

UAW-GM Cohort Study

Suicide and fatal overdose after job loss (Cox analyses)

April 2, 2020

Tables and figures

Table 1: Summary of the **UAW-GM Cohort** restricted to men employed in or after 1970.

	All records		Subset with complete records ^b	
<i>N</i> (person-years)	26 606	(927 448)	17 356	(561 748)
Race, <i>n</i> (%)				
White	19 215	(72 %)	11 390	(66 %)
Black	5 209	(20 %)	3 804	(22 %)
Unknown	2 182	(8 %)	2 162	(12 %)
Plant^a, <i>n</i> (%)				
Plant 1	6 839	(26 %)	6 272	(36 %)
Plant 2	10 171	(38 %)	5 926	(34 %)
Plant 3	9 596	(36 %)	5 158	(30 %)
Complete work records	17 356	(65 %)	17 356	(100 %)
Year of hire	1967	(1958, 1975)	1964	(1952, 1970)
Age at hire	23	(20, 30)	25	(21, 33)
Year of birth	1942	(1928, 1950)	1933	(1922, 1946)
Year of worker exit	1990	(1980, 1995)	1983	(1976, 1990)
Age at worker exit	49	(40, 57)	52	(38, 60)
Age at death among deceased	69	(60, 79)	71	(61, 80)
Year of death among deceased	1999	(1990, 2008)	1997	(1988, 2006)
Suicide cases	199		168	
Fatal overdose cases	55		32	

Notes: Statistics shown are median (first quartile, third quartile), unless otherwise indicated.

^a Some subjects worked at several sites; plant indicates the site of longest work record time.

^b Left work by December 31, 1994 when employment records were truncated.

Figure 1: Crude rate (per 10,000 person-years) of suicide by calendar year in the **UAW-GM Cohort** restricted to men employed in or after 1970.

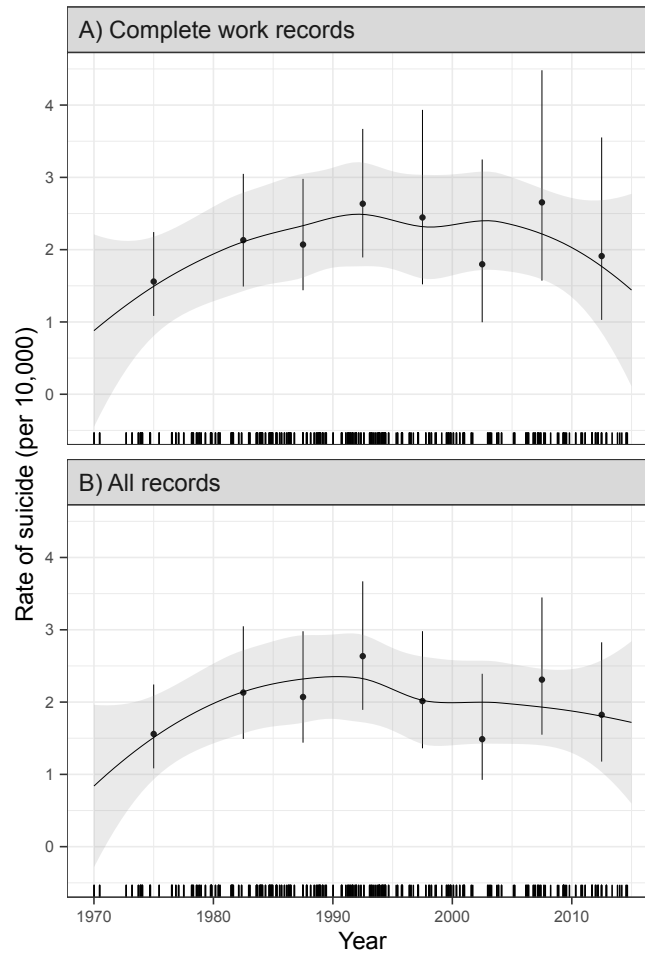


Table 2: Adjusted hazard ratio estimates for **suicide** by employment status in the **UAW-GM Cohort** restricted to men employed in or after 1970.

Job exit status	Recorded worker exit date			Fuzzy worker exit date [#]		
	<i>n</i>	HR	95% CI	<i>n</i>	HR	95% CI
At work	15	1.0	—	27	1.0	—
Not at work	153	24.6	14.0, 43.3	141	11.1	7.0, 17.6

Abbreviations: CI, confidence interval; HR, hazard ratio

Notes: Estimates were adjusted for plant, race, year of hire, and calendar year. Risk sets were indexed by age. Women were excluded from this analysis.

[#] Cases that occurred within a week after the recorded worker exit date were assumed to have occurred while still employed.

Table 3: Adjusted hazard ratio estimates for **suicide** and the combined outcome of **suicide and fatal overdose** in the **UAW-GM Cohort** restricted to men employed in or after 1970.

Age at worker exit	Suicide			Suicide and fatal overdose		
	<i>n</i>	HR	95% CI	<i>n</i>	HR	95% CI
55 or older	35	1.0	—	38	1.0	—
40 to 54	46	1.8	1.1, 2.8	49	1.7	1.1, 2.6
30 to 39	42	2.3	1.5, 3.7	53	2.6	1.7, 4.0
19 to 29	30	1.8	1.1, 3.0	43	2.5	1.6, 4.0

Abbreviations: CI, confidence interval; HR, hazard ratio

Notes: Estimates were adjusted for race, plant, and worker exit date. Risk sets were indexed by time since worker exit. Women and those with unknown date of worker exit were excluded from this analysis.

Figure 2: Crude rate (per 10,000 person-years) of the combined outcome of suicide and fatal overdose by calendar year in the **UAW-GM Cohort** restricted to men employed in or after 1970.

