
Section 7

NORA Services (SRV) Sector

Table 7-1. NORA services sector: Number and percent of deaths with selected work-related respiratory condition, U.S. residents age 15 and over, selected states and years, 1990–1999

Condition	Number of Deaths	Percent
All Pneumoconioses	731	0.1
Asbestosis	434	0.0
Coal Workers' Pneumoconiosis	152	0.0
Malignant Mesothelioma (all sites)*	135	0.0
Unspecified and Other Pneumoconioses	84	0.0
Silicosis	60	0.0
Hypersensitivity Pneumonitis	12	0.0
Byssinosis	9	0.0
All other conditions within this sector	1,419,930	99.9
TOTAL	1,421,547	100.0

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* data for malignant mesothelioma are for 1999 only.

NOTE: The sum of the individual and all other condition death totals may be greater than the total number of deaths in the selected states and years because some decedents have more than one condition listed on their death certificates. Percentages may not total to 100% due to rounding. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

NORA Services Sector

Table 7-2. NORA *services* sector: Proportionate mortality ratio (PMR) adjusted for age, sex, and race for selected work-related respiratory conditions, U.S. residents age 15 and over, selected states and years, 1990–1999

Condition	Number of Deaths	PMR	95% Confidence Interval	
			LCL	UCL
Malignant Mesothelioma (all sites)*	135	1.0	0.8	1.1
Asbestosis	434	0.6	0.6	0.7
Byssinosis	9	0.5	0.2	0.9
Hypersensitivity Pneumonitis	12	0.4	0.2	0.7
All Pneumoconioses	731	0.3	0.3	0.3
Silicosis	60	0.3	0.2	0.4
Unspecified and Other Pneumoconioses	84	0.2	0.2	0.3
Coal Workers' Pneumoconiosis	152	0.1	0.1	0.2
All other conditions within this sector	1,419,930			
TOTAL	1,421,547			

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* data for malignant mesothelioma are for 1999 only.

NOTE: The sum of the individual and all other condition death totals may be greater than the total number of deaths in the selected states and years because some decedents have more than one condition listed on their death certificates. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

Table 7-3. NORA services sector and asbestosis: Most frequently recorded industries and occupations on death certificate, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry/Occupation		Number of Deaths*	Percent
CIC	Industry		
901	General government, n.e.c.	71	16.4
842	Elementary and secondary schools	53	12.2
942	Military	47	10.8
751	Automotive repair and related services	31	7.1
910	Justice, public order, and safety	25	5.8
932	National security and international affairs	25	5.8
641	Eating and drinking places	18	4.1
712	Real estate, including real estate-insurance offices	15	3.5
711	Insurance	14	3.2
881	Membership organizations	13	3.0
	All other industries within this sector	122	28.1
	TOTAL	434	100.0
COC	Occupation		
905	Military occupations	43	9.9
453	Janitors and cleaners	30	6.9
019	Managers and administrators, n.e.c.	28	6.5
505	Automobile mechanics	22	5.1
575	Electricians	15	3.5
585	Plumbers, pipefitters, and steamfitters	11	2.5
254	Real estate sales occupations	8	1.8
696	Stationary engineers	8	1.8
176	Clergy	7	1.6
417	Firefighting occupations	7	1.6
457	Barbers	7	1.6
637	Machinists	7	1.6
783	Welders and cutters	7	1.6
	All other occupations within this sector	224	51.6
	Occupation not reported within this sector	10	2.3
	TOTAL	434	100.0

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code n.e.c. - not elsewhere classified
 * The total number of deaths with asbestosis reported was 2,859 in these same selected states and years, and the comparable number of asbestosis deaths in the entire United States for this same time period was 10,914.

NOTE: Percentages may not total to 100% due to rounding. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

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Table 7-4. NORA services sector and asbestosis: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by industry and occupation, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry/Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
CIC	Industry				
881	Membership organizations	13	2.5	1.3	4.2
	All other industries within this sector	421			
	TOTAL	434			
COC	Occupation				
593	Insulation workers	5	124.5	40.3	290.9
585	Plumbers, pipefitters, and steamfitters	11	8.2	4.1	14.6
575	Electricians	15	4.7	2.6	7.8
057	Mechanical engineers	6	2.8	1.0	6.2
637	Machinists	7	2.8	1.1	5.7
	All other occupations within this sector	380			
	Occupation not reported within this sector	10			
	TOTAL	434			

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code
 n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

* The total number of deaths with asbestosis reported was 2,859 in these same selected states and years, and the comparable number of asbestosis deaths in the entire United States for this same time period was 10,914.

NOTE: See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

Table 7-5. NORA services sector and coal workers' pneumoconiosis: Most frequently recorded industries and occupations on death certificate, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry/Occupation		Number of Deaths*	Percent
CIC	Industry		
842	Elementary and secondary schools	20	13.2
901	General government, n.e.c.	15	9.9
751	Automotive repair and related services	13	8.6
880	Religious organizations	11	7.2
910	Justice, public order, and safety	9	5.9
712	Real estate, including real estate-insurance offices	8	5.3
931	Administration of economic programs	8	5.3
760	Miscellaneous repair services	7	4.6
942	Military	6	3.9
881	Membership organizations	5	3.3
930	Administration of environmental quality and housing programs	5	3.3
	All other industries within this sector	45	29.6
	TOTAL	152	100.0
COC	Occupation		
453	Janitors and cleaners	20	13.2
176	Clergy	11	7.2
505	Automobile mechanics	9	5.9
426	Guards and police, except public service	8	5.3
019	Managers and administrators, n.e.c.	7	4.6
036	Inspectors and compliance officers, except construction	7	4.6
889	Laborers, except construction	6	3.9
808	Bus drivers	4	2.6
905	Military occupations	4	2.6
016	Managers, properties and real estate	3	2.0
253	Insurance sales occupations	3	2.0
379	General office clerks	3	2.0
423	Sheriffs, bailiffs, and other law enforcement officers	3	2.0
457	Barbers	3	2.0
547	Specified mechanics and repairers, n.e.c.	3	2.0
567	Carpenters	3	2.0
575	Electricians	3	2.0
783	Welders and cutters	3	2.0
	All other occupations within this sector	45	29.6
	Occupation not reported within this sector	4	2.6
	TOTAL	152	100.0

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code n.e.c. - not elsewhere classified
 * The total number of deaths with coal workers' pneumoconiosis reported was 4,893 in these same selected states and years, and the comparable number of coal workers' pneumoconiosis deaths in the entire United States for this same time period was 15,036.

NOTE: Percentages may not total to 100% due to rounding. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

NORA Services Sector

Table 7-6. NORA services sector and silicosis: Most frequently recorded industries and occupations on death certificate, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry/Occupation		Number of Deaths*	Percent
CIC	Industry		
641	Eating and drinking places	11	18.3
901	General government, n.e.c.	9	15.0
760	Miscellaneous repair services	6	10.0
842	Elementary and secondary schools	6	10.0
751	Automotive repair and related services	3	5.0
850	Colleges and universities	3	5.0
880	Religious organizations	3	5.0
171	Newspaper publishing and printing	2	3.3
761	Private households	2	3.3
771	Laundry, cleaning, and garment services	2	3.3
802	Miscellaneous entertainment and recreation services	2	3.3
892	Miscellaneous professional and related services	2	3.3
910	Justice, public order, and safety	2	3.3
	All other industries within this sector	7	11.7
	TOTAL	60	100.0
COC	Occupation		
453	Janitors and cleaners	11	18.3
019	Managers and administrators, n.e.c.	8	13.3
783	Welders and cutters	3	5.0
176	Clergy	2	3.3
188	Painters, sculptors, craft-artists, and artist printmakers	2	3.3
407	Private household cleaners and servants	2	3.3
426	Guards and police, except public service	2	3.3
435	Waiters and waitresses	2	3.3
486	Groundskeepers and gardeners, except farm	2	3.3
514	Automobile body and related repairers	2	3.3
889	Laborers, except construction	2	3.3
	All other occupations within this sector	22	36.7
	Occupation not reported within this sector	0	0.0
	TOTAL	60	100.0

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code n.e.c. - not elsewhere classified

* The total number of deaths with silicosis reported was 881 in these same selected states and years, and the comparable number of silicosis deaths in the entire United States for this same time period was 2,407.

NOTE: Percentages may not total to 100% due to rounding. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

Table 7-7. NORA *services* sector and byssinosis: Most frequently recorded industries on death certificate, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry		Number of Deaths*	Percent
CIC	Industry		
901	General government, n.e.c.	2	22.2
	All other industries within this sector	7	77.8
	TOTAL	9	100.0

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code n.e.c. - not elsewhere classified
 * The total number of deaths with byssinosis reported was 81 in these same selected states and years, and the comparable number of byssinosis deaths in the entire United States for this same time period was 125.

NOTE: Percentages may not total to 100% due to rounding. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

NORA Services Sector

Table 7-8. NORA services sector and unspecified and other pneumoconioses: Most frequently recorded industries and occupations on death certificate, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry/Occupation		Number of Deaths*	Percent
CIC	Industry		
842	Elementary and secondary schools	17	20.2
901	General government, n.e.c.	8	9.5
722	Services to dwellings and other buildings	7	8.3
641	Eating and drinking places	5	6.0
880	Religious organizations	5	6.0
751	Automotive repair and related services	4	4.8
910	Justice, public order, and safety	4	4.8
711	Insurance	3	3.6
850	Colleges and universities	3	3.6
922	Administration of human resources programs	3	3.6
	All other industries within this sector	25	29.8
	TOTAL	84	100.0
COC	Occupation		
453	Janitors and cleaners	15	17.9
019	Managers and administrators, n.e.c.	7	8.3
176	Clergy	5	6.0
156	Teachers, elementary school	4	4.8
808	Bus drivers	4	4.8
505	Automobile mechanics	3	3.6
243	Supervisors and proprietors, sales occupations	2	2.4
253	Insurance sales occupations	2	2.4
426	Guards and police, except public service	2	2.4
449	Maids and housemen	2	2.4
457	Barbers	2	2.4
575	Electricians	2	2.4
844	Operating engineers	2	2.4
889	Laborers, except construction	2	2.4
	All other occupations within this sector	27	32.1
	Occupation not reported within this sector	3	3.6
	TOTAL	84	100.0

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code n.e.c. - not elsewhere classified

* The total number of deaths with unspecified and other pneumoconioses reported was 1,440 in these same selected states and years, and the comparable number of unspecified and other pneumoconioses deaths in the entire United States for this same time period was 3,384.

NOTE: Percentages may not total to 100% due to rounding. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

Table 7-9. NORA services sector and all pneumoconioses: Most frequently recorded industries and occupations on death certificate, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry/Occupation		Number of Deaths*	Percent
CIC	Industry		
901	General government, n.e.c.	105	14.4
842	Elementary and secondary schools	96	13.1
942	Military	53	7.3
751	Automotive repair and related services	51	7.0
910	Justice, public order, and safety	41	5.6
641	Eating and drinking places	37	5.1
880	Religious organizations	28	3.8
932	National security and international affairs	27	3.7
760	Miscellaneous repair services	25	3.4
712	Real estate, including real estate-insurance offices	24	3.3
	All other industries within this sector	244	33.4
	TOTAL	731	100.0
COC	Occupation		
453	Janitors and cleaners	76	10.4
019	Managers and administrators, n.e.c.	50	6.8
905	Military occupations	47	6.4
505	Automobile mechanics	34	4.7
176	Clergy	26	3.6
575	Electricians	21	2.9
426	Guards and police, except public service	16	2.2
889	Laborers, except construction	16	2.2
036	Inspectors and compliance officers, except construction	15	2.1
156	Teachers, elementary school	13	1.8
783	Welders and cutters	13	1.8
	All other occupations within this sector	387	52.9
	Occupation not reported within this sector	17	2.3
	TOTAL	731	100.0

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code n.e.c. - not elsewhere classified

* The total number of deaths with all pneumoconioses reported was 10,014 in these same selected states and years, and the comparable number of all pneumoconioses deaths in the entire United States for this same time period was 31,455.

NOTE: Percentages may not total to 100% due to rounding. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

NORA Services Sector

Table 7-10. NORA services sector and all pneumoconioses: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by occupation, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
COC	Occupation				
593	Insulation workers	5	38.4	12.4	89.8
585	Plumbers, pipefitters, and steamfitters	12	2.6	1.3	4.5
575	Electricians	21	1.9	1.2	2.9
	All other occupations within this sector	676			
	Occupation not reported within this sector	17			
	TOTAL	731			

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code

n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

* The total number of deaths with all pneumoconioses reported was 10,014 in these same selected states and years, and the comparable number of all pneumoconioses deaths in the entire United States for this same time period was 31,455.

NOTE: See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

Table 7-11. NORA services sector and malignant mesothelioma: Most frequently recorded industries and occupations on death certificate, U.S. residents age 15 and over, selected states, 1999

Bureau of Census Industry/Occupation		Number of Deaths*	Percent
CIC	Industry		
842	Elementary and secondary schools	20	14.8
901	General government, n.e.c.	13	9.6
850	Colleges and universities	8	5.9
910	Justice, public order, and safety	8	5.9
712	Real estate, including real estate-insurance offices	7	5.2
942	Military	7	5.2
751	Automotive repair and related services	6	4.4
641	Eating and drinking places	5	3.7
711	Insurance	5	3.7
880	Religious organizations	5	3.7
	All other industries within this sector	51	37.8
	TOTAL	135	100.0
COC	Occupation		
156	Teachers, elementary school	13	9.6
019	Managers and administrators, n.e.c.	11	8.1
453	Janitors and cleaners	8	5.9
418	Police and detectives, public service	6	4.4
905	Military occupations	6	4.4
313	Secretaries	5	3.7
154	Postsecondary teachers, subject not specified	4	3.0
176	Clergy	4	3.0
379	General office clerks	4	3.0
057	Mechanical engineers	3	2.2
243	Supervisors and proprietors, sales occupations	3	2.2
	All other occupations within this sector	67	49.6
	Occupation not reported within this sector	1	0.7
	TOTAL	135	100.0

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code n.e.c. - not elsewhere classified
 * The total number of deaths with malignant mesothelioma reported was 541 in these same selected states and year, and the comparable number of malignant mesothelioma deaths in the entire United States for this same time period was 2,484.

NOTE: Percentages may not total to 100% due to rounding. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

NORA Services Sector

Table 7-12. NORA *services* sector and malignant mesothelioma: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by occupation, U.S. residents age 15 and over, selected states, 1999

Bureau of Census Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
COC	Occupation				
156	Teachers, elementary school	13	2.1	1.1	3.7
	All other occupations within this sector	121			
	Occupation not reported within this sector	1			
	TOTAL	135			

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code
n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

* The total number of deaths with malignant mesothelioma reported was 541 in these same selected states and year, and the comparable number of malignant mesothelioma deaths in the entire United States for this same time period was 2,484.

NOTE: See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

Table 7-13. NORA services sector and hypersensitivity pneumonitis: Most frequently recorded industries and occupations on death certificate, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry/Occupation		Number of Deaths*	Percent
CIC	Industry		
842	Elementary and secondary schools	2	16.7
850	Colleges and universities	2	16.7
942	Military	2	16.7
	All other industries within this sector	6	50.0
	TOTAL	12	100.0
COC	Occupation		
905	Military occupations	2	16.7
	All other occupations within this sector	10	83.3
	Occupation not reported within this sector	0	0.0
	TOTAL	12	100.0

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code n.e.c. - not elsewhere classified

* The total number of deaths with hypersensitivity pneumonitis reported was 122 in these same selected states and years, and the comparable number of hypersensitivity pneumonitis deaths in the entire United States for this same time period was 398.

NOTE: Percentages may not total to 100% due to rounding. See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

NORA Services Sector

Table 7-14. NORA services sector and asthma: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by industry and occupation, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry/Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
CIC	Industry				
850	Colleges and universities	274	1.3	1.1	1.4
771	Laundry, cleaning, and garment services	178	1.2	1.0	1.4
901	General government, n.e.c.	502	1.1	1.0	1.2
	All other industries within this sector	6,366			
	TOTAL	7,320			
COC	Occupation				
803	Supervisors, motor vehicle operators	5	4.1	1.3	9.7
169	Social scientists, n.e.c.	7	2.7	1.1	5.6
744	Textile sewing machine operators	14	1.8	1.0	3.1
064	Computer systems analysts and scientists	22	1.6	1.0	2.4
154	Postsecondary teachers, subject not specified	62	1.6	1.2	2.1
666	Dressmakers	49	1.5	1.1	1.9
469	Personal service occupations, n.e.c.	42	1.4	1.0	1.9
186	Musicians and composers	46	1.4	1.0	1.9
159	Teachers, n.e.c.	74	1.3	1.0	1.6
157	Teachers, secondary school	87	1.3	1.0	1.6
	All other occupations within this sector	6,839			
	Occupation not reported within this sector	73			
	TOTAL	7,320			

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code

n.e.c. - not elsewhere classified LCL - lower confidence limit

UCL - upper confidence limit

* The total number of deaths with asthma reported was 29,703 in these same selected states and years, and the comparable number of asthma deaths in the entire United States for this same time period was 115,729.

NOTE: See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

Table 7-15. NORA services sector and chronic obstructive pulmonary disease: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by industry and occupation, U.S. residents age 15 and over, selected states, 1999

Bureau of Census Industry/Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
CIC	Industry				
751	Automotive repair and related services	627	1.3	1.2	1.4
641	Eating and drinking places	1,373	1.2	1.2	1.3
760	Miscellaneous repair services	183	1.2	1.1	1.4
762	Hotels and motels	335	1.2	1.1	1.3
771	Laundry, cleaning, and garment services	257	1.2	1.0	1.3
802	Miscellaneous entertainment and recreation services	291	1.2	1.0	1.3
942	Military	855	1.1	1.0	1.2
	All other industries within this sector	9,263			
	TOTAL	13,184			
COC	Occupation				
759	Painting and paint spraying machine operators	14	2.3	1.3	3.9
207	Licensed practical nurses	15	1.9	1.1	3.1
435	Waiters and waitresses	419	1.6	1.5	1.8
579	Painters, construction and maintenance	26	1.6	1.0	2.3
747	Pressing machine operators	45	1.4	1.0	1.9
507	Bus, truck, and stationary engine mechanics	45	1.4	1.0	1.8
505	Automobile mechanics	414	1.3	1.1	1.4
889	Laborers, except construction	145	1.2	1.1	1.5
436	Cooks	387	1.1	1.0	1.2
905	Military occupations	745	1.1	1.0	1.2
453	Janitors and cleaners	574	1.1	1.0	1.2
	All other occupations within this sector	10,187			
	Occupation not reported within this sector	168			
	TOTAL	13,184			

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code
n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

* The total number of deaths with chronic obstructive pulmonary disease reported was 57,073 in the same selected states and year, and the comparable number of chronic obstructive pulmonary disease deaths in the entire United States for this same time period was 245,415.

NOTE: See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

NORA Services Sector

Table 7-16. NORA services sector and respiratory tuberculosis: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by industry and occupation, U.S. residents age 15 and over, selected states and years, 1990–1999

Bureau of Census Industry/Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
CIC	Industry				
791	Miscellaneous personal services	33	1.9	1.3	2.7
750	Automotive services, except repair	17	1.8	1.0	2.9
760	Miscellaneous repair services	35	1.5	1.1	2.1
762	Hotels and motels	79	1.3	1.0	1.6
	All other industries within this sector	1,746			
	TOTAL	1,910			
COC	Occupation				
434	Bartenders	20	2.1	1.3	3.3
913	Retired, with no other occupation reported	11	2.0	1.0	3.6
747	Pressing machine operators	20	1.6	1.0	2.5
449	Maids and housemen	38	1.6	1.1	2.2
889	Laborers, except construction	68	1.3	1.0	1.6
	All other occupations within this sector	1,739			
	Occupation not reported within this sector	14			
	TOTAL	1,910			

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code

n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

* The total number of deaths with respiratory tuberculosis reported was 8,071 in these same selected states and years, and the comparable number of respiratory tuberculosis deaths in the entire United States for this same time period was 35,417.

NOTE: See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

Table 7-17. NORA services sector and lung cancer: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by industry and occupation, U.S. residents age 15 and over, selected states, 1999

Bureau of Census Industry/Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
CIC	Industry				
801	Bowling alleys, billiard and pool parlors	19	1.8	1.1	2.8
772	Beauty shops	211	1.3	1.1	1.5
802	Miscellaneous entertainment and recreation services	251	1.2	1.1	1.4
641	Eating and drinking places	909	1.2	1.1	1.2
942	Military	680	1.1	1.1	1.2
751	Automotive repair and related services	452	1.1	1.0	1.3
	All other industries within this sector	7,158			
	TOTAL	9,680			
COC	Occupation				
518	Industrial machinery repairers	12	2.2	1.1	3.8
459	Attendants, amusement and recreation facilities	48	1.8	1.3	2.4
456	Supervisors, personal service occupations	29	1.6	1.1	2.3
469	Personal service occupations, n.e.c.	43	1.4	1.0	1.9
435	Waiters and waitresses	251	1.4	1.3	1.6
303	Supervisors, general office	60	1.3	1.0	1.7
458	Hairdressers and cosmetologists	188	1.3	1.1	1.4
337	Bookkeepers, accounting, and auditing clerks	138	1.2	1.0	1.4
505	Automobile mechanics	310	1.2	1.1	1.3
905	Military occupations	590	1.1	1.1	1.2
453	Janitors and cleaners	450	1.1	1.0	1.2
019	Managers and administrators, n.e.c.	866	1.1	1.0	1.1
	All other occupations within this sector	6,564			
	Occupation not reported within this sector	131			
	TOTAL	9,680			

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code
n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

* The total number of deaths with lung cancer reported was 37,562 in these same selected states and year, and the comparable number of lung cancer deaths in the entire United States for this same time period was 162,546.

NOTE: See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

NORA Services Sector

Table 7-18. NORA *services* sector and other interstitial pulmonary diseases: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by occupation, U.S. residents age 15 and over, selected states, 1999

Bureau of Census Industry/Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
CIC	Industry				
891	Research, development and testing services	15	2.1	1.2	3.5
700	Banking	43	1.4	1.0	1.9
	All other industries within this sector	1,084			
	TOTAL	1,142			
COC	Occupation				
007	Financial managers	16	1.9	1.1	3.0
	All other occupations within this sector	1,107			
	Occupation not reported within this sector	19			
	TOTAL	1,142			

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code

n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

* The total number of other interstitial pulmonary diseases was 4,471 in these same selected states and year, and the comparable number of other interstitial pulmonary diseases deaths in the entire United States for this same time period was 18,655.

NOTE: See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.

Table 7-19. NORA *services* sector and pneumonia and influenza: Proportionate mortality ratio (PMR) adjusted for age, sex, and race by occupation, U.S. residents age 15 and over, selected states, 1999

Bureau of Census Occupation		Number of Deaths*	PMR	95% Confidence Interval	
				LCL	UCL
COC	Occupation				
803	Supervisors, motor vehicle operators	10	2.8	1.3	5.1
	All other occupations within this sector	12,123			
	Occupation not reported within this sector	144			
	TOTAL	12,277			

NORA - National Occupational Research Agenda CIC - Census Industry Code COC - Census Occupation Code
n.e.c. - not elsewhere classified LCL - lower confidence limit UCL - upper confidence limit

* The total number of deaths with pneumonia and influenza reported was 52,295 in these same selected states and year, and the comparable number of pneumonia and influenza deaths in the entire United States for this same time period was 229,136.

NOTE: See selected limitations for general cautions regarding inferences based on small numbers of deaths, and see appendices for source description, methods, ICD codes, industry and occupation codes, industrial sector groupings, and list of selected states and years.

SOURCE: National Center for Health Statistics multiple cause-of-death data.