

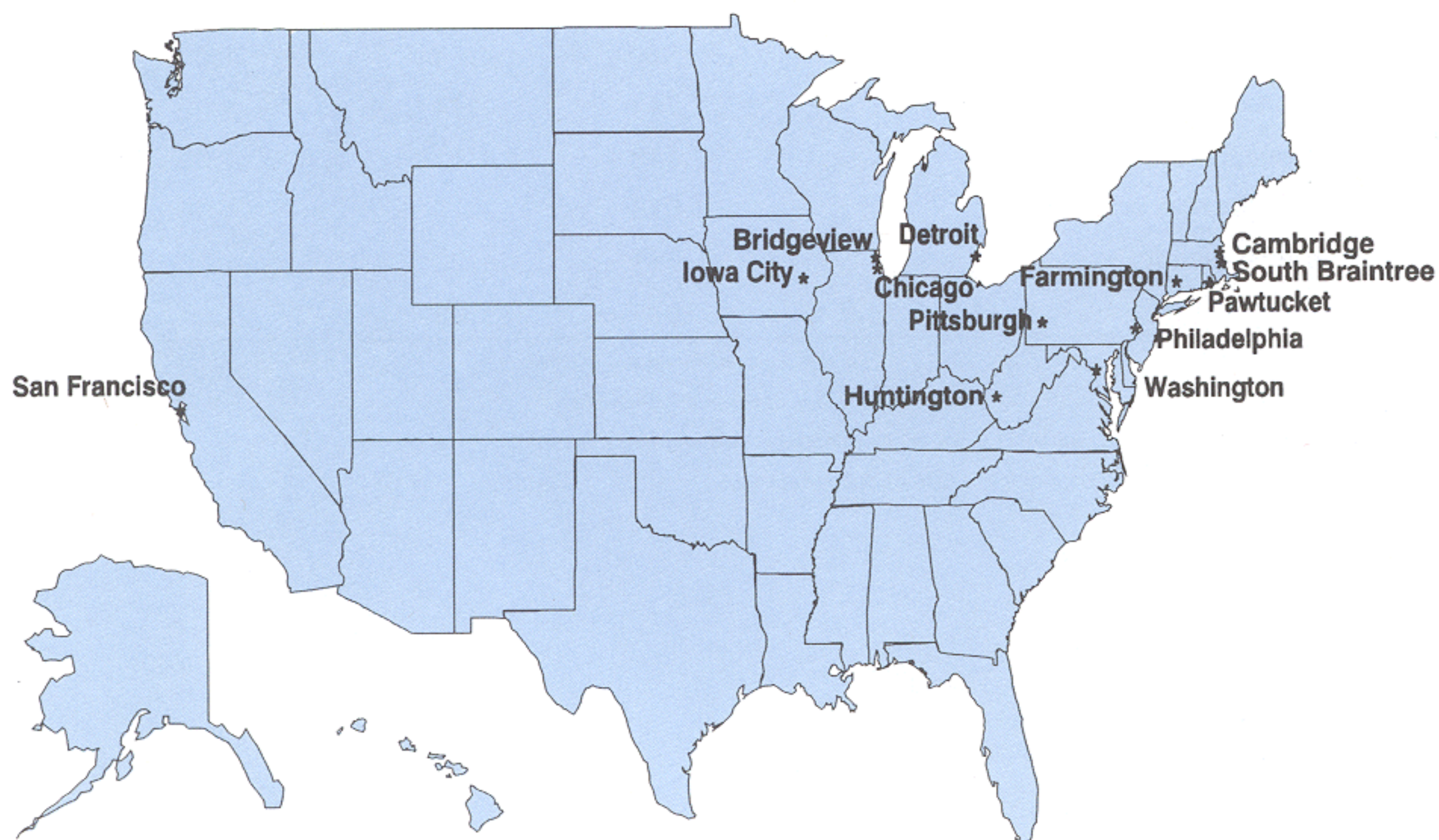
ASSOCIATION OF OCCUPATIONAL AND ENVIRONMENTAL CLINICS

Occupational Disease Surveillance Database

The Association of Occupational and Environmental Clinics (AOEC) has developed a unique surveillance database for a broad range of occupational diseases and cumulative injuries. The development of this Occupational Disease Surveillance Database has been supported in part by funding from the National Institute for Occupational Safety and Health (NIOSH).

See Appendix A for more information about the AOEC Database.

Figure 11-1. Geographic locations of AOEC member clinics reporting cases: January 1991 - September 1992



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Table 11-1. Occupational disorders: major diagnostic categories among 920 reported cases, January 1991 - September 1992

Diagnosis	Number	%
Respiratory disorders, including respiratory cancer	586	49.3
Musculoskeletal disorders	327	27.5
Symptoms and ill-defined conditions	63	5.3
Psychiatric and neurological disorders	62	5.2
Chemical poisonings/syndromes	57	4.8
Skin disorders	39	3.3
Disorders of sensory organs	20	1.7
Miscellaneous conditions, non-respiratory	18	1.5
Hepatic and renal disorders	9	0.8
Infectious diseases, non-respiratory	5	0.4
Tumors, non-respiratory	3	0.3
Total diagnoses	1,189	100.0

NOTE: Purified protein derivative conversions are included with respiratory disorders. Percentages may not total to 100% due to rounding.

SOURCE: AOEC Occupational Disease Surveillance Database.

Table 11-2. Occupational respiratory disorders: distribution of diagnoses related to exposures other than asbestos among 294 reported cases, January 1991 - September 1992

Diagnosis	Number	%
Asthma/RADS/hyperactive airways disease	118	37.7
Acute upper respiratory irritation	47	15.0
Chronic respiratory irritation	45	14.4
Bronchitis (not otherwise specified)	21	6.7
Chronic obstructive pulmonary disease	16	5.1
Chronic bronchitis	14	4.5
Chemical pneumonitis	11	3.5
Purified protein derivative (PPD) conversion	10	3.2
Hypersensitivity pneumonitis	6	1.9
Coal workers' pneumoconiosis	5	1.6
Silicosis	5	1.6
Acute bronchitis	4	1.3
Nasal septum perforation	3	1.0
Vocal chord/laryngeal disorders	3	1.3
Lung function abnormalities	3	1.0
Siderosis	1	0.3
Occupational pneumoconiosis, other	1	0.3
Total diagnoses	313	100.0

NOTE: Percentages may not total to 100% due to rounding. The AOEC Database contains reports of 1,189 occupational diagnoses made in 1991 and 1992 among 920 cases. Respiratory disorders constituted 586 (49%) of the diagnoses and 507 (55%) of the cases. Table 11-2 describes the diagnoses related to occupational exposures other than asbestos. Since asbestos-related diagnoses constitute such a distinct subset of the respiratory disease spectrum, and reflect the present burden of historical exposures, these diagnoses are described separately in Table 11-3.

SOURCE: AOEC Occupational Disease Surveillance Database.

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Table 11-3. Diagnoses among 213 reported cases with asbestos-related diseases, January 1991 - September 1992

Diagnosis	Number	%
Pleural disease	135	63.1
Asbestosis	106	49.5
Chronic obstructive pulmonary disease	14	6.5
Respiratory cancer	11	
Larynx	1	0.5
Bronchogenic	1	0.5
Adenocarcinoma	4	1.9
Mesothelioma	1	0.5
Lung cancer, not otherwise specified	4	1.9
Other	7	
Chronic bronchitis	3	1.4
Asthma	1	0.5
Restrictive lung disease, not otherwise specified	3	1.4
Total diagnoses	273	100.0

NOTE: Percents total to greater than 100% because some cases have more than one diagnosis.

SOURCE: AOEC Occupational Disease Surveillance Database.

Table 11-4. Occupational respiratory disorders: distribution by industry in which exposure occurred, January 1991 - September 1992

SIC	Industry	Number	%
20-39	Manufacturing	194	38.3
15-17	Construction	97	19.1
70-89	Services (hotel, motel, education, other)	84	16.6
40-49	Transportation, communication, electric, Gas and sanitary services	62	12.2
91-97	Public administration	22	4.3
1-9	Agriculture	14	2.8
10-14	Mining	9	1.8
51-59	Wholesale and retail trade	8	1.6
60-67	Finance, insurance and real estate	4	0.8
---	Industry missing	13	2.6
TOTAL		507	100.0

SIC - Standard Industrial Classification

NOTE: Cases include both non-asbestos and asbestos-related.
Percentages may not total to 100% due to rounding.

SOURCE: AOEC Occupational Disease Surveillance Database.

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Table 11-5. Occupational respiratory disorders: distribution by occupation in which exposure occurred, January 1991 - September 1992

SOC	Occupation	Number	%
63-65	Construction and extractive occupations	123	24.3
71-78	Production working occupations	116	22.9
67-69	Precision production occupations	55	10.8
85-87	Handlers, equipment cleaners, helpers, laborers	39	7.7
60-61	Mechanics and repairers	33	6.5
81-83	Transportation and material moving occupations	24	4.7
40-47	Marketing, sales, and administrative support	21	4.1
50-52	Service occupations	19	3.7
19-25	Social scientists, social workers, lawyers, and teachers	15	3.0
55-58	Agricultural, forestry and fishing occupations	13	2.6
26-30,36	Health care occupations and health technicians	10	2.0
37-39	Technologists and technicians, except health	8	1.6
11-14	Executive, administrative, and managerial	8	1.6
16-18	Engineers, architects, natural scientists, and mathematicians	7	1.4
32-34	Writers, artists, and entertainers	5	1.0
91,99	Military and miscellaneous occupations	2	0.4
---	Occupation missing	9	1.8
TOTAL		507	100.0

SOC - Standard Occupation Classification

NOTE: This table includes both non-asbestos and asbestos-related cases.

SOURCE: AOEC Occupational Disease Surveillance Database.