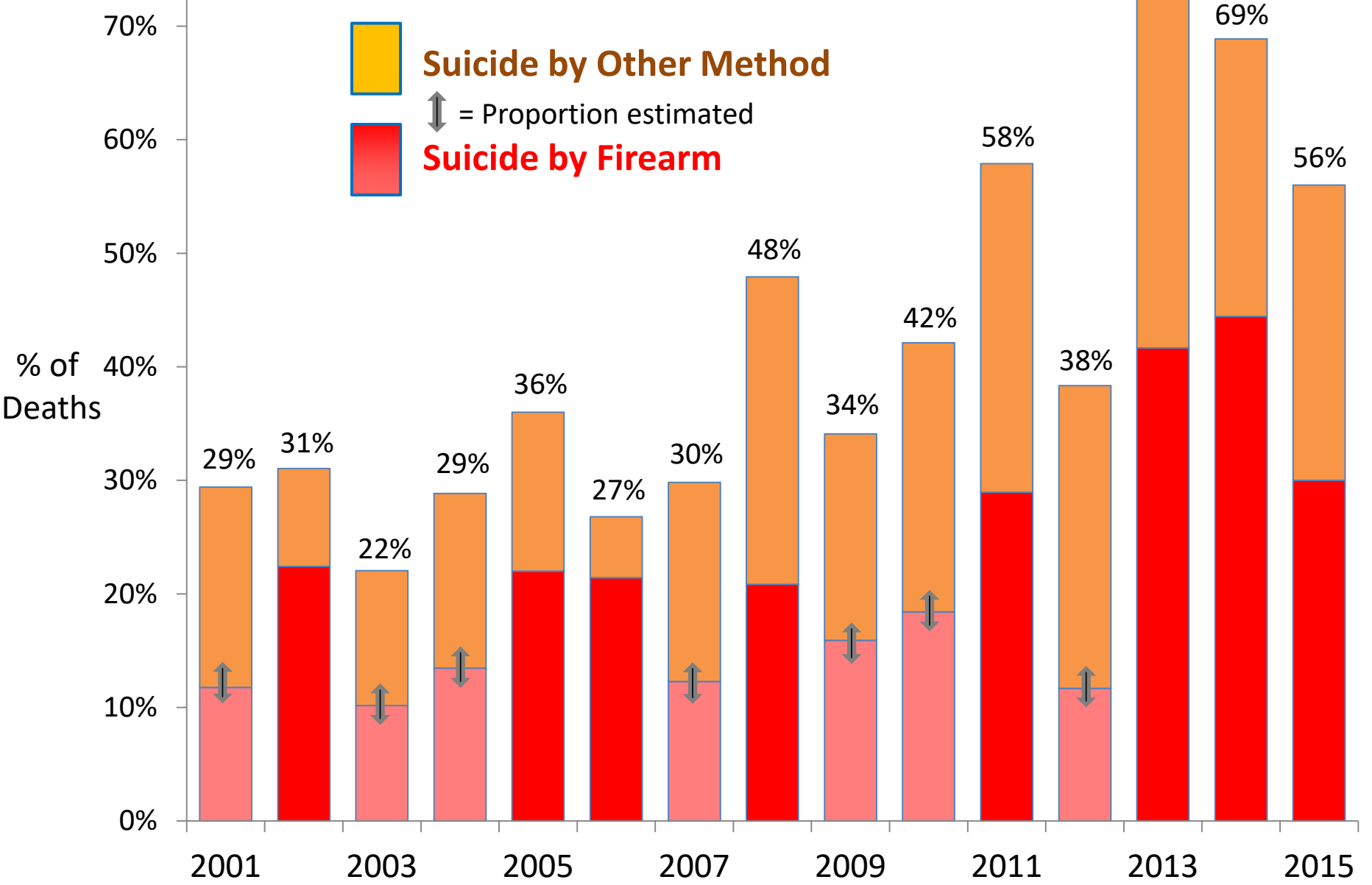


Fig. 5

Annual Suicides among 10 to 19 Year-Olds in Oregon, 2001-2015

Data from NCHS CDC Wonder, <https://wonder.cdc.gov/ucd-icd10.html>, accessed May 23, 2017

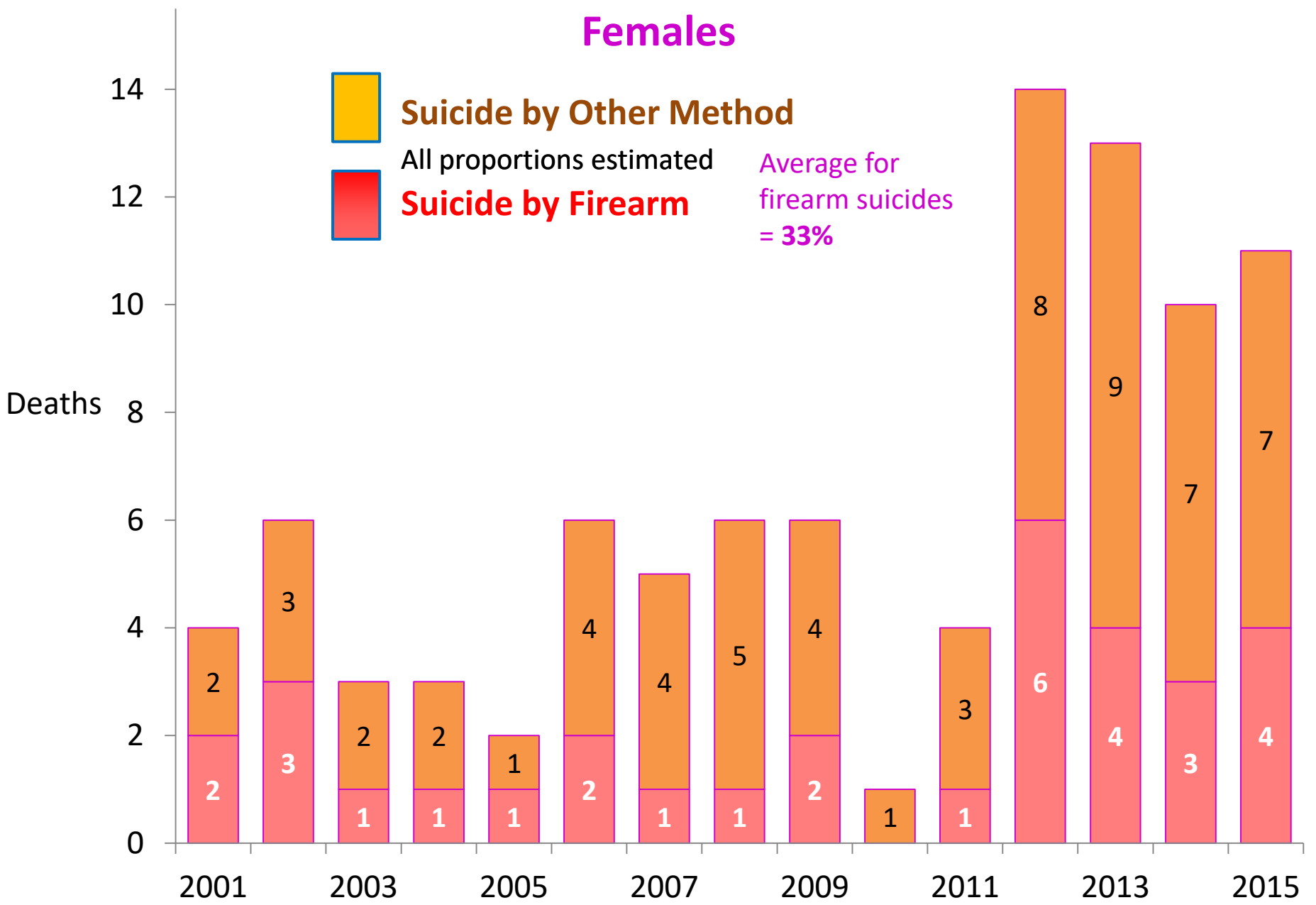


Fig. 6

Annual Suicides % of All Deaths, Age 10-19, Oregon, 2001-2015

Data from NCHS CDC Wonder, <https://wonder.cdc.gov/ucd-icd10.html>, accessed May 23, 2017

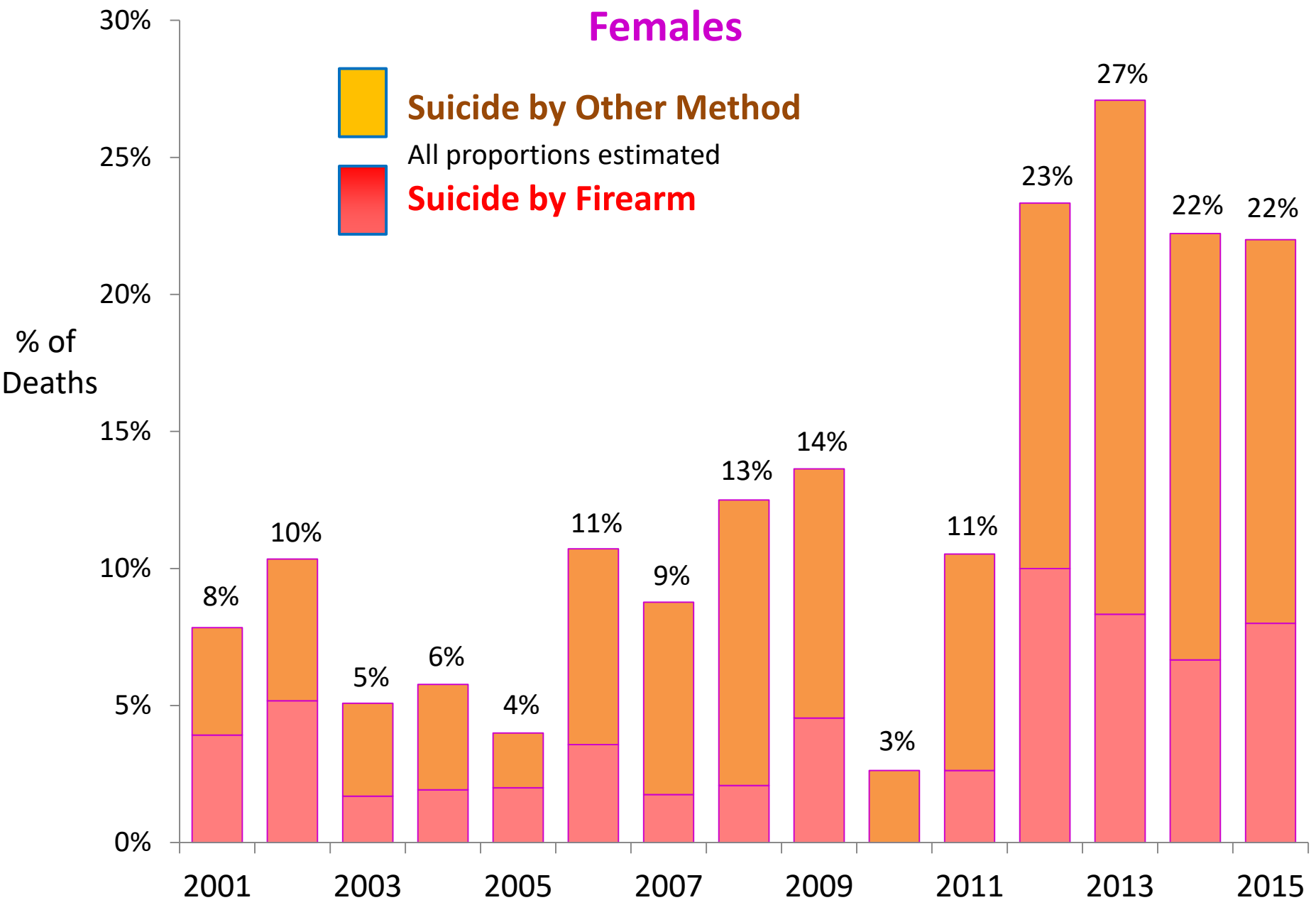
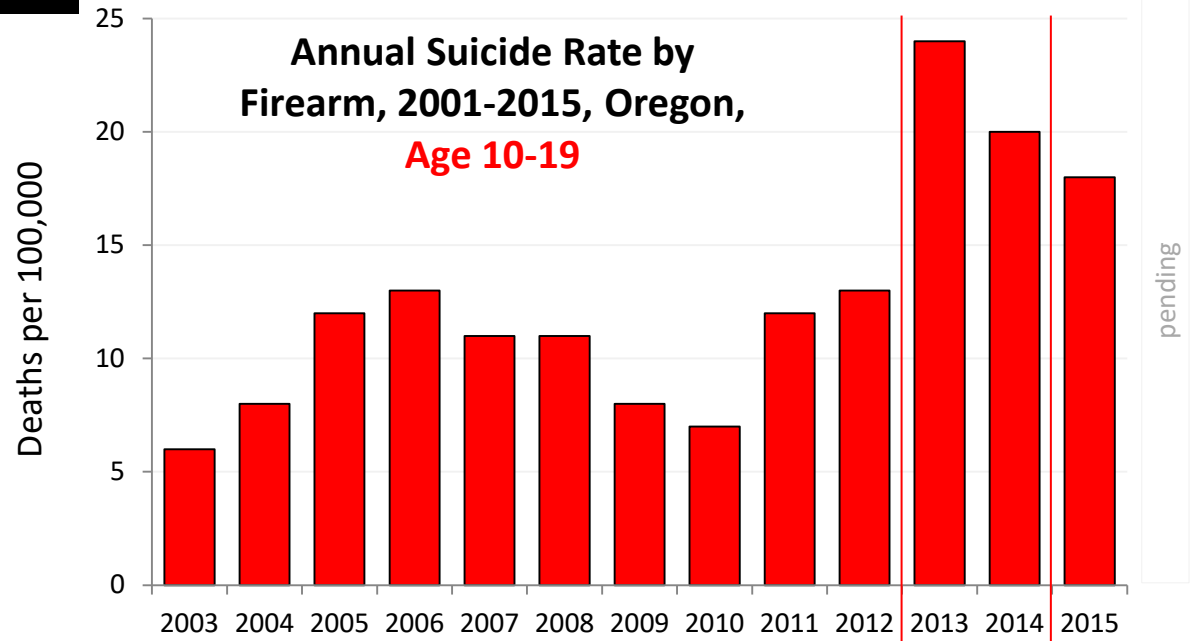
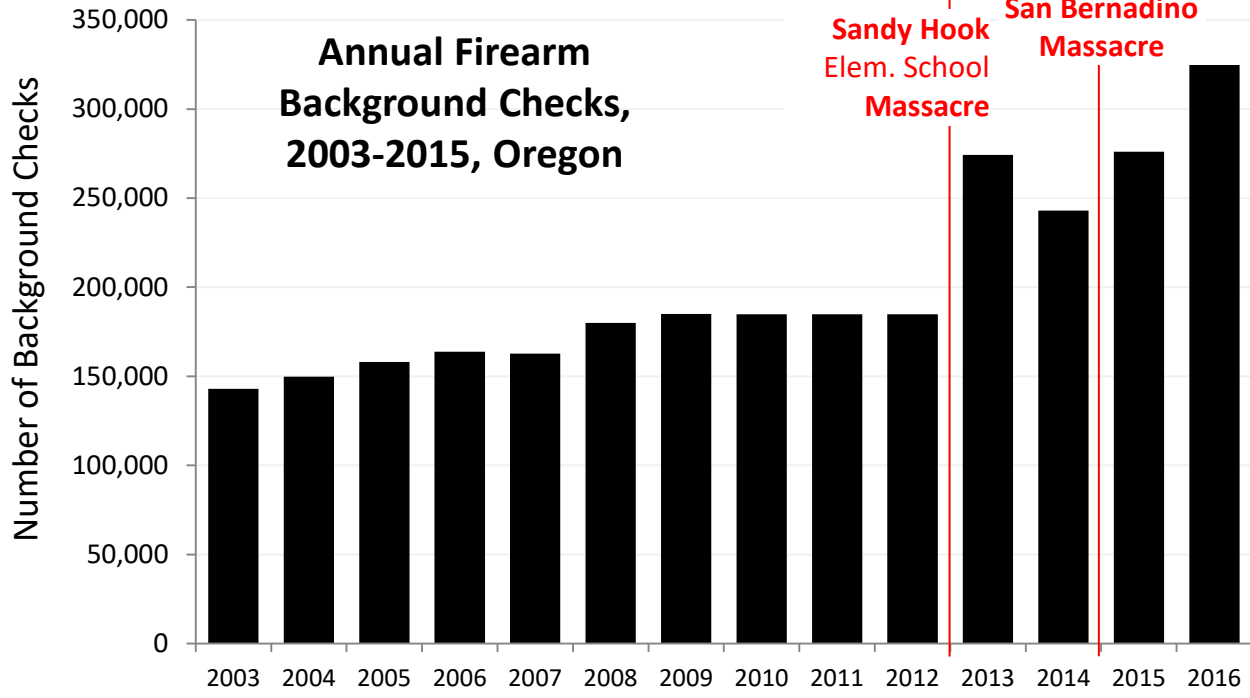


Fig. 7

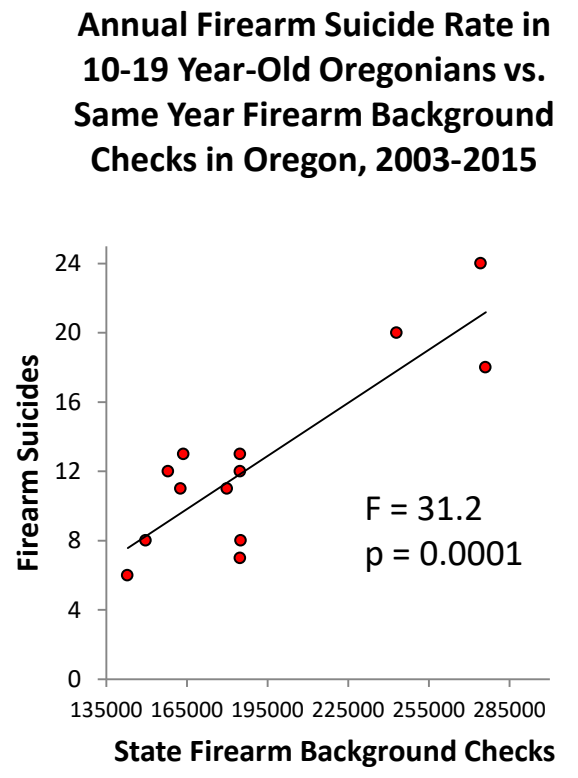
Annual Firearm Suicide Rate vs. NCIS Firearm Background Checks in Oregon



pending



Sandy Hook Elem. School Massacre
San Bernadino Massacre



F = 31.2
p = 0.0001

Fig. 8

Annual Firearm Suicides vs. NCIS Firearm Background Checks in Oregon

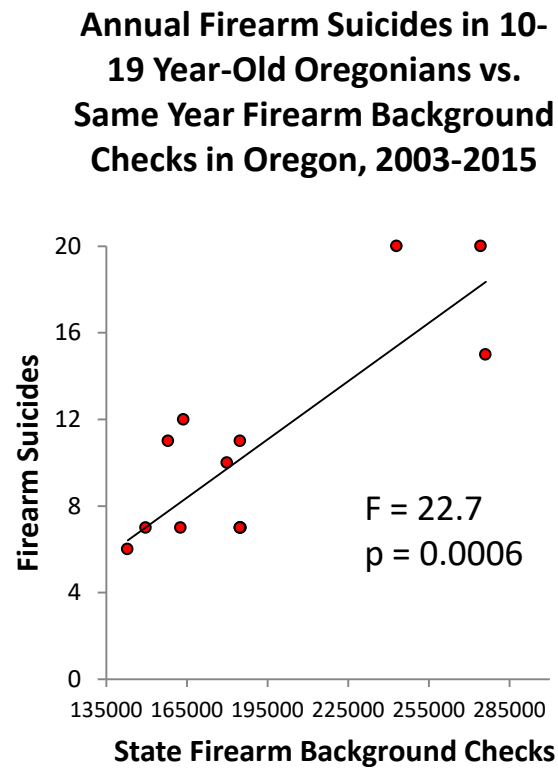
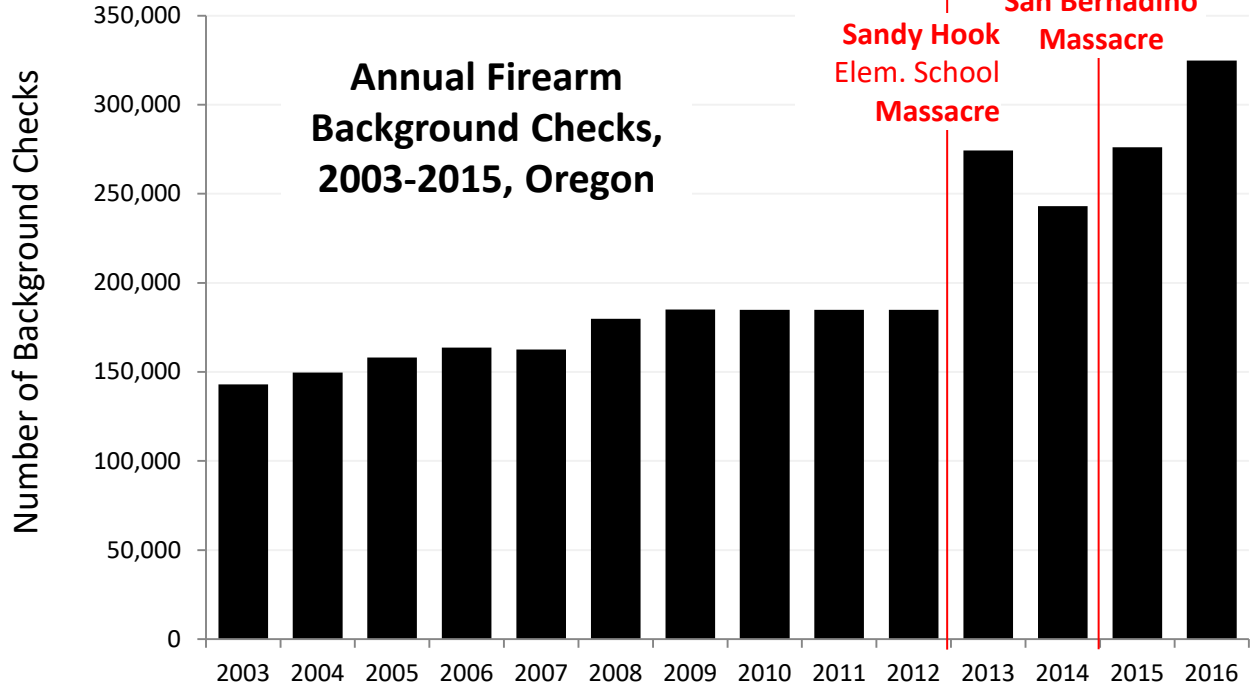
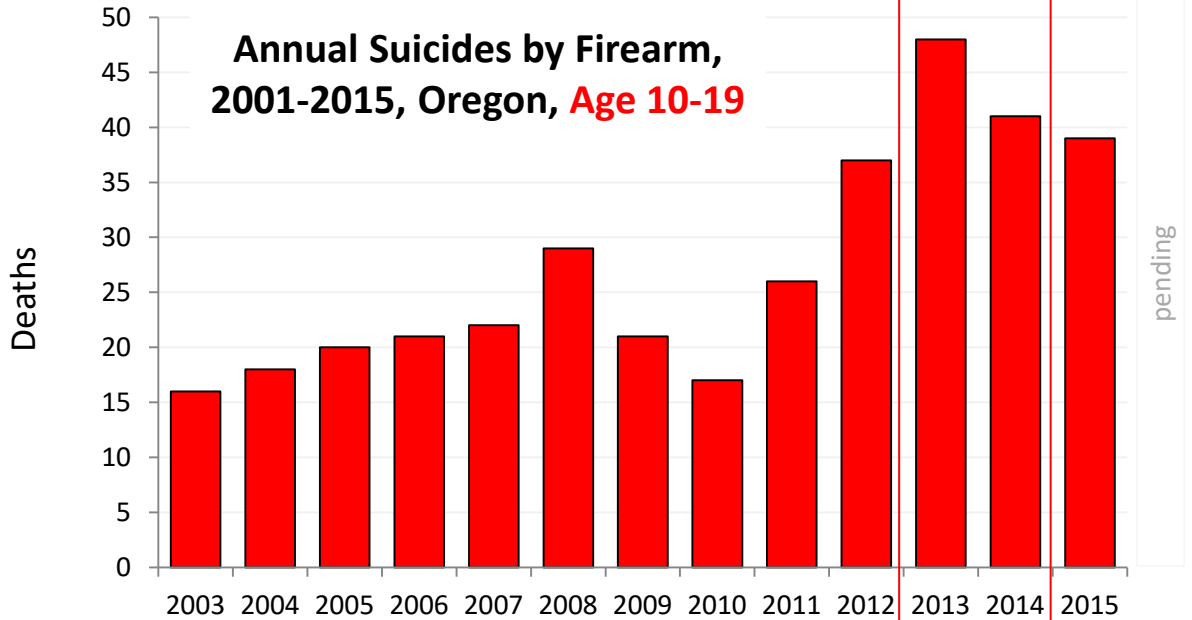
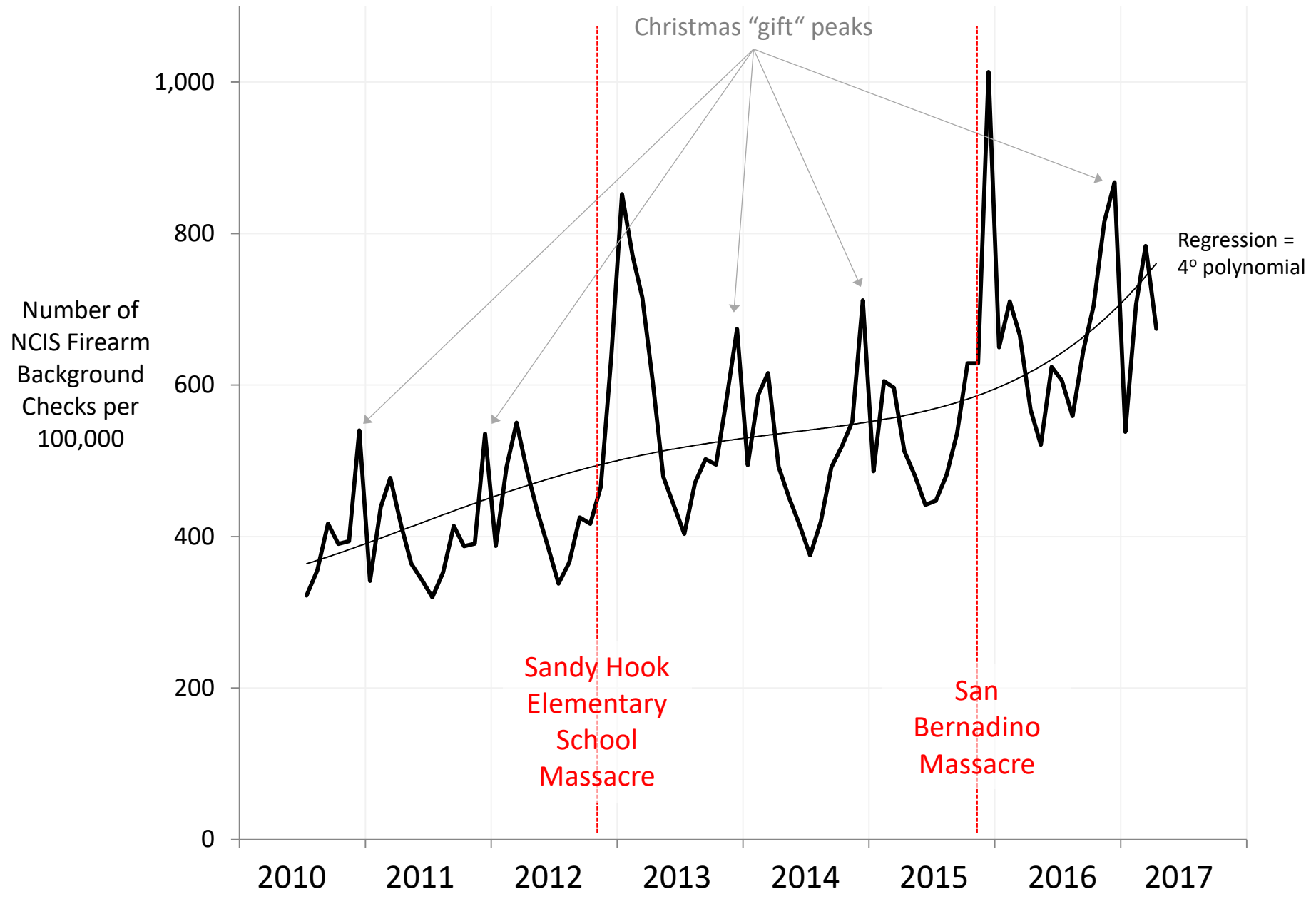


Fig. 9

Monthly NCIS Firearm Background Checks in Oregon per 100,000 Population, July 2010 – April 2017



Teen Suicide in the U.S.

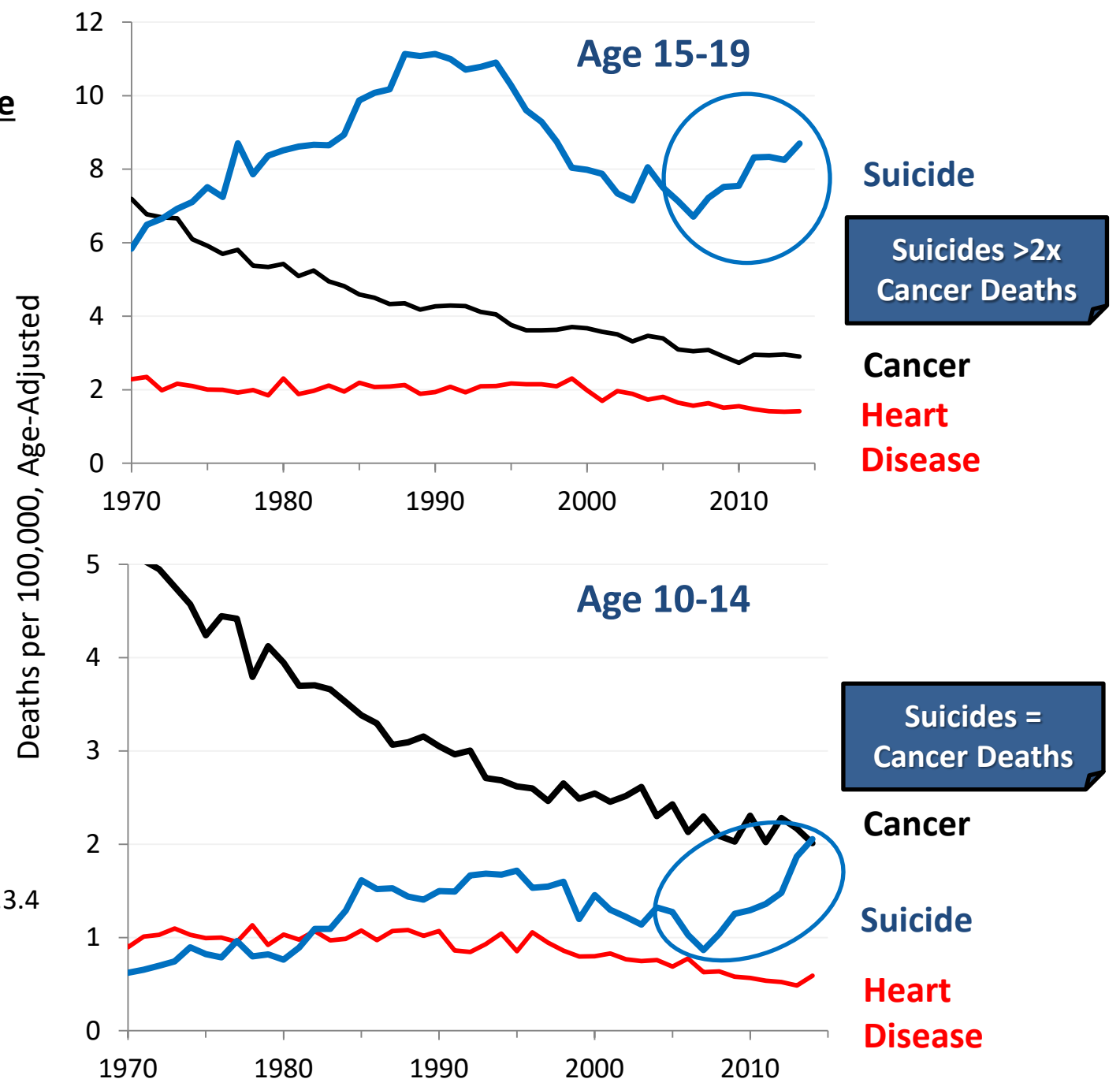
Among deaths due to disease* in the U.S. since 2007:

- The **suicide rate has doubled in 10 to 14 year-olds** and **increased 25% in 15 to 19 year-olds** (Fig. 10).
- **Suicide has become the most common cause of *death due to disease* in 10 to 14 year-olds**, having exceeded cancer in 2015 (Fig. 10).
- **Suicide now accounts for twice as many deaths in 15 to 19 year-olds as the next two causes of death due to disease combined** (cancer and heart disease) (Fig. 10).
- **10 to 19 year-old females have had a greater increase in suicides than males**, primarily of mechanisms other than firearms, whereas males have had similar increases in firearm and non-firearm mediated suicides (Fig. 11).

*excluding accidents and homicides

Fig. 10

**Top 3 Causes of Death due to Disease
U.S., Annual Rates,
1970-2014**

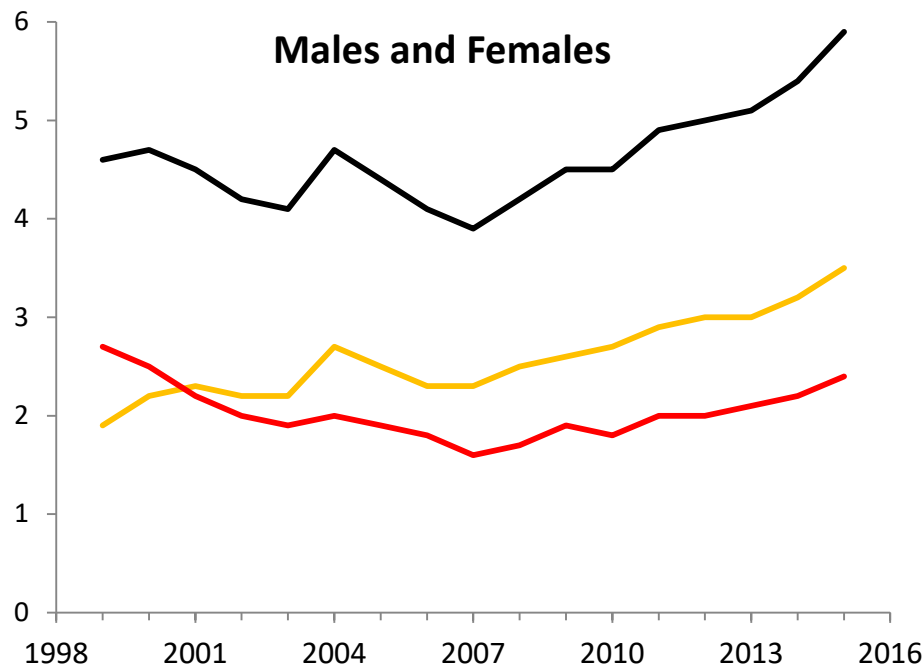


Data via NCI SEER*Stat v.8.3.4
and from NCHS
www.cdc.gov/nchs
Accessed May 15, 2017

Fig. 11

Annual Suicide Rate, 1999-2015, U.S., Age 10-19, by Mechanism of Suicide

- All Cases** (black line)
- Suicide by Other Method** (yellow line)
- Suicide by Firearm** (red line)



Deaths per 100,000, Age-Adjusted

