## Hazard Ratios for onset of cognitive impairment: HRS, 2000-2018

Age 1.060*** (0.002)  Occupation (ref: administrative/clerical support)  Farming/forestry/fishing, mechanics/repair, construction, precision production 1.197** (0.062)  Managerial and professional specialty 0.920 (0.059)  Operators: machine, transport, handlers 1.288*** (0.092)  Other/armed forces/unknown 1.154* (0.067)  Professional specialty/technical support 0.852* (0.071)  Service 1.301*** (0.080)  Education  Less than HS diploma 1.551*** (0.068)  Some College Degree 0.680*** (0.034)  Race/ethnicity  Black 1.916*** (0.096)  Hispanic 1.323*** (0.096)  Parents' education  HS diploma 0.868*** (0.035)  Some College 0.881** (0.035)  Some College 0.883** (0.036)  Parents' education  HS diploma 0.868*** (0.035)  Some College 0.881** (0.035)	Variables	Hazard Ratio
Coccupation (ref: administrative/clerical support)   Farming/forestry/fishing, mechanics/repair, construction, precision production (0.062)   Managerial and professional specialty (0.059)   Operators: machine, transport, handlers (0.092)   Other/armed forces/unknown (0.067)   Professional specialty/technical support (0.067)   Professional specialty/technical support (0.071)   Sales (0.092)   Sales (0.094)   College	Δσρ	1 060***
Occupation (ref: administrative/clerical support)         1.197**           Farming/forestry/fishing, mechanics/repair, construction, precision production         1.197**           (0.062)         Managerial and professional specialty         0.920           Operators: machine, transport, handlers         1.288***           (0.092)         Other/armed forces/unknown         1.154*           (0.067)         Professional specialty/technical support         0.852*           Sales         0.994           (0.071)         Service         1.301***           (0.080)         Education           Less than HS diploma         1.551***           College         0.883**           (0.034)         0.680***           College Degree         0.680***           College Legree         0.680***           Hispanic         1.916***           Hispanic         1.323***           (0.079)         Gender (women)         0.923*           (0.079)         Gender (women)         0.923*           Farents' education         0.86***           HS diploma         0.86****           Kale         0.0035)           Some College         0.841*           0.062)	7.60	
Farming/forestry/fishing, mechanics/repair, construction, precision production         1.197**           (0.062)         (0.062)           Managerial and professional specialty         0.920           (0.059)         (0.059)           Operators: machine, transport, handlers         1.288***           (0.092)         (0.067)           Other/armed forces/unknown         (0.067)           Professional specialty/technical support         0.852*           (0.052)         (0.052)           Sales         0.994           (0.071)         (0.071)           Service         1.301***           (0.080)         (0.071)           Service         1.301***           (0.080)         (0.080)           Education         1.551***           Less than HS diploma         1.551***           (0.034)         (0.034)           College Degree         0.680***           (0.034)         (0.034)           Race/ethnicity         (0.096)           Hispanic         1.323***           (0.079)         (0.079)           Gender (women)         (0.035)           Parents' education         (0.035)           HS diploma         0.868***	Occupation (ref: administrative/clerical support)	(0.002)
(0.062)   Managerial and professional specialty   0.920 (0.059)   (0.059)   (0.059)   (0.059)   (0.059)   (0.059)   (0.059)   (0.092)   (0.092)   (0.092)   (0.092)   (0.092)   (0.092)   (0.092)   (0.067)   (0.067)   (0.067)   (0.052)   (0.052)   (0.052)   (0.052)   (0.071)   (0.071)   (0.071)   (0.071)   (0.071)   (0.071)   (0.080)		1.197**
Managerial and professional specialty       (0.059)         Operators: machine, transport, handlers       1.288***         (0.092)       (0.092)         Other/armed forces/unknown       1.154*         (0.067)       (0.067)         Professional specialty/technical support       0.852*         (0.052)       (0.052)         Sales       0.994         (0.071)       (0.071)         Service       1.301***         (0.080)       (0.080)         Education       1.551***         Less than HS diploma       1.551***         (0.068)       (0.084)         College Degree       0.680***         (0.034)       (0.034)         Race/ethnicity       1.916***         Black       1.916***         (0.096)       (0.096)         Hispanic       1.323***         (0.079)       (0.079)         Gender (women)       0.923*         (0.036)       (0.036)         Parents' education       0.868***         HS diploma       0.868***         (0.035)       (0.035)         Some College       0.841*         (0.062)		
Operators: machine, transport, handlers         1.288***           (0.092)         (0.092)           Other/armed forces/unknown         1.154*           (0.067)         (0.067)           Professional specialty/technical support         0.852*           (0.052)         Sales           Sales         0.994           (0.071)         Service           Education         1.301***           Less than HS diploma         1.551***           (0.068)         0.883**           (0.034)         (0.034)           College Degree         0.680***           (0.034)         (0.034)           Race/ethnicity         1.916***           Black         1.916***           (0.096)         1.323***           (0.079)         (0.079)           Gender (women)         0.923*           (0.036)         (0.036)           Parents' education         Whisping the property of th	Managerial and professional specialty	
Operators: machine, transport, handlers       1.288***         (0.092)       (0.092)         Other/armed forces/unknown       1.154*         (0.067)       (0.067)         Professional specialty/technical support       0.852*         (0.052)       0.994         Sales       0.994         (0.071)       0.071         Service       1.301***         (0.080)       0.080         Education       1.551***         Less than HS diploma       1.551***         College Degree       0.680***         (0.034)       0.034)         College Degree       0.680***         Hispanic       1.916***         (0.096)       0.079         Gender (women)       0.923*         (0.036)       0.036)         Parents' education       0.868***         HS diploma       0.868***         Some College       0.841*         (0.035)       0.062)	a.ragariar and processors,	
Other/armed forces/unknown       1.154*         (0.067)       (0.067)         Professional specialty/technical support       0.852*         (0.052)       (0.052)         Sales       0.994         (0.071)       (0.071)         Service       1.301***         (0.080)       (0.080)         Education       1.551***         Less than HS diploma       1.551***         College       0.883**         (0.034)       (0.034)         College Degree       0.680***         (0.034)       (0.034)         Race/ethnicity       1.916***         Black       (0.096)         Hispanic       1.323***         (0.079)       (0.079)         Gender (women)       0.923*         (0.036)       (0.036)         Parents' education       0.868***         HS diploma       0.868***         Some College       0.841*         (0.062)	Operators: machine, transport, handlers	
Other/armed forces/unknown       1.154*         (0.067)         Professional specialty/technical support       0.852*         (0.052)         Sales       0.994         (0.071)         Service       1.301***         (0.080)         Education         Less than HS diploma       1.551***         (0.068)         Some College       0.883**         (0.034)         College Degree       0.680***         (0.034)         Race/ethnicity         Black       1.916***         (0.096)         Hispanic       1.323***         (0.079)         Gender (women)       0.923*         (0.036)         Parents' education         HS diploma       0.868***         (0.035)         Some College       0.841*         (0.062)	operations maximis, statistically managed	
(0.067)   Professional specialty/technical support   0.852* (0.052)	Other/armed forces/unknown	
Professional specialty/technical support         0.852*           Sales         0.994           (0.071)         (0.071)           Service         1.301***           (0.080)         (0.080)           Education         1.551***           Less than HS diploma         1.551***           Some College         0.883**           College Degree         0.680****           College Degree         0.680***           Hispanic         1.916***           Hispanic         1.323***           Gender (women)         0.923*           (0.036)         0.923*           (0.036)         0.923*           (0.036)         0.868***           Some College         0.841*           (0.062)         0.841*		
(0.052)   Sales	Professional specialty/technical support	
Sales       0.994         (0.071)       (0.071)         Service       1.301***         (0.080)       (0.080)         Education       1.551***         Less than HS diploma       1.551***         Some College       0.883**         (0.034)       (0.034)         College Degree       0.680***         (0.034)       (0.034)         Race/ethnicity       (0.096)         Hispanic       1.323***         (0.079)       (0.079)         Gender (women)       0.923*         Parents' education       (0.035)         HS diploma       0.868***         KS diploma       0.035)         Some College       0.841*         (0.062)       0.841*		
(0.071)   Service	Sales	
Service       1.301***         Education       (0.080)         Less than HS diploma       1.551***         Some College       0.883**         College Degree       0.680***         College Degree       0.680***         Black       1.916***         Hispanic       1.323***         Gender (women)       0.923*         Parents' education       (0.035)         HS diploma       0.868***         Some College       0.841*         (0.062)		
Education       1.551***         Less than HS diploma       1.551***         Concess       0.068)         Some College       0.883**         College Degree       0.680***         College Degree       0.680***         Black       1.916***         Hispanic       1.323***         Gender (women)       0.923*         Gender (women)       0.923*         Farents' education       0.868***         HS diploma       0.868***         Some College       0.841*         (0.062)	Service	
Education       1.551***         Less than HS diploma       1.551***         (0.068)       0.883**         (0.034)       (0.034)         College Degree       0.680***         (0.034)       (0.034)         Race/ethnicity       1.916***         Black       1.916***         (0.096)       (0.096)         Hispanic       (0.079)         Gender (women)       0.923*         (0.036)       (0.036)         Parents' education       0.868***         HS diploma       0.868***         Some College       0.841*         (0.062)		
Less than HS diploma       1.551***         (0.068)       0.883**         (0.034)       (0.034)         College Degree       0.680***         (0.034)       (0.034)         Race/ethnicity       1.916***         Black       1.916***         (0.096)       (0.096)         Hispanic       (0.079)         Gender (women)       0.923*         (0.036)       (0.036)         Parents' education       0.868***         HS diploma       0.868***         Some College       0.841*         (0.062)	Education	(0.000)
Some College 0.883** (0.034) College Degree 0.680*** (0.034) Race/ethnicity Black 1.916*** (0.096) Hispanic 1.323*** (0.079) Gender (women) 0.923* (0.036) Parents' education HS diploma 0.868*** (0.035) Some College 0.841* (0.062)		1.551***
Some College       0.883**         (0.034)       (0.034)         College Degree       0.680***         (0.034)       (0.034)         Race/ethnicity       1.916***         Black       1.916***         (0.096)       (0.096)         Hispanic       1.323***         (0.079)       (0.079)         Gender (women)       0.923*         (0.036)       (0.035)         Some College       0.841*         (0.062)		
College Degree 0.680*** (0.034)  Race/ethnicity  Black 1.916*** (0.096)  Hispanic 1.323*** (0.079)  Gender (women) 0.923* (0.036)  Parents' education  HS diploma 0.868*** (0.035)  Some College 0.841* (0.062)	Some College	
College Degree       0.680***         (0.034)         Race/ethnicity         Black       1.916***         (0.096)         Hispanic       1.323***         (0.079)         Gender (women)       0.923*         (0.036)         Parents' education         HS diploma       0.868***         (0.035)         Some College       0.841*         (0.062)		
Race/ethnicity  Black 1.916*** (0.096)  Hispanic 1.323*** (0.079)  Gender (women) 0.923* (0.036)  Parents' education  HS diploma 0.868*** (0.035)  Some College 0.841* (0.062)	College Degree	
Race/ethnicity       1.916***         Black       1.916***         (0.096)       (0.076)         Hispanic       (0.079)         Gender (women)       0.923*         (0.036)       (0.036)         Parents' education       0.868***         HS diploma       0.868***         Some College       0.841*         (0.062)		
Black       1.916***         (0.096)       (0.096)         Hispanic       1.323***         (0.079)       (0.079)         Gender (women)       0.923*         (0.036)       (0.036)         Parents' education       0.868***         HS diploma       0.868***         Some College       0.841*         (0.062)	Race/ethnicity	, ,
Hispanic 1.323*** (0.079) Gender (women) 0.923* (0.036)  Parents' education HS diploma 0.868*** (0.035) Some College 0.841* (0.062)		1.916***
(0.079) Gender (women) 0.923* (0.036) Parents' education HS diploma 0.868*** (0.035) Some College 0.841* (0.062)		(0.096)
Gender (women)       (0.079)         0.923*       (0.036)         Parents' education       0.868***         HS diploma       0.868***         (0.035)       0.841*         (0.062)	Hispanic	
Gender (women)       0.923*         (0.036)         Parents' education         HS diploma       0.868***         (0.035)         Some College       0.841*         (0.062)		(0.079)
Parents' education  HS diploma  0.868***  (0.035)  Some College  0.841*  (0.062)	Gender (women)	0.923*
HS diploma 0.868*** (0.035) Some College 0.841* (0.062)		(0.036)
(0.035) Some College 0.841* (0.062)	Parents' education	
(0.035) Some College 0.841* (0.062)	HS diploma	0.868***
Some College 0.841* (0.062)		(0.035)
(0.062)	Some College	
College Degree 0.763***		(0.062)
	College Degree	0.763***

	(0.051)
Fair/poor health	1.555***
	(0.057)
Ever smoked	1.077*
	(0.033)
Retired	0.646***
	(0.042)
Disabled/other	0.841***
	(0.040)
Observations	92,836

Standard errors in parentheses

\*\*\* p<0.001, \*\* p<0.01, \* p<0.05

Pairwise comparisons for occupation

		•	Unadjusted		Unadjusted	
	Contrast	Std. err.	t	P> t	[95% c	onf. interval]
rmainocc						
farm/mech/construct/precision						
prod						
VS						
clerical/admin support	<mark>.1798274</mark>	.0521171	3.45	0.001	.0752468	.2844081
Managerial specialty op						
vs						
clerical/admin support	0835342	.0640506	-1.30	0.198	2120611	.0449927
operators vs clerical/admin	<mark>.252997</mark>	.0715411	3.54	0.001	.1094393	.3965547
support						
other/unknown vs	<mark>.14322</mark>	.0582447	2.46	0.017	.0263435	.2600966
clerical/admin support						
prof specialty opr/tech						
VS	4507045	0644000	2.64	0.040	222755	0070705
clerical/admin support	1597245	.0611229	-2.61	0.012	2823766	0370725
sales vs clerical/admin support	0062391	.0712274	-0.09	0.931	1491672	.1366891
service vs clerical/admin	<mark>.2628406</mark>	.0613503	4.28	0.000	.1397322	.385949
support						
Managerial specialty op						
vs farm/mech/construct/precision	2633616	0633690	-4.22	0.000	200514	1202002
• • • •	<del>2033010</del>	.0623689	-4.22	0.000	388514	1382092
prod						
operators vs						
farm/mech/construct/precision	.0731695	.0659446	1.11	0.272	059158	.2054971
prod	.0751095	.0059440	1.11	0.272	059156	.2054971
other/unknown						
VS						
farm/mech/construct/precision	0366074	.0538001	-0.68	0.499	1445652	.0713504
prod	.0300074	.055001	0.00	0.455	.1773032	.0713304
prof specialty opr/tech						
VS						
V3						

farm/mech/construct/precision prod	339552	.0658797	-5.15	0.000	4717492	2073547
sales						
VS	400000	0500405	2.50	0.040	2252424	0.450005
farm/mech/construct/precision prod	<mark>1860665</mark>	.0693425	-2.68	0.010	3252124	0469206
service						
vs						
farm/mech/construct/precision	.0830132	.0583004	1.42	0.160	0339752	.2000015
prod	2265244	05.02.64	5 O 7	0.000	2225045	4405577
operators vs Managerial specialty op	<mark>.3365311</mark>	.0563261	5.97	0.000	.2235045	.4495577
other/unknown vs Managerial	.2267542	.0627536	3.61	0.001	.1008299	.3526785
specialty op						
prof specialty opr/tech						
VS	0764004	070005	4.00	0.007	2244225	070000
Managerial specialty op	0761904	.0738995	-1.03	0.307	2244806	.0720998
sales vs Managerial specialty	.0772951	.0732005	1.06	0.296	0695924	.2241826
op service vs Managerial specialty	.3463748	.0721667	4.80	0.000	.2015617	.4911878
op	.3403748	.0721007	4.80	0.000	.2013017	.4311878
other/unknown vs operators	1097769	.0674902	-1.63	0.110	2452059	.0256521
prof specialty opr/tech vs	412721 <mark>5</mark>	.0699177	-5.90	0.000	5530216	2724214
operators						
sales vs operators	<mark>259236</mark>	.0617661	-4.20	0.000	3831788	1352932
service vs operators	.0098436	.0703269	0.14	0.889	1312775	.1509648
prof specialty opr/tech vs	<del>3029446</del>	.069202	-4.38	0.000	4418087	1640805
other/unknown						
sales vs other/unknown	<mark>1494591</mark>	.0581427	-2.57	0.013	266131	0327873
service vs other/unknown	<mark>.1196205</mark>	.0550403	2.17	0.034	.0091741	.230067
sales vs prof specialty opr/tech	<mark>.1534855</mark>	.0732708	2.09	0.041	.0064568	.3005141
service vs prof specialty	<mark>.4225651</mark>	.0520169	8.12	0.000	.3181857	.5269446
opr/tech						
service vs sales	<mark>.2690797</mark>	.0655356	4.11	0.000	.1375728	.4005865