

2006

Brookhaven National Laboratory Annual Illness and Injury Surveillance Report



Brookhaven National Laboratory 2006 Illness and Injury Surveillance Report

Questions or comments about this report or the Illness and Injury Surveillance Program (IISP) may be directed to:

E-mail:

Dr. Cliff Strader at [**cliff.strader@hq.doe.gov**](mailto:cliff.strader@hq.doe.gov)
or Dr. Bonnie Richter at [**bonnie.richter@hq.doe.gov**](mailto:bonnie.richter@hq.doe.gov)

or direct letters to:

Mail Stop HS-13 / 270CC
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, DC 20585-0270

Additional information about the Department of Energy's Office of Illness and Injury Prevention Programs, the IISP, and annual reports for DOE sites participating in this program can be found at:

<http://www.hss.energy.gov/healthsafety/WSHP/epi/surv/>



Brookhaven National Laboratory 2006 2006 Illness and Injury Surveillance Report

At A Glance

The BNL work force totaled 3,118 in 2002 and declined to 2,774 in 2006, a decrease of 11 percent. The mean age of the work force has increased over the same period, a general trend among DOE sites participating in the Illness and Injury Surveillance Program (IISP).

There were a total of 100 absences among 749 women, a rate of 13.4 per 100 workers. Among 2,025 men, there were 285 absences, a rate of 14.1 per 100 workers. The absence rates have been steady since 2002 for both men and women, with the rate for women lower than the rate for men each year. In contrast, the rate for women was at least 50 percent higher than the rate for men each year between 1995 to 2004 among IISP sites as a group.

Conditions of the musculoskeletal and respiratory systems and unspecified symptoms have been the most common diagnoses reported for 3 of the past 4 years for both men and women.

Service workers tended to have the highest rates for all diagnoses combined from 2003 to 2006. The rates decreased over the same period for both men and women.

Injury rates declined since 2003 for both men and women. The increasing rates of musculoskeletal conditions seen since 1997 among women did not continue in 2006, when a dramatic decrease occurred. The rates for musculoskeletal conditions reported for men have been fairly steady from 2003 to 2006.

There were 43 definite occupational sentinel health event (SHEO) diagnoses reported in 2006. Musculoskeletal conditions (24 diagnoses) and injuries (15 diagnoses) accounted for most of the SHEO diagnoses.

Accidents were the cause of 31 of the 32 OSHA-recordable events in 2006. The most common type of accident was overexertion and strenuous movements, which accounted for 25 percent of the accidents. Among the 56 illness and injury diagnoses reported for OSHA events, 50 were injuries or musculoskeletal conditions.

The rate of OSHA events has decreased dramatically since 2004. The 2006 rate of 1.1 events per 100 workers is almost half of the rate of 2.0 events per 100 workers reported in 2004. Crafts workers had the highest rate of OSHA events (8.1 per 100 workers) in 2006. These patterns are similar to those observed at other DOE sites participating in the IISP.

The Brookhaven National Laboratory Work Force – 2006

The Work Force by Gender and Age 1

The Work Force by Gender and Job
Category 1

Number and Length of Absences

Absence Rate by Gender and Age 2

Number of Days Absent by
Gender and Age 2

Absence Rate by Job Category
and Gender..... 3

Average Duration of Absence by
Job Category and Gender..... 3

Diagnostic Categories

Number of Diagnoses and Lost Calendar
Days by Diagnostic Category
(Categorized by ICD-9-CM) and Gender..... 4

Common Diagnoses Among Female
Workers in 2006 5

Common Diagnoses Among Male
Workers in 2006 6

Number of Most Frequently Reported
Diagnoses by Job Category and Gender 7

Rates of Disease Occurrence

Rates for All Illnesses and Injuries
Combined by Job Category, Gender,
and Age 8

Rates for Selected Diagnostic Categories
by Job Category, Gender, and Age..... 8

Time Trends

Age-Adjusted Rates for All Diagnoses
Combined Among Women and Men
from 2003 to 2006 10

Age-Adjusted Rates for Selected Diagnostic
Categories Among Women and Men from
2003 to 2006 11

Age-Adjusted Rates for All Diagnoses
Combined Among Women and Men by
Job Category from 2003 to 2006 12

Sentinel Health Events for Occupations (SHEOs)

Characteristics of SHEOs by Gender 13

SHEO Diagnoses by Gender 13

Occupational Safety and Health Administration (OSHA)-Recordable Events

OSHA-Recordable Events by Gender
and Age 14

OSHA-Recordable Events by Job
Category and Gender 14

Diagnostic and Accident Categories for OSHA-Recordable Events

OSHA-Recordable Diagnoses by
Diagnostic Category and Gender 15

OSHA-Recordable Accidents by Type
and Gender..... 16

Rates of OSHA-Recordable Events

OSHA-Recordable Rates by Age and
Job Categories Among Women, All
Diagnoses Combined 17

OSHA-Recordable Rates by Age and
Job Categories Among Men, All
Diagnoses Combined 17

Time Trends for OSHA-Recordable Events

Age-Adjusted Rates for All OSHA-Recordable
Diagnoses Combined Among Women and
Men by Job Category from 2003 to 2006... 18

Appendices

Appendices A-W..... 20

The Brookhaven National Laboratory Work Force - 2006

Figure 1. The Work Force by Gender and Age

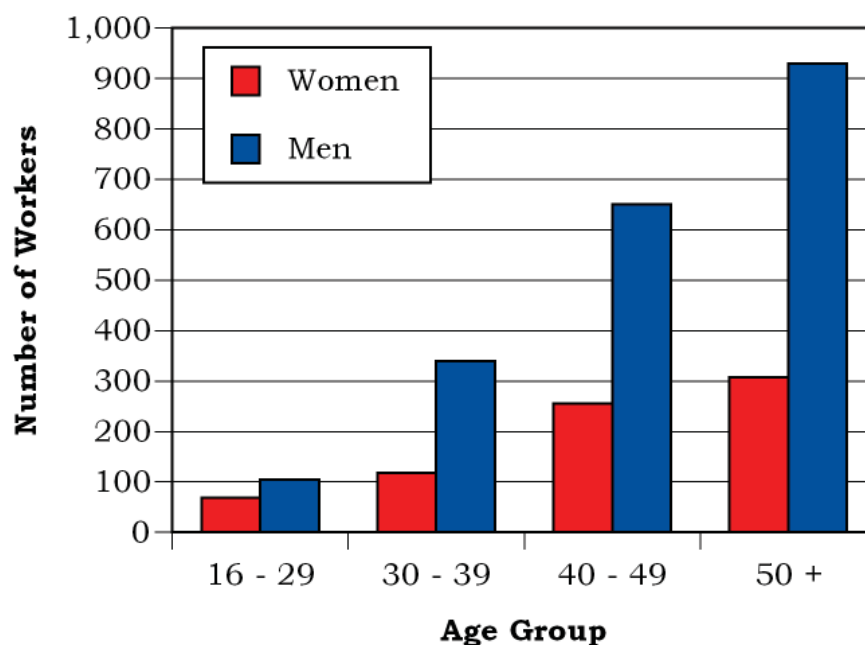


Figure 2. The Work Force by Gender and Job Category

Job Category	Women	Men
Professional	356 48%	1,251 62%
Administrative Support	305 41%	58 3%
Technical Support	41 5%	364 18%
Service	41 5%	168 8%
Security and Fire	4 1%	62 3%
Crafts	2 <1%	122 6%
Line Operators	0 0%	0 0%
Total	749 100%	2,025 100%

Number and Length of Absences

Figure 3. Absence Rate by Gender and Age

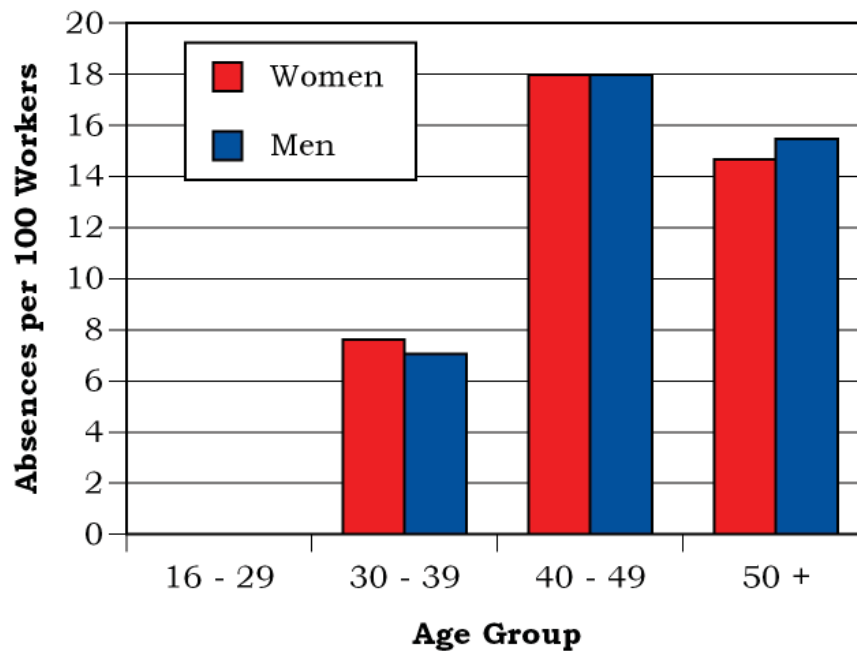


Figure 4. Number of Days Absent by Gender and Age

Gender	Age	Number of Absences	Number of Days Absent	
			Total	Average
Women	16-29	0	0	0
	30-39	9	216	24
	40-49	46	703	15
	50+	45	1,207	27
	Total	100	2,126	21
Men	16-29	0	0	0
	30-39	24	895	37
	40-49	117	1,967	17
	50+	144	2,473	17
	Total	285	5,335	19

Figure 5. Absence Rate by Job Category and Gender

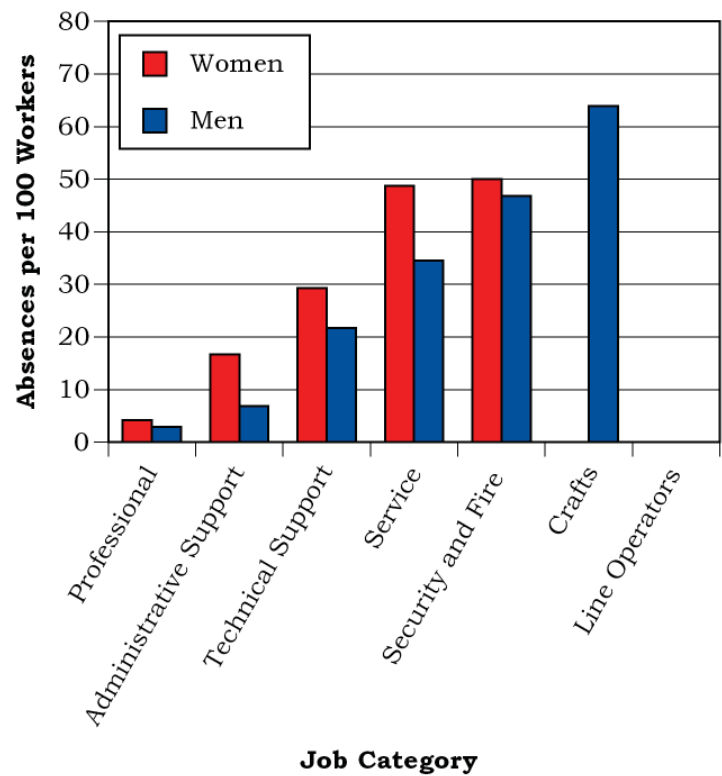
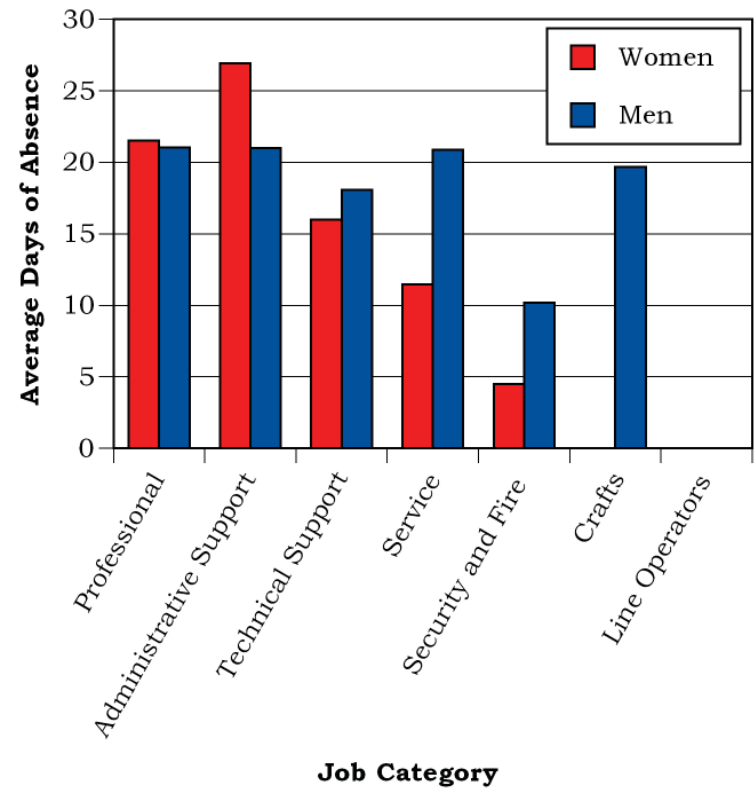


Figure 6. Average Duration of Absence by Job Category and Gender



Diagnostic Categories

Figure 7. Number of Diagnoses and Lost Calendar Days by Diagnostic Category (Categorized by ICD-9-CM) and Gender

Diagnostic Category	Women		Men	
	Number of Diagnoses	Number of Lost Calendar Days	Number of Diagnoses	Number of Lost Calendar Days
Benign Growths	2	82	2	14
Blood	0	0	1	7
Cancer	7	493	9	81
Digestive	22	442	23	420
Endocrine/Metabolic	1	8	8	94
Existing Birth Condition	0	0	2	22
Genitourinary	7	130	18	167
Heart/Circulatory	5	81	35	587
Infections/Parasites	1	5	11	92
Injury	8	388	41	1,288
Miscarriage	0	0	NA	NA
Musculoskeletal	24	447	127	1,918
Nervous System	13	131	24	598
Psychological	2	4	1	26
Respiratory	31	218	46	444
Skin	3	18	8	41
Unspecified Symptoms	31	284	74	402

Note: Lost calendar days for each absence are counted more than once when multiple diagnoses occur in different diagnostic categories for the same absence.

Figure 8. Common Diagnoses Among Female Workers in 2006

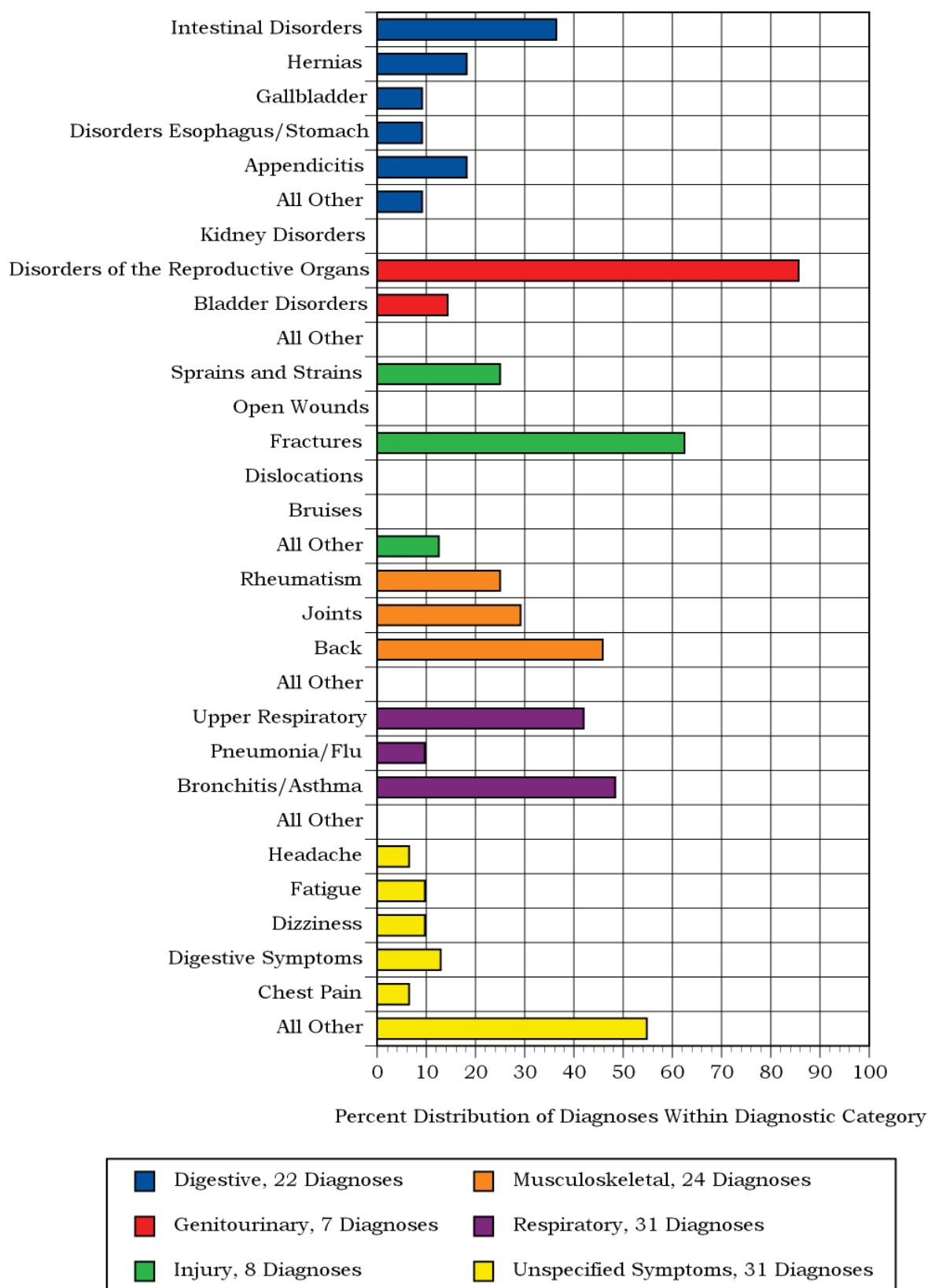


Figure 9. Common Diagnoses Among Male Workers in 2006

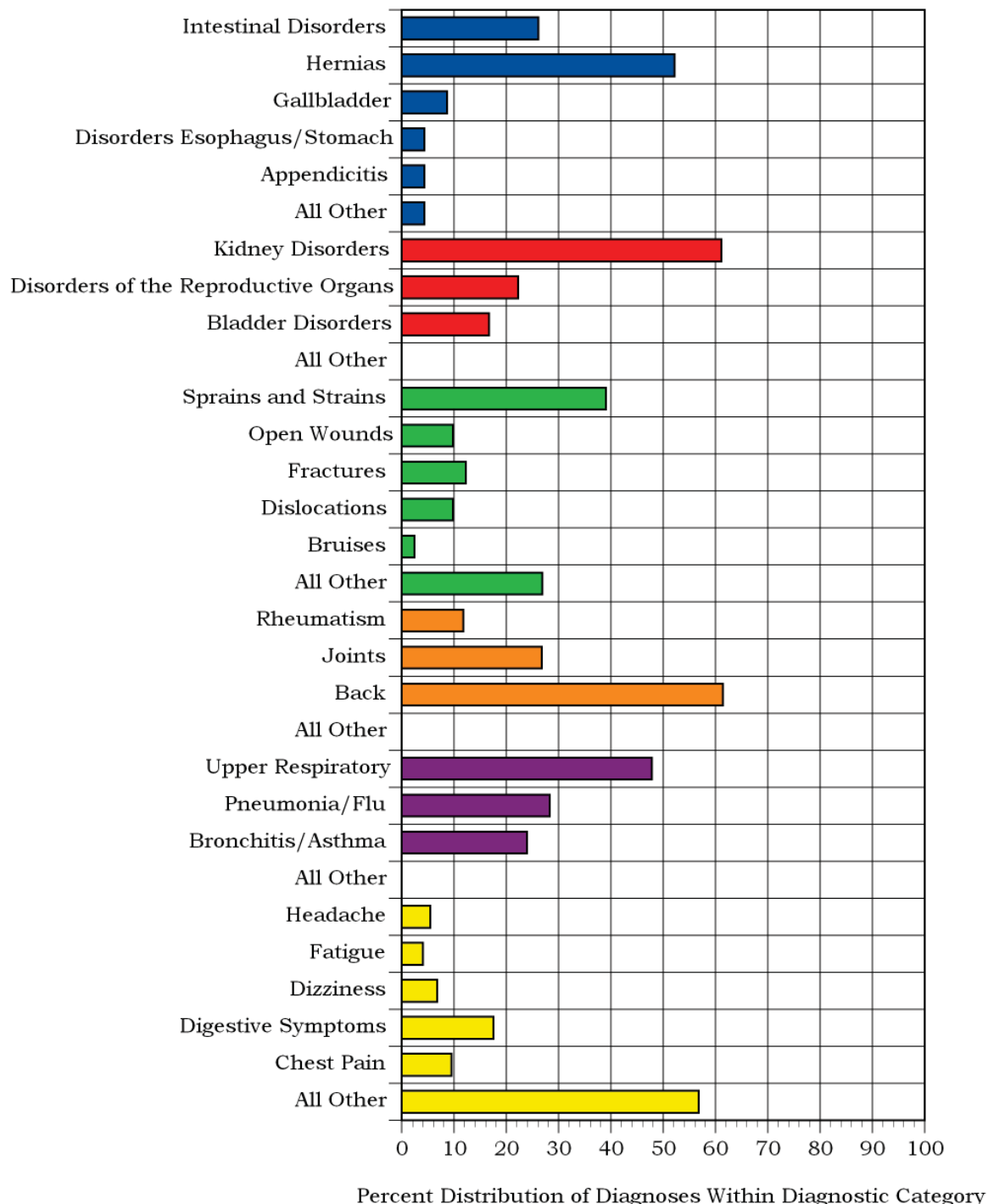


Figure 10. Number of Most Frequently Reported Diagnoses by Job Category and Gender

Job Category	Men		Women	
Professional	Heart/Circulatory	11	Nervous System	5
	Unspecified Symptoms	8	Respiratory	5
	Musculoskeletal	7	Cancer	4
			Musculoskeletal	4
			Unspecified Symptoms	4
Administrative Support	Musculoskeletal	3	Unspecified Symptoms	17
	Digestive	2	Digestive	15
	Injury	1	Respiratory	12
Technical Support	Musculoskeletal	29	Respiratory	6
	Respiratory	20	Unspecified Symptoms	4
	Unspecified Symptoms	20	Musculoskeletal	3
Service	Musculoskeletal	29	Respiratory	8
	Unspecified Symptoms	15	Musculoskeletal	6
	Respiratory	10	Unspecified Symptoms	5
Security and Fire	Musculoskeletal	14	Musculoskeletal	2
	Injury	5	Unspecified Symptoms	1
	Unspecified Symptoms	5		
Crafts	Musculoskeletal	45		0
	Unspecified Symptoms	26		
	Respiratory	10		
Line Operators		0		0

Rates of Disease Occurrence

Figure 11. Rates for All Illnesses and Injuries Combined by Job Category, Gender, and Age

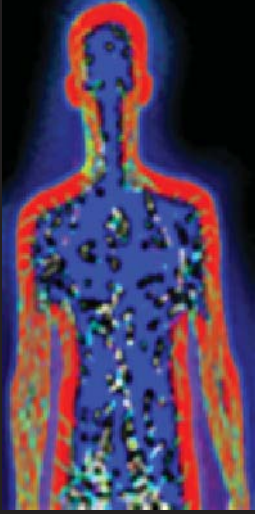
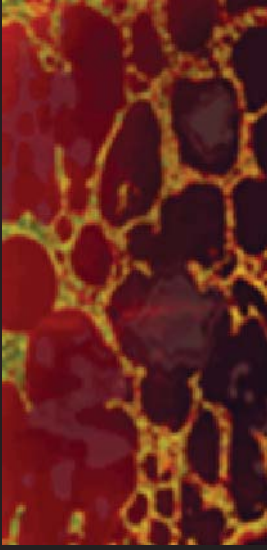
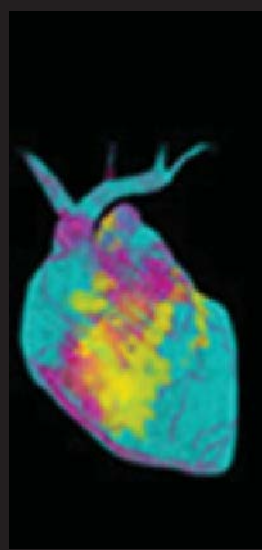
All Illnesses & Injuries Combined	Rate per 1,000			
	Job Category	Age	Men	Women
	Professional	<50	35	13
		50+	57	200
	Administrative Support	<50	80	229
		50+	121	270
	Technical Support	<50	378	615
		50+	313	200
	Service	<50	489	741
		50+	600	714
	Security and Fire	<50	447	750
		50+	792	0
	Crafts	<50	739	0
		50+	1,208	0
	Line Operators	<50	0	0
		50+	0	0

Figure 12. Rates for Selected Diagnostic Categories by Job Category, Gender, and Age

Cancer	Rate per 1,000			
	Job Category	Age	Men	Women
	Professional	<50	0	0
		50+	7	31
	Administrative Support	<50	0	0
		50+	0	14
	Technical Support	<50	11	38
		50+	11	0
	Service	<50	0	0
		50+	13	0
	Security and Fire	<50	0	0
		50+	0	0
	Crafts	<50	0	0
		50+	0	0
	Line Operators	<50	0	0
		50+	0	0

**Figure 12. Rates for Selected Diagnostic Categories
by Job Category, Gender, and Age (Continued)**

Heart/Circulatory	Rate per 1,000			
	Job Category	Age	Men	Women
	Professional	<50	4	0
		50+	14	0
	Administrative Support	<50	0	0
		50+	0	14
	Technical Support	<50	27	0
		50+	34	133
	Service	<50	11	37
		50+	88	0
	Security and Fire	<50	26	0
		50+	0	0
	Crafts	<50	29	0
		50+	38	0
	Line Operators	<50	0	0
		50+	0	0

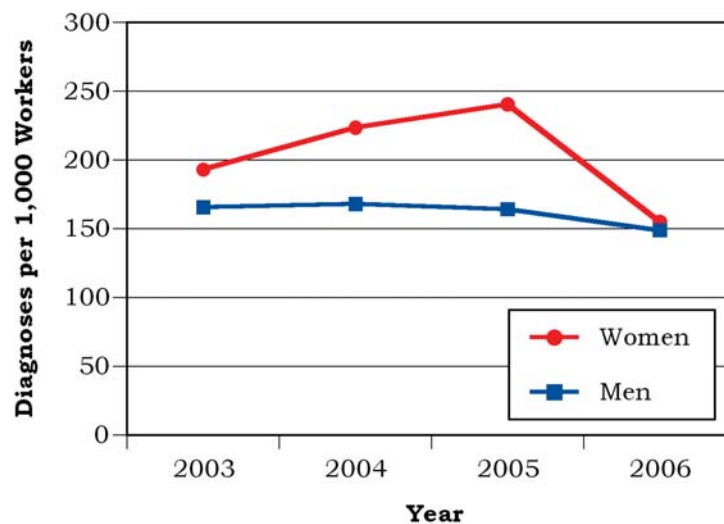
Respiratory	Rate per 1,000			
	Job Category	Age	Men	Women
	Professional	<50	6	0
		50+	0	38
	Administrative Support	<50	0	25
		50+	0	54
	Technical Support	<50	54	192
		50+	56	67
	Service	<50	68	259
		50+	50	71
	Security and Fire	<50	0	0
		50+	83	0
	Crafts	<50	87	0
		50+	75	0
	Line Operators	<50	0	0
		50+	0	0

Figure 12. Rates for Selected Diagnostic Categories by Job Category, Gender, and Age (Continued)

Injury	Rate per 1,000			
	Job Category	Age	Men	Women
	Professional	<50	1	4
		50+	9	15
	Administrative Support	<50	40	13
		50+	0	7
	Technical Support	<50	49	38
		50+	28	0
	Service	<50	91	0
		50+	0	71
	Security and Fire	<50	53	0
		50+	125	0
	Crafts	<50	14	0
		50+	113	0
	Line Operators	<50	0	0
		50+	0	0

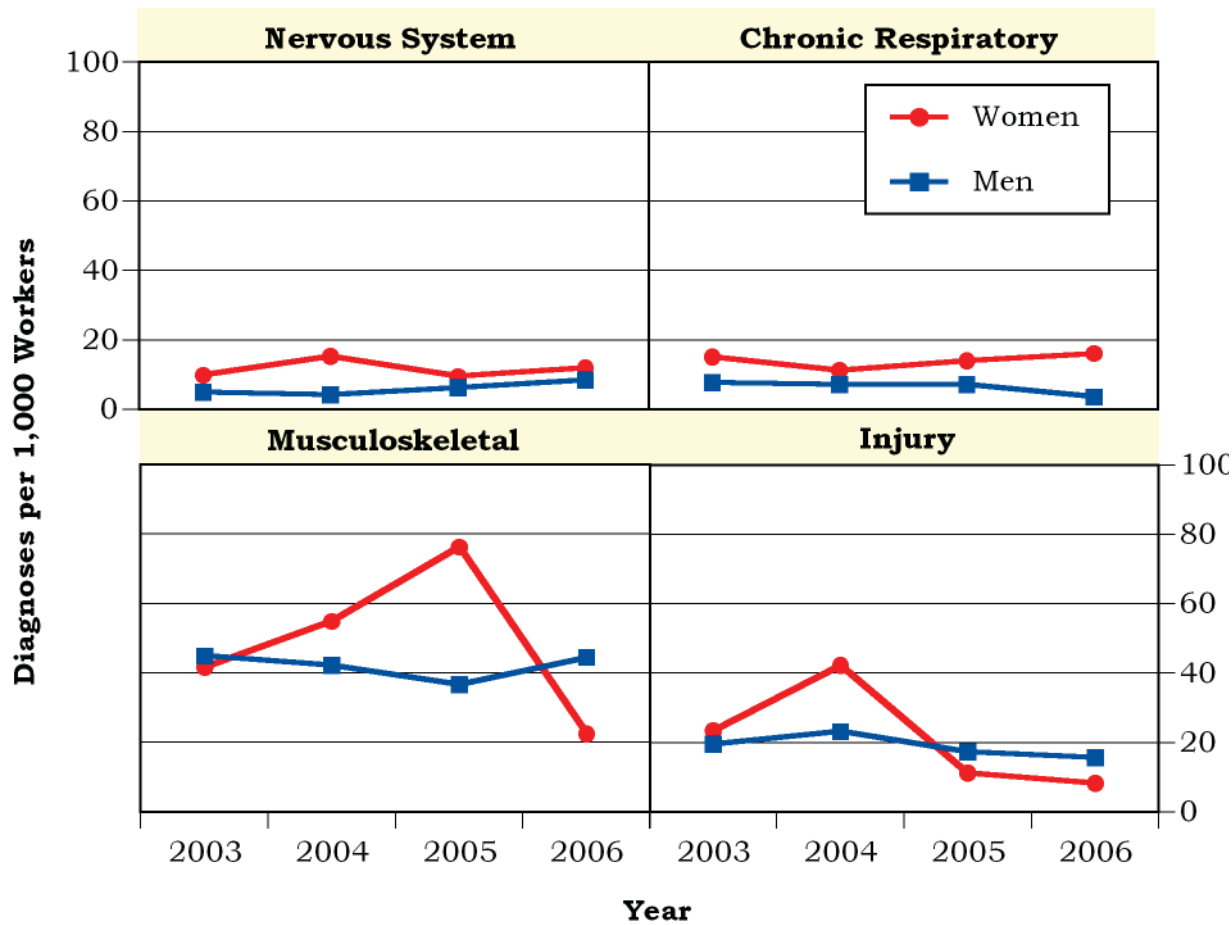
Time Trends

Figure 13. Age-Adjusted Rates for All Diagnoses Combined Among Women and Men from 2003 to 2006*



* Standardized to age distribution of 2000 U.S. population.

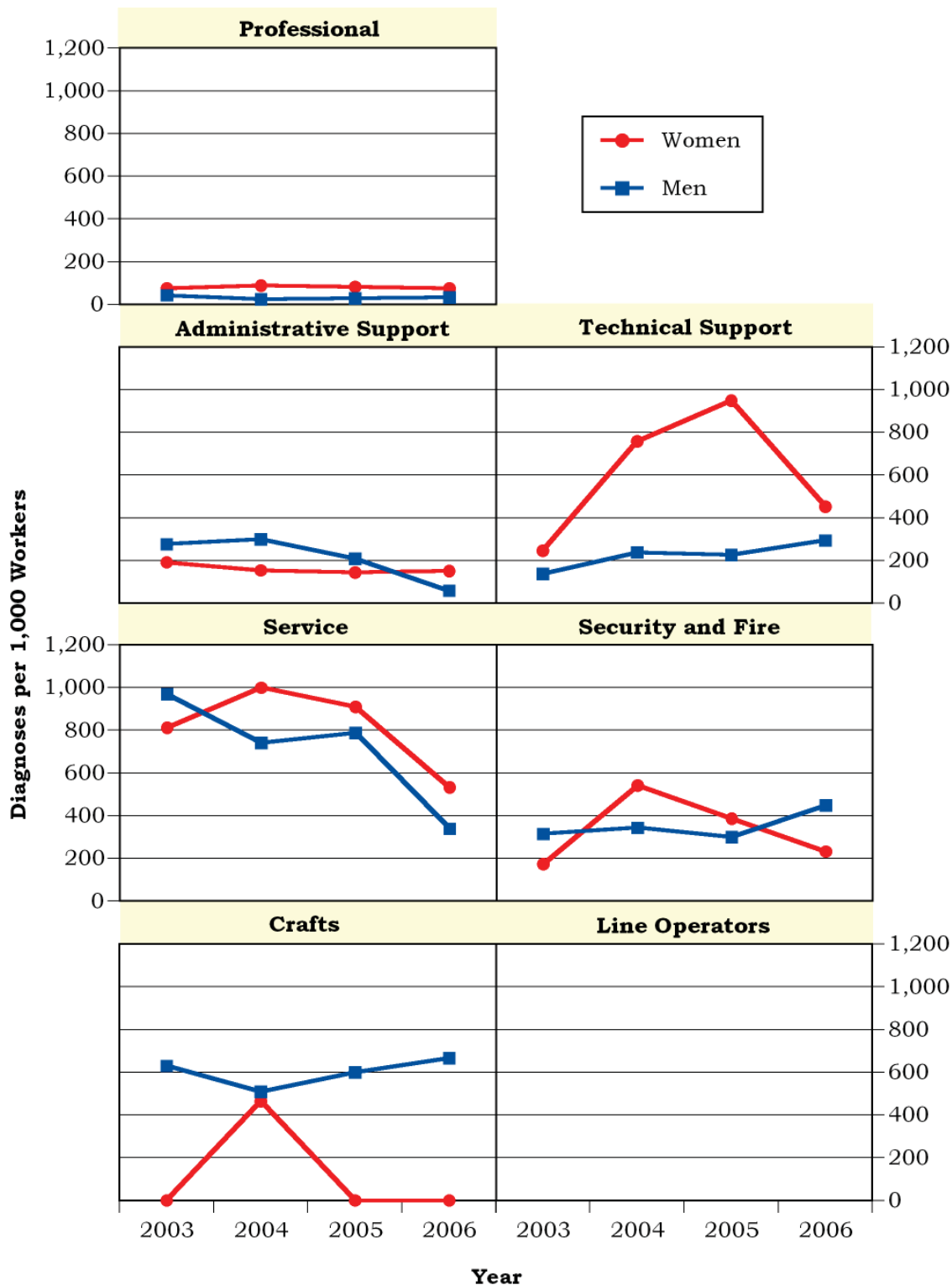
Figure 14. Age-Adjusted Rates for Selected Diagnostic Categories Among Women and Men from 2003 to 2006*



* Standardized to age distribution of 2000 U.S. population.

Figure 15. Age-Adjusted Rates for All Diagnoses Combined Among Women and Men by Job Category from 2003 to 2006*

(Rates are shown only for job and gender categories in which there was at least 1 worker.)



* Standardized to age distribution of 2000 U.S. population.

Sentinel Health Events for Occupations (SHEOs)

An occupational sentinel health event (SHEO) is a disease, disability, or death that is likely to be occupationally related. Although sentinel health events may indicate an occupational exposure, many may result from nonoccupational exposures. Sentinel health events are therefore assessed in two categories:

Definite Sentinel Health Events: Diseases that are unlikely to occur in the absence of an occupational exposure (e.g., asbestosis).

Possible Sentinel Health Events: Diseases that may be occupational but can also occur in the absence of an occupational exposure (e.g., lung cancer or carpal tunnel syndrome).

Figure 16. Characteristics of SHEOs by Gender

	Total Number of SHEO Diagnoses		Total Number of Days Absent	
	Men	Women	Men	Women
Definite	39	4	943	148
Possible	6	1	297	9
Total	45	5	1,240	157

Figure 17. SHEO Diagnoses by Gender

Diagnoses	Gender	
	Women	Men
Carpal Tunnel Syndrome	1	4
Pneumonconiosis (Berylliosis)	0	0
Musculoskeletal Conditions	2	22
Injuries	2	13
Other Conditions	0	6

Occupational Safety and Health Administration (OSHA)-Recordable Events

Figure 18. OSHA-Recordable Events by Gender and Age

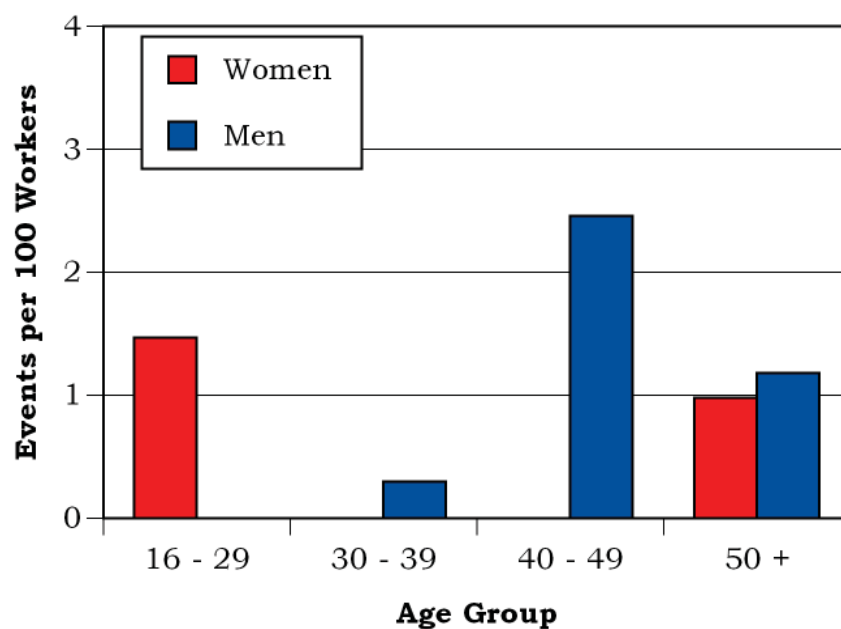
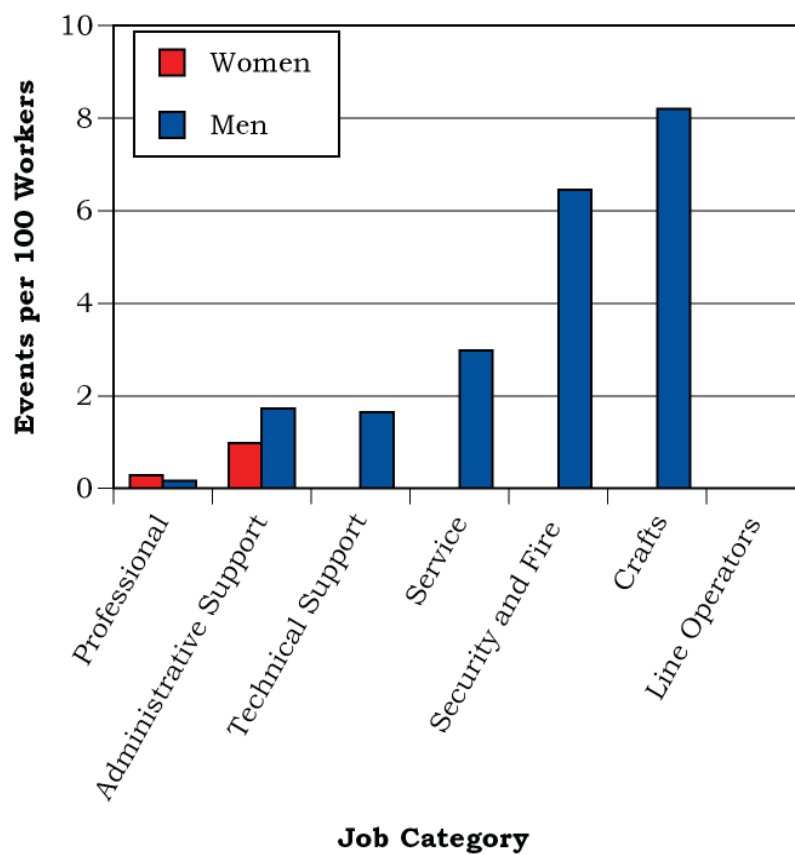


Figure 19. OSHA-Recordable Events by Job Category and Gender



Diagnostic and Accident Categories for OSHA-Recordable Events

Figure 20. OSHA-Recordable Diagnoses by Diagnostic Category and Gender

Diagnostic Category	Gender	
	Women	Men
Heart/Circulatory	0	1
Musculoskeletal	3	13
Nervous System	0	3
Skin	0	1
Unspecified Symptoms	0	1
Injury	4	30
Fractures – Neck, Trunk	0	1
Fractures – Upper Limb	0	1
Fractures – Lower Limb	1	0
Back Sprains & Strains	1	1
Other Sprains & Strains	1	6
Open Wounds – Head, Neck, Trunk	0	1
Open Wounds – Upper Limb	1	3
Open Wounds – Lower Limb	0	2
Superficial Injuries	0	3
Bruises	0	2
Foreign Bodies Entering Orifice	0	2
Burns	0	4
Unspecified Injuries	0	3
Complications of Surgical/Medical Care	0	1

Figure 21. OSHA-Recordable Accidents by Type and Gender

Accident Category	Gender	
	Women	Men
	Number of Accidents	Number of Accidents
Motor Vehicle Traffic	0	1
Motor Vehicle Non-Traffic	0	1
Surgical and Medical Procedures	0	1
Falls	1	3
Natural/Environmental Factors	0	2
Submersion/Suffocation/Foreign Bodies	0	2
Other Accidents	3	17
Struck by an Object	0	4
Caught Between Objects	0	2
Machinery	0	1
Cutting/Piercing Instrument/Object	1	1
Hot, Corrosive, or Caustic Material/Steam	0	1
Electric Current	0	1
Overexertion/Strenuous Movements	2	6
Repetitive Trauma	0	1
Total	4	27

Rates of OSHA-Recordable Events

Figure 22. OSHA-Recordable Rates by Age and Job Categories Among Women, All Diagnoses Combined

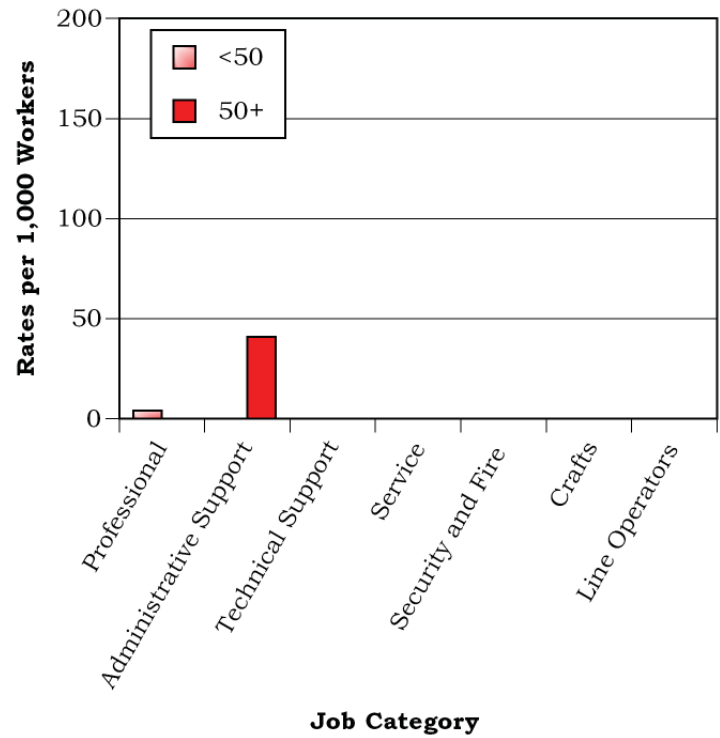
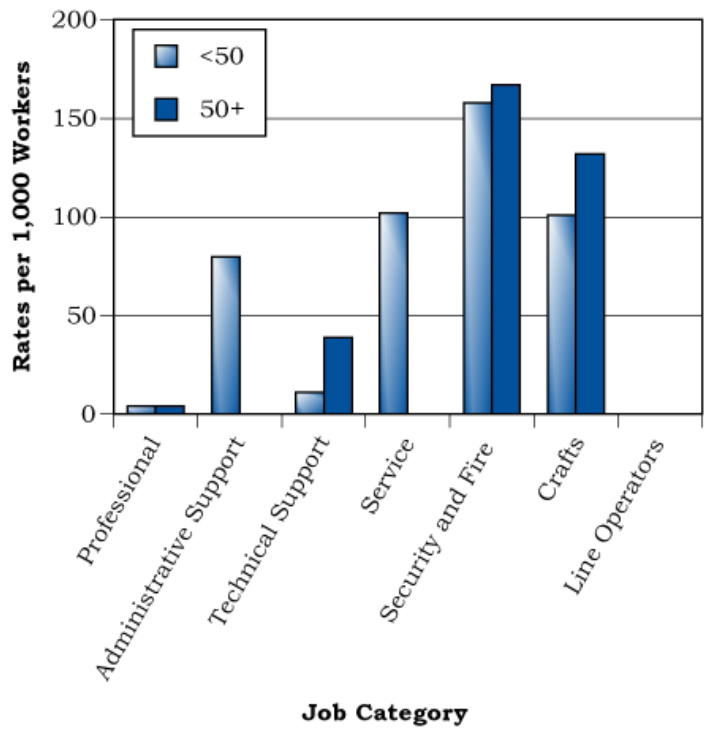


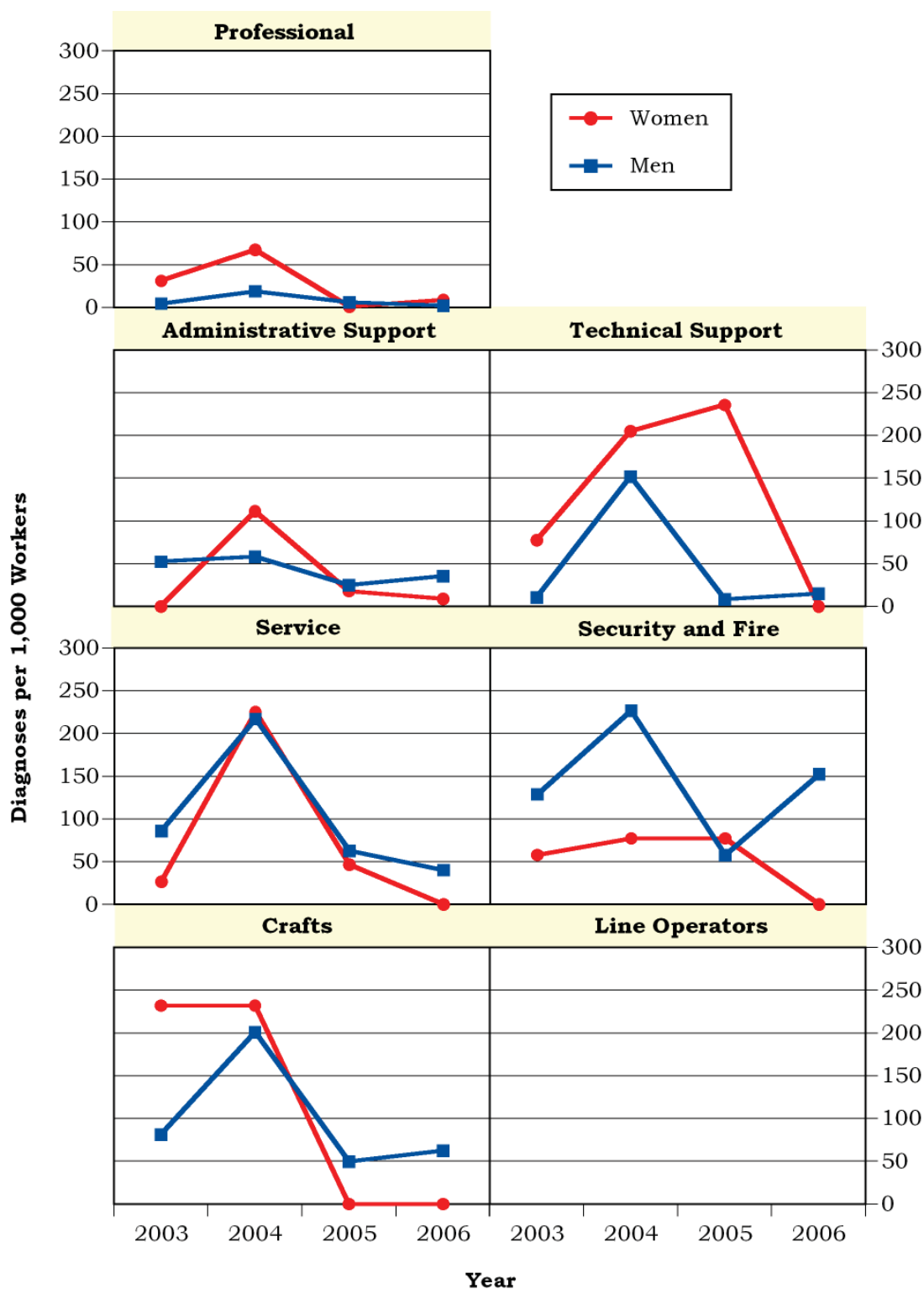
Figure 23. OSHA-Recordable Rates by Age and Job Categories Among Men, All Diagnoses Combined



Time Trends for OSHA-Recordable Events

Figure 24. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Combined Among Women and Men by Job Category from 2003 to 2006*

(Rates are shown only for job and gender categories in which there was at least 1 worker.)



* Standardized to age distribution of 2000 U.S. population.

Appendices

Brookhaven National Laboratory 2006

Absence Data

Appendix A. Work Force by Gender, Age, and Job Category

Job Category	Women					Men					TOTAL
	Age Group				TOTAL	Age Group				TOTAL	
	16 - 29	30 - 39	40 - 49	50 +		16 - 29	30 - 39	40 - 49	50 +		
Professional	38	65	123	130	356	78	266	346	561	1,251	1,607
Administrative Support	22	32	103	148	305	8	4	13	33	58	363
Technical Support	7	7	12	15	41	13	34	138	179	364	405
Service	1	12	14	14	41	3	20	65	80	168	209
Security and Fire	0	1	3	0	4	1	8	29	24	62	66
Crafts	0	1	1	0	2	1	8	60	53	122	124
TOTAL	68	118	256	307	749	104	340	651	930	2,025	2,774

Appendix B. Age Distribution of the Work Force by Gender

Year	Women				Men			
	Percent Distribution by Age Group				Percent Distribution by Age Group			
	16 - 29	30 - 39	40 - 49	50 +	16 - 29	30 - 39	40 - 49	50 +
1994	19.78	30.12	28.60	21.50	9.31	29.13	26.54	35.02
1995	16.30	31.02	29.13	23.55	7.77	28.63	28.31	35.29
1996	14.94	31.24	29.55	24.27	7.53	27.59	30.29	34.59
1997	13.73	28.49	31.56	26.22	6.34	27.74	29.60	36.32
1998	12.57	25.62	33.25	28.55	6.55	25.61	31.19	36.65
1999	10.41	24.16	33.97	31.46	5.46	23.81	32.72	38.02
2000	9.70	23.95	34.49	31.86	5.70	23.03	34.39	36.87
2001	9.61	22.63	36.01	31.75	5.93	20.97	35.70	37.40
2002	8.86	22.39	36.04	32.72	5.51	20.04	36.49	37.96
2003	9.14	20.90	36.42	33.54	4.97	18.22	37.06	39.74
2004	9.64	20.05	35.55	34.77	4.96	17.70	37.07	40.27
2005	7.82	18.33	34.77	39.08	5.01	16.64	34.53	43.82
2006	9.08	15.75	34.18	40.99	5.14	16.79	32.15	45.93

Brookhaven National Laboratory 2006

Absence Data

Appendix C. Total Number of Workers Who Reported at Least One Absence by Gender, Age, and Job Category*

Job Category	Women				Men				TOTAL
	Age Group			TOTAL	Age Group			TOTAL	
	30 - 39	40 - 49	50 +		30 - 39	40 - 49	50 +		
Professional	0	3	11	14	4	11	18	33	47
Administrative Support	2	15	20	37	0	1	3	4	41
Technical Support	2	3	2	7	8	25	32	65	72
Service	3	6	5	14	3	20	20	43	57
Security and Fire	0	2	0	2	1	7	8	16	18
Crafts	0	0	0	0	1	18	22	41	41
TOTAL	7	29	38	74	17	82	103	202	276

*Only those job categories and gender/age combinations with at least one absence appear in this table.

Appendix D. Total Number of Absences by Gender, Age, and Job Category*

Job Category	Women				Men				TOTAL
	Age Group			TOTAL	Age Group			TOTAL	
	30 - 39	40 - 49	50 +		30 - 39	40 - 49	50 +		
Professional	0	3	12	15	4	13	20	37	52
Administrative Support	2	24	25	51	0	1	3	4	55
Technical Support	3	7	2	12	10	31	38	79	91
Service	4	10	6	20	4	28	26	58	78
Security and Fire	0	2	0	2	3	11	15	29	31
Crafts	0	0	0	0	3	33	42	78	78
TOTAL	9	46	45	100	24	117	144	285	385

*Only those job categories and gender/age combinations with at least one absence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix E. Distribution of the Number of Calendar Days Missed per Absence by Gender and Age*

# of Calendar Days	Women				Men				TOTAL
	Age Group			TOTAL	Age Group			TOTAL	
	30 - 39	40 - 49	50 +		30 - 39	40 - 49	50 +		
< 15	5	36	28	69	17	83	100	200	269
15 - 28	2	4	10	16	2	16	24	42	58
29 - 42	0	1	1	2	0	6	9	15	17
43 - 56	1	3	0	4	1	2	3	6	10
57 - 91	1	1	5	7	2	7	4	13	20
92 - 182	0	1	0	1	1	3	4	8	9
183 +	0	0	1	1	1	0	0	1	2
TOTAL	9	46	45	100	24	117	144	285	385

*Only those gender/age combinations with at least one absence appear in this table.

Brookhaven National Laboratory 2006
Absence Data

Appendix F. Distribution of the Number of Calendar Days Missed per Absence by Gender and Job Category*

Women

# of Calendar Days	Job Category						TOTAL
	Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
< 15	9	33	8	17	2	0	69
15 - 28	3	9	2	2	0	0	16
29 - 42	1	1	0	0	0	0	2
43 - 56	1	2	1	0	0	0	4
57 - 91	1	4	1	1	0	0	7
92 - 182	0	1	0	0	0	0	1
183 +	0	1	0	0	0	0	1
TOTAL	15	51	12	20	2	0	100

Men

# of Calendar Days	Job Category						TOTAL
	Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
< 15	22	3	50	40	22	63	200
15 - 28	7	0	15	7	6	7	42
29 - 42	4	0	6	2	1	2	15
43 - 56	2	0	1	1	0	2	6
57 - 91	1	1	6	4	0	1	13
92 - 182	1	0	1	4	0	2	8
183 +	0	0	0	0	0	1	1
TOTAL	37	4	79	58	29	78	285

*Only those gender/job category combinations with at least one absence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix G. Number of Diagnoses in Each Diagnostic Category by Gender and Age*

		Women				Men				
		Age Group			TOTAL	Age Group			TOTAL	
		30 - 39	40 - 49	50 +		30 - 39	40 - 49	50 +		
Diagnostic Category	ICD-9-CM Code									
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	0	1	0	1	2	2	7	11	12
-Other Bacterial Dis	030-041	0	0	0	0	0	1	0	1	1
-Polio & Other Viral CNS Dis	045-049	0	0	0	0	1	0	0	1	1
-Viral Dis with Exanthem	050-057	0	0	0	0	1	0	1	2	2
-Other Viral Dis & Chlamydiae	070-079	0	1	0	1	0	0	4	4	5
-Mycoses	110-118	0	0	0	0	0	1	2	3	3
MALIGNANT NEOPLASMS	140-208, 230-234	0	1	6	7	0	2	7	9	16
-Digestive & Peritoneal	150-159	0	0	2	2	0	1	1	2	4
-Bone, Connective Tissue, Skin	170-173, 176	0	1	0	1	0	0	1	1	2
-Breast	174-175	0	0	3	3	0	0	0	0	3
-Genitourinary	179-189	0	0	0	0	0	0	3	3	3
-Other & Unspecified Sites	190, 193-199	0	0	1	1	0	1	2	3	4
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	1	1	0	2	0	1	1	2	4
ENDOCRINE/METABOLIC/IMMUNITY	240-279	1	0	0	1	0	5	3	8	9
-Other Endocrine Gland Dis	250-259	0	0	0	0	0	1	0	1	1
-Other Metabolic & Immunity Disorders	270-279	1	0	0	1	0	4	3	7	8
BLOOD & BLOOD-FORMING ORGANS	280-289	0	0	0	0	0	0	1	1	1
MENTAL DISORDERS	290-319	0	0	2	2	0	1	0	1	3
-Non-Psychotic Disorders	300-302, 306-316	0	0	2	2	0	1	0	1	3
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	0	4	9	13	3	5	16	24	37
-Other Disorders of Central NS	340-349	0	0	2	2	0	0	2	2	4
-Disorders of Peripheral NS	350-359	0	0	2	2	0	2	6	8	10
-Disorders of Eye	360-379	0	2	3	5	1	1	4	6	11
-Dis of Ear & Mastoid	380-389	0	2	2	4	2	1	4	7	11
CIRCULATORY SYSTEM	390-459	0	1	4	5	1	11	23	35	40
-Hypertensive Dis	401-405	0	1	2	3	0	1	7	8	11
-Ischemic Heart Dis	410-414	0	0	1	1	0	3	7	10	11
-Dis of Pulmonary Circulation	415-417	0	0	0	0	0	0	1	1	1
-Other Heart Dis	420-429	0	0	1	1	1	3	6	10	11
-Cerebrovascular Dis	430-438	0	0	0	0	0	0	1	1	1
-Dis of Arteries & Capillaries	440-448	0	0	0	0	0	2	1	3	3
-Dis of Veins, Lymphatics, Other	451-459	0	0	0	0	0	2	0	2	2
RESPIRATORY SYSTEM	460-519	2	14	15	31	5	21	20	46	77

(Continued)

*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix G. Number of Diagnoses in Each Diagnostic Category by Gender and Age*

		Women				Men				
		Age Group			TOTAL	Age Group			TOTAL	
		30 - 39	40 - 49	50 +		30 - 39	40 - 49	50 +		
Diagnostic Category	ICD-9-CM Code									
-Acute Respiratory Infections	460-466	0	4	4	8	2	7	3	12	20
-Other Dis Upper Respiratory Tract	470-478	1	2	2	5	1	5	4	10	15
-Pneumonia & Influenza	480-487	0	1	2	3	2	5	6	13	16
-Chronic Obstructive Dis	490-496	1	7	7	15	0	4	7	11	26
DIGESTIVE SYSTEM	520-579	3	10	9	22	3	10	10	23	45
-Oral Cavity, Saliva Glands, Jaw	520-529	1	1	0	2	0	0	1	1	3
-Esophagus, Stomach, Duodenum	530-537	0	0	2	2	0	1	0	1	3
-Appendicitis	540-543	1	2	1	4	0	0	1	1	5
-Hernia	550-553	0	4	0	4	2	7	3	12	16
-Enteritis, Colitis	555-558	0	1	4	5	0	0	2	2	7
-Other Intestinal Dis	560-569	0	1	2	3	0	1	3	4	7
-Other Digestive Dis	570-579	1	1	0	2	1	1	0	2	4
GENITOURINARY SYSTEM	580-629	2	5	0	7	1	6	11	18	25
-Other Urinary Dis	590-599	0	1	0	1	1	6	7	14	15
-Male Genital Organ Dis	600-608	0	0	0	0	0	0	4	4	4
-Other Female Disorders	617-629	2	4	0	6	0	0	0	0	6
SKIN & SUBCUTANEOUS TISSUE	680-709	0	2	1	3	1	3	4	8	11
-Infections	680-686	0	1	0	1	0	1	2	3	4
-Other Inflammatory Conditions	690-698	0	1	1	2	0	2	0	2	4
-Other	700-709	0	0	0	0	1	0	2	3	3
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	2	9	13	24	12	63	52	127	151
-Arthropathies	710-719	0	1	6	7	0	26	8	34	41
-Dorsopathies	720-724	2	4	5	11	12	30	36	78	89
-Rheumatism, Excluding Back	725-729	0	4	2	6	0	7	8	15	21
CONGENITAL ANOMALIES	740-759	0	0	0	0	0	2	0	2	2
SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS	780-799	0	15	16	31	1	24	49	74	105
-Symptoms	780-789	0	15	16	31	1	24	46	71	102
-Non-Specific Abnormal Findings	790-796	0	0	0	0	0	0	2	2	2
-Ill-Defined & Unknown Causes	797-799	0	0	0	0	0	0	1	1	1
INJURY & POISONING	800-999	0	4	4	8	6	16	19	41	49
-Fracture - Neck, Trunk	805-809	0	0	0	0	0	0	2	2	2
-Fracture - Upper Limb	810-819	0	1	1	2	0	1	0	1	3
-Fracture - Lower Limb	820-829	0	2	1	3	0	0	2	2	5
-Dislocation	830-839	0	0	0	0	1	1	2	4	4

(Continued)

*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix G. Number of Diagnoses in Each Diagnostic Category by Gender and Age*

		Women				Men				
		Age Group				Age Group				
		30 - 39	40 - 49	50 +		30 - 39	40 - 49	50 +		
Diagnostic Category	ICD-9-CM Code									
-Sprains & Strains - Back	846-847	0	0	0	0	1	1	2	4	4
-Sprains & Strains - Other	840-845, 848	0	1	1	2	3	6	3	12	14
-Internal Injury - Thorax, Abdomen, Pelvis	860-869	0	0	0	0	0	0	2	2	2
-Open Wound - Head, Neck, Trunk	870-879	0	0	0	0	0	0	2	2	2
-Open Wound - Upper Limb	880-887	0	0	0	0	0	0	1	1	1
-Open Wound - Lower Limb	890-897	0	0	0	0	1	0	0	1	1
-Late Effects of Accident	905-909	0	0	0	0	0	1	0	1	1
-Superficial Injury	910-919	0	0	0	0	0	2	0	2	2
-Contusion	920-924	0	0	0	0	0	1	0	1	1
-Burns	940-949	0	0	0	0	0	0	1	1	1
-Unspecified Effects - External Causes	990-995	0	0	0	0	0	1	1	2	2
-Complications of Surgical/Medical Care	996-999	0	0	1	1	0	2	1	3	4
HEALTH STATUS/HEALTH SERVICE CONTACT	V01-V82	1	2	5	8	0	14	4	18	26
-Personal & Family History	V10-V19	0	0	0	0	0	0	1	1	1
-Health Services Reproduction/Development	V20-V29	1	1	0	2	0	3	0	3	5
-Health Status	V40-V49	0	0	0	0	0	0	1	1	1
-Other Circumstances	V60-V69	0	1	5	6	0	11	2	13	19

	Women				Men				
	Age Group			TOTAL	Age Group				
	30 - 39	40 - 49	50 +		30 - 39	40 - 49	50 +		
Diagnostic Category									
Total	12	69	84	165	35	186	227	448	613

*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix H. Total Number of Calendar Days Absent in Each Diagnostic Category by Gender and Age*

		Women				Men				
		Age Group				Age Group				
		30 - 39	40 - 49	50 +		30 - 39	40 - 49	50 +		
Diagnostic Category	ICD-9-CM Code									
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	0	5	0	5	25	18	49	92	97
MALIGNANT NEOPLASMS	140-208, 230-234	0	1	492	493	0	17	64	81	574
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	54	28	0	82	0	11	3	14	96
ENDOCRINE/METABOLIC/IMMUNITY	240-279	8	0	0	8	0	65	29	94	102
BLOOD & BLOOD-FORMING ORGANS	280-289	0	0	0	0	0	0	7	7	7
MENTAL DISORDERS	290-319	0	0	4	4	0	26	0	26	30
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	0	41	90	131	23	114	461	598	729
CIRCULATORY SYSTEM	390-459	0	7	74	81	17	115	455	587	668
RESPIRATORY SYSTEM	460-519	7	68	143	218	26	158	260	444	662
DIGESTIVE SYSTEM	520-579	105	139	198	442	77	187	156	420	862
GENITOURINARY SYSTEM	580-629	17	113	0	130	3	41	123	167	297
SKIN & SUBCUTANEOUS TISSUE	680-709	0	14	4	18	6	13	22	41	59
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	46	178	223	447	519	815	584	1,918	2,365
CONGENITAL ANOMALIES	740-759	0	0	0	0	0	22	0	22	22
SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS	780-799	0	114	170	284	2	127	273	402	686
INJURY & POISONING	800-999	0	166	222	388	272	549	467	1,288	1,676

*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix I. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category*

		Women					
		Job Category					TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	
Diagnostic Category	ICD-9-CM Code						
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	0	1	0	0	0	1
-Other Viral Dis & Chlamydiae	070-079	0	1	0	0	0	1
MALIGNANT NEOPLASMS	140-208, 230-234	4	2	1	0	0	7
-Digestive & Peritoneal	150-159	2	0	0	0	0	2
-Bone, Connective Tissue, Skin	170-173, 176	0	0	1	0	0	1
-Breast	174-175	1	2	0	0	0	3
-Other & Unspecified Sites	190, 193-199	1	0	0	0	0	1
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	0	1	1	0	0	2
ENDOCRINE/METABOLIC/IMMUNITY	240-279	0	0	0	1	0	1
-Other Metabolic & Immunity Disorders	270-279	0	0	0	1	0	1
MENTAL DISORDERS	290-319	0	2	0	0	0	2
-Non-Psychotic Disorders	300-302, 306-316	0	2	0	0	0	2
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	5	7	0	1	0	13
-Other Disorders of Central NS	340-349	1	1	0	0	0	2
-Disorders of Peripheral NS	350-359	0	2	0	0	0	2
-Disorders of Eye	360-379	3	2	0	0	0	5
-Dis of Ear & Mastoid	380-389	1	2	0	1	0	4
CIRCULATORY SYSTEM	390-459	0	2	2	1	0	5
-Hypertensive Dis	401-405	0	2	0	1	0	3
-Ischemic Heart Dis	410-414	0	0	1	0	0	1
-Other Heart Dis	420-429	0	0	1	0	0	1
RESPIRATORY SYSTEM	460-519	5	12	6	8	0	31
-Acute Respiratory Infections	460-466	0	4	1	3	0	8
-Other Dis Upper Respiratory Tract	470-478	1	2	1	1	0	5
-Pneumonia & Influenza	480-487	1	1	1	0	0	3
-Chronic Obstructive Dis	490-496	3	5	3	4	0	15
DIGESTIVE SYSTEM	520-579	3	15	1	3	0	22
-Oral Cavity, Saliva Glands, Jaw	520-529	0	1	0	1	0	2
-Esophagus, Stomach, Duodenum	530-537	0	2	0	0	0	2
-Appendicitis	540-543	0	4	0	0	0	4
-Hernia	550-553	0	4	0	0	0	4
-Enteritis, Colitis	555-558	2	1	0	2	0	5
-Other Intestinal Dis	560-569	1	2	0	0	0	3

(Continued)

*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix I. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category*

		Women					
		Job Category					TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	
Diagnostic Category	ICD-9-CM Code						
-Other Digestive Dis	570-579	0	1	1	0	0	2
GENITOURINARY SYSTEM	580-629	1	4	0	2	0	7
-Other Urinary Dis	590-599	0	1	0	0	0	1
-Other Female Disorders	617-629	1	3	0	2	0	6
SKIN & SUBCUTANEOUS TISSUE	680-709	0	1	0	2	0	3
-Infections	680-686	0	0	0	1	0	1
-Other Inflammatory Conditions	690-698	0	1	0	1	0	2
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	4	9	3	6	2	24
-Arthropathies	710-719	1	1	0	5	0	7
-Dorsopathies	720-724	3	3	3	0	2	11
-Rheumatism, Excluding Back	725-729	0	5	0	1	0	6
SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS	780-799	4	17	4	5	1	31
-Symptoms	780-789	4	17	4	5	1	31
INJURY & POISONING	800-999	3	3	1	1	0	8
-Fracture - Upper Limb	810-819	1	1	0	0	0	2
-Fracture - Lower Limb	820-829	1	1	1	0	0	3
-Sprains & Strains - Other	840-845, 848	0	1	0	1	0	2
-Complications of Surgical/Medical Care	996-999	1	0	0	0	0	1
HEALTH STATUS/HEALTH SERVICE CONTACT	V01-V82	1	3	1	3	0	8
-Health Services Reproduction/Development	V20-V29	0	0	0	2	0	2
-Other Circumstances	V60-V69	1	3	1	1	0	6

	Women					
	Job Category					TOTAL
	Professional	Administrative Support	Technical Support	Service	Security and Fire	
Diagnostic Category						
Total	30	79	20	33	3	165

*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix I. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category*

		Men						
		Job Category						TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
Diagnostic Category	ICD-9-CM Code							
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	3	0	3	2	3	0	11
-Other Bacterial Dis	030-041	0	0	0	0	1	0	1
-Polio & Other Viral CNS Dis	045-049	1	0	0	0	0	0	1
-Viral Dis with Exanthem	050-057	1	0	0	1	0	0	2
-Other Viral Dis & Chlamydiae	070-079	1	0	3	0	0	0	4
-Mycoses	110-118	0	0	0	1	2	0	3
MALIGNANT NEOPLASMS	140-208, 230-234	4	0	4	1	0	0	9
-Digestive & Peritoneal	150-159	1	0	1	0	0	0	2
-Bone, Connective Tissue, Skin	170-173, 176	0	0	1	0	0	0	1
-Genitourinary	179-189	2	0	0	1	0	0	3
-Other & Unspecified Sites	190, 193-199	1	0	2	0	0	0	3
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	0	0	1	0	0	1	2
ENDOCRINE/METABOLIC/IMMUNITY	240-279	0	0	4	1	1	2	8
-Other Endocrine Gland Dis	250-259	0	0	1	0	0	0	1
-Other Metabolic & Immunity Disorders	270-279	0	0	3	1	1	2	7
BLOOD & BLOOD-FORMING ORGANS	280-289	0	0	1	0	0	0	1
MENTAL DISORDERS	290-319	1	0	0	0	0	0	1
-Non-Psychotic Disorders	300-302, 306-316	1	0	0	0	0	0	1
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	2	0	6	8	0	8	24
-Other Disorders of Central NS	340-349	0	0	1	1	0	0	2
-Disorders of Peripheral NS	350-359	0	0	1	2	0	5	8
-Disorders of Eye	360-379	1	0	1	2	0	2	6
-Dis of Ear & Mastoid	380-389	0	0	3	3	0	1	7
CIRCULATORY SYSTEM	390-459	11	0	11	8	1	4	35
-Hypertensive Dis	401-405	3	0	1	3	0	1	8
-Ischemic Heart Dis	410-414	4	0	3	3	0	0	10
-Dis of Pulmonary Circulation	415-417	0	0	1	0	0	0	1
-Other Heart Dis	420-429	4	0	2	1	0	3	10
-Cerebrovascular Dis	430-438	0	0	1	0	0	0	1
-Dis of Arteries & Capillaries	440-448	0	0	2	0	1	0	3

(Continued)

*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix I. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category*

		Men						
		Job Category						TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
Diagnostic Category	ICD-9-CM Code							
-Dis of Veins, Lymphatics, Other	451-459	0	0	1	1	0	0	2
RESPIRATORY SYSTEM	460-519	4	0	20	10	2	10	46
-Acute Respiratory Infections	460-466	0	0	5	4	0	3	12
-Other Dis Upper Respiratory Tract	470-478	1	0	5	2	2	0	10
-Pneumonia & Influenza	480-487	2	0	5	2	0	4	13
-Chronic Obstructive Dis	490-496	1	0	5	2	0	3	11
DIGESTIVE SYSTEM	520-579	5	2	8	1	3	4	23
-Oral Cavity, Saliva Glands, Jaw	520-529	0	1	0	0	0	0	1
-Esophagus, Stomach, Duodenum	530-537	0	0	1	0	0	0	1
-Appendicitis	540-543	1	0	0	0	0	0	1
-Hernia	550-553	2	0	5	0	2	3	12
-Enteritis, Colitis	555-558	0	0	0	0	1	1	2
-Other Intestinal Dis	560-569	2	1	0	1	0	0	4
-Other Digestive Dis	570-579	0	0	2	0	0	0	2
GENITOURINARY SYSTEM	580-629	4	0	5	6	2	1	18
-Other Urinary Dis	590-599	4	0	4	4	1	1	14
-Male Genital Organ Dis	600-608	0	0	1	2	1	0	4
SKIN & SUBCUTANEOUS TISSUE	680-709	1	0	0	1	0	6	8
-Infections	680-686	1	0	0	0	0	2	3
-Other Inflammatory Conditions	690-698	0	0	0	0	0	2	2
-Other	700-709	0	0	0	1	0	2	3
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	7	3	29	29	14	45	127
-Arthropathies	710-719	5	1	9	9	4	6	34
-Dorsopathies	720-724	1	2	18	15	9	33	78
-Rheumatism, Excluding Back	725-729	1	0	2	5	1	6	15
CONGENITAL ANOMALIES	740-759	0	0	0	1	0	1	2
SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS	780-799	8	0	20	15	5	26	74
-Symptoms	780-789	8	0	20	15	5	23	71
-Non-Specific Abnormal Findings	790-796	0	0	0	0	0	2	2
-Ill-Defined & Unknown Causes	797-799	0	0	0	0	0	1	1
INJURY & POISONING	800-999	6	1	14	8	5	7	41
-Fracture - Neck, Trunk	805-809	2	0	0	0	0	0	2
-Fracture - Upper Limb	810-819	0	0	0	1	0	0	1

(Continued)

*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix I. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category*

		Men						
		Job Category						TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
Diagnostic Category	ICD-9-CM Code							
-Fracture - Lower Limb	820-829	0	0	2	0	0	0	2
-Dislocation	830-839	0	0	1	1	0	2	4
-Sprains & Strains - Back	846-847	1	0	2	0	0	1	4
-Sprains & Strains - Other	840-845, 848	0	1	3	4	3	1	12
-Internal Injury - Thorax, Abdomen, Pelvis	860-869	2	0	0	0	0	0	2
-Open Wound - Head, Neck, Trunk	870-879	0	0	1	0	1	0	2
-Open Wound - Upper Limb	880-887	0	0	0	0	0	1	1
-Open Wound - Lower Limb	890-897	0	0	0	1	0	0	1
-Late Effects of Accident	905-909	0	0	1	0	0	0	1
-Superficial Injury	910-919	0	0	2	0	0	0	2
-Contusion	920-924	0	0	0	0	1	0	1
-Burns	940-949	0	0	0	0	0	1	1
-Unspecified Effects - External Causes	990-995	1	0	0	0	0	1	2
-Complications of Surgical/Medical Care	996-999	0	0	2	1	0	0	3
HEALTH STATUS/HEALTH SERVICE CONTACT	V01-V82	1	0	3	6	1	7	18
-Personal & Family History	V10-V19	0	0	0	0	0	1	1
-Health Services Reproduction/Development	V20-V29	0	0	0	2	1	0	3
-Health Status	V40-V49	0	0	0	0	0	1	1
-Other Circumstances	V60-V69	1	0	3	4	0	5	13

	Men						
	Job Category						TOTAL
	Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
Diagnostic Category							
Total	57	6	129	97	37	122	448

*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix J. Total Number of Calendar Days Absent in Each Diagnostic Category by Gender and Job Category*

		Women					
		Job Category					TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	
Diagnostic Category	ICD-9-CM Code						
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	0	5	0	0	0	5
MALIGNANT NEOPLASMS	140-208, 230-234	115	377	1	0	0	493
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	0	28	54	0	0	82
ENDOCRINE/METABOLIC/IMMUNITY	240-279	0	0	0	8	0	8
MENTAL DISORDERS	290-319	0	4	0	0	0	4
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	44	80	0	7	0	131
CIRCULATORY SYSTEM	390-459	0	12	62	7	0	81
RESPIRATORY SYSTEM	460-519	56	97	26	39	0	218
DIGESTIVE SYSTEM	520-579	45	356	21	20	0	442
GENITOURINARY SYSTEM	580-629	2	111	0	17	0	130
SKIN & SUBCUTANEOUS TISSUE	680-709	0	4	0	14	0	18
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	74	185	47	133	8	447
SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS	780-799	50	217	3	13	1	284
INJURY & POISONING	800-999	150	153	2	83	0	388

		Men					
		Job Category					TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	
Diagnostic Category	ICD-9-CM Code						
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	29	0	15	27	21	92
MALIGNANT NEOPLASMS	140-208, 230-234	40	0	32	9	0	81
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	0	0	11	0	0	14
ENDOCRINE/METABOLIC/IMMUNITY	240-279	0	0	13	57	13	94
BLOOD & BLOOD-FORMING ORGANS	280-289	0	0	7	0	0	7
MENTAL DISORDERS	290-319	26	0	0	0	0	26
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	23	0	149	164	0	598
CIRCULATORY SYSTEM	390-459	186	0	235	132	8	587

(Continued)

*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix J. Total Number of Calendar Days Absent in Each Diagnostic Category by Gender and Job Category*

		Men						
		Job Category						TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
Diagnostic Category	ICD-9-CM Code							
RESPIRATORY SYSTEM	460-519	42	0	168	101	61	72	444
DIGESTIVE SYSTEM	520-579	79	13	161	16	33	118	420
GENITOURINARY SYSTEM	580-629	23	0	55	79	4	6	167
SKIN & SUBCUTANEOUS TISSUE	680-709	11	0	0	6	0	24	41
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	207	71	337	278	85	940	1,918
CONGENITAL ANOMALIES	740-759	0	0	0	10	0	12	22
SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS	780-799	44	0	139	64	39	116	402
INJURY & POISONING	800-999	145	65	404	442	56	176	1,288

*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

Absence Data

Appendix K. Age-Adjusted Illness and Injury Rates by Diagnostic Category

Part 1. Men

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections/Parasites	001-139	11	4.4	2.4	8.3
Cancer	140-208, 230-234	9	3.0	1.6	5.9
-Lip, Oral Cavity, Pharynx	140-149	0	0	0	0
-Digestive Organs	150-159	2	0.7	0.2	3.0
-Respiratory System	160-165	0	0	0	0
-Bone, Connective Tissue, Skin	170-173, 176	1	0.3	0.0	1.8
-Breast	174-175	0	0	0	0
-Genitourinary	179-189	3	1.0	0.3	3.3
-Other & Unspecified Sites	190, 193-199	3	1.0	0.3	3.1
-Nervous System	191-192	0	0	0	0
-Leukemia, Lymphoma	200-208	0	0	0	0
-Carcinoma in situ	230-234	0	0	0	0
Benign Growths	210-229, 235-239	2	0.6	0.1	2.5
Endocrine/Metabolic	240-279	8	2.7	1.3	5.4
-Other Endocrine Glands	250-259	1	0.4	0.0	2.5
Blood	280-289	1	0.3	0.0	1.8
Mental	290-319	1	0.4	0.0	2.5
-Non-Psychotic Conditions	300-302, 306-316	1	0.4	0.0	2.5
Nervous System	320-389	24	8.4	5.5	13.0
-Disorders of Peripheral NS	350-359	8	2.5	1.2	5.1
Heart/Circulatory	390-459	35	11.5	8.2	16.2
-Hypertensive Disease	401-405	8	2.4	1.2	4.9
-Ischemic Heart Disease	410-414	10	3.2	1.7	6.1
Respiratory	460-519	46	16.7	12.3	22.6
-Chronic Obstructive Diseases	490-496	11	3.6	2.0	6.6
-Lung Disease from External Agents	500-508	0	0	0	0
Digestive	520-579	23	8.2	5.3	12.7
-Hernias	550-553	12	4.6	2.5	8.5
Genitourinary	580-629	18	5.7	3.5	9.3
-Nephritis, Nephrosis	580-589	0	0	0	0
Miscarriage**	630-677	0	0	0	0
Skin	680-709	8	2.9	1.4	6.1
Musculoskeletal	710-739	127	44.5	37.0	53.5
-Arthropathies	710-719	34	11.5	8.2	16.2
-Dorsopathies	720-724	78	28.4	22.3	36.1
-Rheumatism, Excluding Back	725-729	15	4.6	2.8	7.7
Congenital Anomalies	740-759	2	0.7	0.2	2.8

*Standardized to age distribution of 2000 U.S. population.

**Only women aged 18-45 were included in the calculation of the rates for these diagnostic categories.

Brookhaven National Laboratory 2006

Absence Data

Appendix K. Age-Adjusted Illness and Injury Rates by Diagnostic Category

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Unspecified Symptoms	780-799	74	23.3	18.5	29.5
Injury	800-999	41	15.8	11.4	21.8
-Fractures - Skull, Neck, Trunk	800-809	2	0.8	0.2	3.1
-Fractures - Upper Limb	810-819	1	0.4	0.0	2.5
-Fractures - Lower Limb	820-829	2	0.6	0.2	2.6
-Dislocations	830-839	4	1.6	0.5	4.6
-Back Sprains & Strains	846-847	4	1.6	0.5	4.6
-Other Sprains & Strains	840-845, 848	12	5.1	2.8	9.4
-Open Wounds	870-887, 890-897	4	1.5	0.5	4.4
-Burns	940-949	1	0.4	0.1	2.8
-Adverse Reactions to Nonmedical Substances	980-989	0	0	0	0
-Adverse Reactions to External Causes	990-995	2	0.7	0.2	3.0
Health Status/Health Service Contact	V01-V82	0	0	0	0
Total		430	149.0	134.9	164.7

Part 2. Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections/Parasites	001-139	1	0.9	0.1	6.4
Cancer	140-208, 230-234	7	8.0	3.6	17.5
-Lip, Oral Cavity, Pharynx	140-149	0	0	0	0
-Digestive Organs	150-159	2	3.2	0.8	12.9
-Respiratory System	160-165	0	0	0	0
-Bone, Connective Tissue, Skin	170-173, 176	1	0.9	0.1	6.4
-Breast	174-175	3	2.2	0.7	6.8
-Genitourinary	179-189	0	0	0	0
-Other & Unspecified Sites	190, 193-199	1	1.6	0.2	11.5
-Nervous System	191-192	0	0	0	0
-Leukemia, Lymphoma	200-208	0	0	0	0
-Carcinoma in situ	230-234	0	0	0	0
Benign Growths	210-229, 235-239	2	2.9	0.7	12.6
Endocrine/Metabolic	240-279	1	2.0	0.3	14.0
-Other Endocrine Glands	250-259	0	0	0	0
Blood	280-289	0	0	0	0
Mental	290-319	2	1.5	0.4	5.9
-Non-Psychotic Conditions	300-302, 306-316	2	1.5	0.4	5.9
Nervous System	320-389	13	12.0	6.8	21.3

*Standardized to age distribution of 2000 U.S. population.

**Only women aged 18-45 were included in the calculation of the rates for these diagnostic categories.

Brookhaven National Laboratory 2006

Absence Data

Appendix K. Age-Adjusted Illness and Injury Rates by Diagnostic Category

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
-Disorders of Peripheral NS	350-359	2	1.5	0.4	5.9
Heart/Circulatory	390-459	5	5.6	2.2	14.3
-Hypertensive Disease	401-405	3	2.4	0.8	7.4
-Ischemic Heart Disease	410-414	1	1.6	0.2	11.5
Respiratory	460-519	31	31.2	21.4	45.4
-Chronic Obstructive Diseases	490-496	15	16.1	9.4	27.6
-Lung Disease from External Agents	500-508	0	0	0	0
Digestive	520-579	22	22.5	14.3	35.3
-Hernias	550-553	4	3.6	1.4	9.7
Genitourinary	580-629	7	8.5	3.8	18.8
-Nephritis, Nephrosis	580-589	0	0	0	0
Miscarriage**	630-677	0	0	0	0
Skin	680-709	3	2.5	0.8	7.9
Musculoskeletal	710-739	24	22.5	14.7	34.6
-Arthropathies	710-719	7	6.2	2.8	13.5
-Dorsopathies	720-724	11	11.2	5.9	21.5
-Rheumatism, Excluding Back	725-729	6	5.1	2.3	11.4
Congenital Anomalies	740-759	0	0	0	0
Unspecified Symptoms	780-799	31	27.1	18.9	38.9
Injury	800-999	8	8.3	4.0	17.3
-Fractures - Skull, Neck, Trunk	800-809	0	0	0	0
-Fractures - Upper Limb	810-819	2	2.5	0.6	10.7
-Fractures - Lower Limb	820-829	3	2.5	0.8	7.9
-Dislocations	830-839	0	0	0	0
-Back Sprains & Strains	846-847	0	0	0	0
-Other Sprains & Strains	840-845, 848	2	1.6	0.4	6.6
-Open Wounds	870-887, 890-897	0	0	0	0
-Burns	940-949	0	0	0	0
-Adverse Reactions to Nonmedical Substances	980-989	0	0	0	0
-Adverse Reactions to External Causes	990-995	0	0	0	0
Health Status/Health Service Contact	V01-V82	0	0	0	0
Total		157	155.3	131.4	183.6

*Standardized to age distribution of 2000 U.S. population.

**Only women aged 18-45 were included in the calculation of the rates for these diagnostic categories.

Brookhaven National Laboratory 2006

Absence Data

Appendix K. Age-Adjusted Illness and Injury Rates by Diagnostic Category

Part 3. Men and Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections/Parasites	001-139	12	3.7	2.0	6.7
Cancer	140-208, 230-234	16	4.2	2.5	6.9
-Lip, Oral Cavity, Pharynx	140-149	0	0	0	0
-Digestive Organs	150-159	4	1.2	0.5	3.3
-Respiratory System	160-165	0	0	0	0
-Bone, Connective Tissue, Skin	170-173, 176	2	0.4	0.1	1.8
-Breast	174-175	3	0.6	0.2	1.8
-Genitourinary	179-189	3	0.8	0.3	2.7
-Other & Unspecified Sites	190, 193-199	4	1.1	0.4	3.0
-Nervous System	191-192	0	0	0	0
-Leukemia, Lymphoma	200-208	0	0	0	0
-Carcinoma in situ	230-234	0	0	0	0
Benign Growths	210-229, 235-239	4	1.2	0.4	3.5
Endocrine/Metabolic	240-279	9	2.5	1.3	5.0
-Other Endocrine Glands	250-259	1	0.3	0.0	1.8
Blood	280-289	1	0.2	0.0	1.3
Mental	290-319	3	0.6	0.2	2.0
-Non-Psychotic Conditions	300-302, 306-316	3	0.6	0.2	2.0
Nervous System	320-389	37	9.4	6.7	13.2
-Disorders of Peripheral NS	350-359	10	2.3	1.2	4.3
Heart/Circulatory	390-459	40	10.0	7.3	13.8
-Hypertensive Disease	401-405	11	2.5	1.4	4.6
-Ischemic Heart Disease	410-414	11	2.8	1.5	5.2
Respiratory	460-519	77	20.4	16.1	25.8
-Chronic Obstructive Diseases	490-496	26	6.8	4.6	10.1
-Lung Disease from External Agents	500-508	0	0	0	0
Digestive	520-579	45	11.9	8.7	16.3
-Hernias	550-553	16	4.4	2.6	7.4
Genitourinary	580-629	25	6.6	4.3	10.0
-Nephritis, Nephrosis	580-589	0	0	0	0
Miscarriage**	630-677	0	0	0	0
Skin	680-709	11	2.9	1.5	5.4
Musculoskeletal	710-739	151	38.7	32.6	45.8
-Arthropathies	710-719	41	9.9	7.3	13.6
-Dorsopathies	720-724	89	23.9	19.1	29.9
-Rheumatism, Excluding Back	725-729	21	4.8	3.1	7.5
Congenital Anomalies	740-759	2	0.5	0.1	2.0

*Standardized to age distribution of 2000 U.S. population.

**Only women aged 18-45 were included in the calculation of the rates for these diagnostic categories.

Brookhaven National Laboratory 2006

Absence Data

Appendix K. Age-Adjusted Illness and Injury Rates by Diagnostic Category

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Unspecified Symptoms	780-799	105	24.8	20.4	30.2
Injury	800-999	49	13.9	10.3	18.7
-Fractures - Skull, Neck, Trunk	800-809	2	0.6	0.2	2.6
-Fractures - Upper Limb	810-819	3	0.8	0.3	2.6
-Fractures - Lower Limb	820-829	5	1.2	0.5	3.0
-Dislocations	830-839	4	1.1	0.4	3.4
-Back Sprains & Strains	846-847	4	1.1	0.4	3.4
-Other Sprains & Strains	840-845, 848	14	4.2	2.4	7.4
-Open Wounds	870-887, 890-897	4	1.1	0.4	3.3
-Burns	940-949	1	0.3	0.0	2.3
-Adverse Reactions to Nonmedical Substances	980-989	0	0	0	0
-Adverse Reactions to External Causes	990-995	2	0.6	0.1	2.3
Health Status/Health Service Contact	V01-V82	0	0	0	0
Total		587	151.3	138.9	164.8

*Standardized to age distribution of 2000 U.S. population.

**Only women aged 18-45 were included in the calculation of the rates for these diagnostic categories.

Brookhaven National Laboratory 2006
OSHA Data

Appendix L. Number of Workers with at Least One OSHA Event by Gender, Age, and Job Category*

Job Category	Women			Men				TOTAL
	Age Group		TOTAL	Age Group			TOTAL	
	16 - 29	50 +		30 - 39	40 - 49	50 +		
Professional	1	0	1	0	1	1	2	3
Administrative Support	0	3	3	0	1	0	1	4
Technical Support	0	0	0	0	1	5	6	6
Service	0	0	0	1	4	0	5	5
Security and Fire	0	0	0	0	3	1	4	4
Crafts	0	0	0	0	6	4	10	10
TOTAL	1	3	4	1	16	11	28	32

*Only those job categories and gender/age combinations with at least one OSHA event appear in this table.

Appendix M. Total Number of Workdays Lost or with Restricted Activity from OSHA Events by Gender and Age

Age Group	Women			Men			TOTAL		
	Number of Events	Days Restricted	Days Lost	Number of Events	Days Restricted	Days Lost	Number of Events	Days Restricted	Days Lost
16 - 29	1	0	0	0	0	0	1	0	0
30 - 39	0	0	0	1	3	0	1	3	0
40 - 49	0	0	0	16	140	200	16	140	200
50 +	3	25	55	11	188	171	14	213	226
TOTAL	4	25	55	28	331	371	32	356	426

Appendix N. Total Number of Workdays Lost or with Restricted Activity from OSHA Events by Gender and Job Category*

Job Category	Women			Men			Total		
	Number of Events	Days Restricted	Days Lost	Number of Events	Days Restricted	Days Lost	Number of Events	Days Restricted	Days Lost
Professional	1	0	0	2	0	0	3	0	0
Administrative Support	3	25	55	1	26	24	4	51	79
Technical Support	0	0	0	6	35	40	6	35	40
Service	0	0	0	5	32	134	5	32	134
Security and Fire	0	0	0	4	197	54	4	197	54
Crafts	0	0	0	10	41	119	10	41	119
Total	4	25	55	28	331	371	32	356	426

*Only those job categories with at least one OSHA event appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix O. Number of Diagnoses in Each Diagnostic Category by Gender and Age*

		Women			Men				
		Age Group		TOTAL	Age Group			TOTAL	
		16 - 29	50 +		30 - 39	40 - 49	50 +		
Diagnostic Category	ICD-9-CM code								
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	0	0	0	0	0	3	3	3
-Disorders of Peripheral NS	350-359	0	0	0	0	0	1	1	1
-Disorders of Eye	360-379	0	0	0	0	0	1	1	1
-Dis of Ear & Mastoid	380-389	0	0	0	0	0	1	1	1
CIRCULATORY SYSTEM	390-459	0	0	0	0	1	0	1	1
-Dis of Veins, Lymphatics, Other	451-459	0	0	0	0	1	0	1	1
SKIN & SUBCUTANEOUS TISSUE	680-709	0	0	0	0	1	0	1	1
-Other Inflammatory Conditions	690-698	0	0	0	0	1	0	1	1
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	0	3	3	0	9	4	13	16
-Arthropathies	710-719	0	1	1	0	7	2	9	10
-Dorsopathies	720-724	0	1	1	0	2	0	2	3
-Rheumatism, Excluding Back	725-729	0	1	1	0	0	2	2	3
SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS	780-799	0	0	0	0	0	1	1	1
-Symptoms	780-789	0	0	0	0	0	1	1	1
INJURY & POISONING	800-999	1	3	4	1	17	12	30	34
-Fracture - Neck, Trunk	805-809	0	0	0	0	0	1	1	1
-Fracture - Upper Limb	810-819	0	0	0	0	1	0	1	1
-Fracture - Lower Limb	820-829	0	1	1	0	0	0	0	1
-Sprains & Strains - Back	846-847	0	1	1	0	1	0	1	2
-Sprains & Strains - Other	840-845, 848	0	1	1	0	4	2	6	7
-Open Wound - Head, Neck, Trunk	870-879	0	0	0	0	0	1	1	1
-Open Wound - Upper Limb	880-887	1	0	1	1	1	1	3	4
-Open Wound - Lower Limb	890-897	0	0	0	0	0	2	2	2
-Superficial Injury	910-919	0	0	0	0	1	2	3	3
-Contusion	920-924	0	0	0	0	1	1	2	2
-Foreign Body Entering Orifice	930-939	0	0	0	0	0	2	2	2
-Burns	940-949	0	0	0	0	4	0	4	4
-Complications & Unspecified Injuries	958-959	0	0	0	0	3	0	3	3
-Complications of Surgical/Medical Care	996-999	0	0	0	0	1	0	1	1

*Only those diagnostic categories and gender/age combinations with at least one OSHA event appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix O. Number of Diagnoses in Each Diagnostic Category by Gender and Age*

	Women			Men				
	Age Group		TOTAL	Age Group			TOTAL	
	16 - 29	50 +		30 - 39	40 - 49	50 +		
Diagnostic Category								
Total	1	6	7	1	28	20	49	56

*Only those diagnostic categories and gender/age combinations with at least one OSHA event appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix P. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Age*

		Women			
		Age Group			
		16 - 29		50 +	
		Days Restricted	Days Lost	Days Restricted	Days Lost
Diagnostic Category	ICD-9-CM Codes				
-Arthropathies	710-719	0	0	0	32
-Dorsopathies	720-724	0	0	0	0
-Rheumatism, Excluding Back	725-729	0	0	0	0
-Fracture - Lower Limb	820-829	0	0	25	23
-Sprains & Strains - Back	846-847	0	0	0	0
-Sprains & Strains - Other	840-845, 848	0	0	25	23
-Open Wound - Upper Limb	880-887	0	0	0	0

		Men					
		Age Group					
		30 - 39		40 - 49		50 +	
		Days Restricted	Days Lost	Days Restricted	Days Lost	Days Restricted	Days Lost
Diagnostic Category	ICD-9-CM Codes						
-Disorders of Peripheral NS	350-359	0	0	0	0	0	0
-Disorders of Eye	360-379	0	0	0	0	0	10
-Dis of Ear & Mastoid	380-389	0	0	0	0	0	0
-Dis of Veins, Lymphatics, Other	451-459	0	0	0	6	0	0
-Other Inflammatory Conditions	690-698	0	0	0	0	0	0
-Arthropathies	710-719	0	0	111	172	34	113
-Dorsopathies	720-724	0	0	7	6	0	0
-Rheumatism, Excluding Back	725-729	0	0	0	0	153	137
-Symptoms	780-789	0	0	0	0	35	24
-Fracture - Neck, Trunk	805-809	0	0	0	0	0	0
-Fracture - Upper Limb	810-819	0	0	29	22	0	0
-Sprains & Strains - Back	846-847	0	0	0	0	0	0
-Sprains & Strains - Other	840-845, 848	0	0	54	143	69	137
-Open Wound - Head, Neck, Trunk	870-879	0	0	0	0	0	10
-Open Wound - Upper Limb	880-887	3	0	0	0	0	0
-Open Wound - Lower Limb	890-897	0	0	0	0	119	24
-Superficial Injury	910-919	0	0	0	0	119	24
-Contusion	920-924	0	0	0	0	0	0
-Foreign Body Entering Orifice	930-939	0	0	0	0	0	0
-Burns	940-949	0	0	0	0	0	0

(Continued)

*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix P. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Age*

		Men					
		Age Group					
		30 - 39		40 - 49		50 +	
		Days Restricted	Days Lost	Days Restricted	Days Lost	Days Restricted	Days Lost
Diagnostic Category	ICD-9-CM Codes						
-Complications & Unspecified Injuries	958-959	0	0	50	23	0	0
-Complications of Surgical/Medical Care	996-999	0	0	0	6	0	0

*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006
OSHA Data

Appendix Q. Number of Occurrences in Each Accident Category by Gender and Age*

		Women			Men				
		Age Group		TOTAL	Age Group			TOTAL	
		16 - 29	50 +		30 - 39	40 - 49	50 +		
Type of Accident	E Codes								
Motor Vehicle Traffic	E810-E819	0	0	0	0	1	0	1	1
Motor Vehicle Nontraffic	E820-E825	0	0	0	0	0	1	1	1
Surgical and Medical Procedures	E878-E879	0	0	0	0	1	0	1	1
Falls	E880-E888	0	1	1	0	2	1	3	4
Natural/Environmental Factors	E900-E909	0	0	0	0	2	0	2	2
Submersion/Suffocation/Foreign Bodies	E910-E915	0	0	0	0	0	2	2	2
Other Accidents	E916-E928	1	2	3	1	10	6	17	20

*Only those accident types and gender/age combinations with at least one occurrence appear in this table.

Appendix R. Number of Workdays Lost or with Restricted Activity in Each Accident Category by Gender and Age*

		Women			
		Age Group			
		16 - 29		50 +	
		Days Restricted	Days Lost	Days Restricted	Days Lost
Type of Accident	E Codes				
Falls	E880-E888	0	0	25	23
Other Accidents	E916-E928	0	0	0	32

		Men					
		Age Group					
		30 - 39		40 - 49		50 +	
		Days Restricted	Days Lost	Days Restricted	Days Lost	Days Restricted	Days Lost
Type of Accident	E Codes						
Motor Vehicle Traffic	E810-E819	0	0	50	22	0	0
Motor Vehicle Nontraffic	E820-E825	0	0	0	0	35	24
Surgical and Medical Procedures	E878-E879	0	0	0	6	0	0
Falls	E880-E888	0	0	28	119	119	24
Natural/Environmental Factors	E900-E909	0	0	0	0	0	0
Submersion/Suffocation/Foreign Bodies	E910-E915	0	0	0	0	0	0
Other Accidents	E916-E928	3	0	62	53	34	123

*OSHA events with >1 E code in the same accident type were counted only once. Only those accident types and gender/age combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix S. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category*

		Women		
		Job Category		TOTAL
		Professional	Administrative Support	
Diagnostic Category	ICD-9-CM Code			
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	0	3	3
-Arthropathies	710-719	0	1	1
-Dorsopathies	720-724	0	1	1
-Rheumatism, Excluding Back	725-729	0	1	1
INJURY & POISONING	800-999	1	3	4
-Fracture - Lower Limb	820-829	0	1	1
-Sprains & Strains - Back	846-847	0	1	1
-Sprains & Strains - Other	840-845, 848	0	1	1
-Open Wound - Upper Limb	880-887	1	0	1

	Women		
	Job Category		TOTAL
	Professional	Administrative Support	
Diagnostic Category			
Total	1	6	7

		Men						
		Job Category						TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
Diagnostic Category	ICD-9-CM Code							
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	1	0	2	0	0	0	3
-Disorders of Peripheral NS	350-359	1	0	0	0	0	0	1
-Disorders of Eye	360-379	0	0	1	0	0	0	1
-Dis of Ear & Mastoid	380-389	0	0	1	0	0	0	1
CIRCULATORY SYSTEM	390-459	0	0	1	0	0	0	1
-Dis of Veins, Lymphatics, Other	451-459	0	0	1	0	0	0	1
SKIN & SUBCUTANEOUS TISSUE	680-709	0	0	0	0	0	1	1
-Other Inflammatory Conditions	690-698	0	0	0	0	0	1	1
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	1	1	0	3	4	4	13
-Arthropathies	710-719	1	1	0	2	3	2	9
-Dorsopathies	720-724	0	0	0	1	0	1	2

(Continued)

*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix S. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category*

		Men						
		Job Category						TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
Diagnostic Category	ICD-9-CM Code							
-Rheumatism, Excluding Back	725-729	0	0	0	0	1	1	2
SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS	780-799	0	0	1	0	0	0	1
-Symptoms	780-789	0	0	1	0	0	0	1
INJURY & POISONING	800-999	3	1	5	6	6	9	30
-Fracture - Neck, Trunk	805-809	0	0	0	0	0	1	1
-Fracture - Upper Limb	810-819	0	0	0	1	0	0	1
-Sprains & Strains - Back	846-847	0	0	0	1	0	0	1
-Sprains & Strains - Other	840-845, 848	0	1	1	2	1	1	6
-Open Wound - Head, Neck, Trunk	870-879	0	0	1	0	0	0	1
-Open Wound - Upper Limb	880-887	0	0	1	1	0	1	3
-Open Wound - Lower Limb	890-897	0	0	1	0	1	0	2
-Superficial Injury	910-919	0	0	0	0	2	1	3
-Contusion	920-924	0	0	0	1	0	1	2
-Foreign Body Entering Orifice	930-939	0	0	0	0	0	2	2
-Burns	940-949	3	0	0	0	0	1	4
-Complications & Unspecified Injuries	958-959	0	0	0	0	2	1	3
-Complications of Surgical/Medical Care	996-999	0	0	1	0	0	0	1

	Men						
	Job Category						TOTAL
	Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
Diagnostic Category							
Total	5	2	9	9	10	14	49

*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix T. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Job Category*

		Women			
		Job Category			
		Professional		Administrative Support	
		Days Restricted	Days Lost	Days Restricted	Days Lost
Diagnostic Category	ICD-9-CM Codes				
-Arthropathies	710-719	0	0	0	32
-Dorsopathies	720-724	0	0	0	0
-Rheumatism, Excluding Back	725-729	0	0	0	0
-Fracture - Lower Limb	820-829	0	0	25	23
-Sprains & Strains - Back	846-847	0	0	0	0
-Sprains & Strains - Other	840-845, 848	0	0	25	23
-Open Wound - Upper Limb	880-887	0	0	0	0

*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix T. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Job Category*

		Men					
		Job Category					
		Professional		Administrative Support		Technical Support	
		Days Restricted	Days Lost	Days Restricted	Days Lost	Days Restricted	Days Lost
Diagnostic Category	ICD-9-CM Codes						
-Disorders of Peripheral NS	350-359	0	0	0	0	0	0
-Disorders of Eye	360-379	0	0	0	0	0	10
-Dis of Ear & Mastoid	380-389	0	0	0	0	0	0
-Dis of Veins, Lymphatics, Other	451-459	0	0	0	0	0	6
-Other Inflammatory Conditions	690-698	0	0	0	0	0	0
-Arthropathies	710-719	0	0	26	24	0	0
-Dorsopathies	720-724	0	0	0	0	0	0
-Rheumatism, Excluding Back	725-729	0	0	0	0	0	0
-Symptoms	780-789	0	0	0	0	35	24
-Fracture - Neck, Trunk	805-809	0	0	0	0	0	0
-Fracture - Upper Limb	810-819	0	0	0	0	0	0
-Sprains & Strains - Back	846-847	0	0	0	0	0	0
-Sprains & Strains - Other	840-845, 848	0	0	26	24	35	24
-Open Wound - Head, Neck, Trunk	870-879	0	0	0	0	0	10
-Open Wound - Upper Limb	880-887	0	0	0	0	0	0
-Open Wound - Lower Limb	890-897	0	0	0	0	0	0
-Superficial Injury	910-919	0	0	0	0	0	0
-Contusion	920-924	0	0	0	0	0	0
-Foreign Body Entering Orifice	930-939	0	0	0	0	0	0
-Burns	940-949	0	0	0	0	0	0
-Complications & Unspecified Injuries	958-959	0	0	0	0	0	0
-Complications of Surgical/Medical Care	996-999	0	0	0	0	0	6

*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix T. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Job Category*

		Men					
		Job Category					
		Service		Security and Fire		Crafts	
		Days Restricted	Days Lost	Days Restricted	Days Lost	Days Restricted	Days Lost
Diagnostic Category	ICD-9-CM Codes						
-Disorders of Peripheral NS	350-359	0	0	0	0	0	0
-Disorders of Eye	360-379	0	0	0	0	0	0
-Dis of Ear & Mastoid	380-389	0	0	0	0	0	0
-Dis of Veins, Lymphatics, Other	451-459	0	0	0	0	0	0
-Other Inflammatory Conditions	690-698	0	0	0	0	0	0
-Arthropathies	710-719	0	112	78	30	41	119
-Dorsopathies	720-724	0	0	0	0	7	6
-Rheumatism, Excluding Back	725-729	0	0	119	24	34	113
-Symptoms	780-789	0	0	0	0	0	0
-Fracture - Neck, Trunk	805-809	0	0	0	0	0	0
-Fracture - Upper Limb	810-819	29	22	0	0	0	0
-Sprains & Strains - Back	846-847	0	0	0	0	0	0
-Sprains & Strains - Other	840-845, 848	0	112	28	7	34	113
-Open Wound - Head, Neck, Trunk	870-879	0	0	0	0	0	0
-Open Wound - Upper Limb	880-887	3	0	0	0	0	0
-Open Wound - Lower Limb	890-897	0	0	119	24	0	0
-Superficial Injury	910-919	0	0	119	24	0	0
-Contusion	920-924	0	0	0	0	0	0
-Foreign Body Entering Orifice	930-939	0	0	0	0	0	0
-Burns	940-949	0	0	0	0	0	0
-Complications & Unspecified Injuries	958-959	0	0	50	23	0	0
-Complications of Surgical/Medical Care	996-999	0	0	0	0	0	0

*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix U. Number of Occurrences in Each Accident Category by Gender and Job Category*

		Women		
		Job Category		TOTAL
		Professional	Administrative Support	
Type of Accident	E CODES			
Falls	E880-E888	0	1	1
Other Accidents	E916-E928	1	2	3

		Men						
		Job Category						TOTAL
		Professional	Administrative Support	Technical Support	Service	Security and Fire	Crafts	
Type of Accident	E CODES							
Motor Vehicle Traffic	E810-E819	0	0	0	0	1	0	1
Motor Vehicle Nontraffic	E820-E825	0	0	1	0	0	0	1
Surgical and Medical Procedures	E878-E879	0	0	1	0	0	0	1
Falls	E880-E888	0	0	0	1	2	0	3
Natural/Environmental Factors	E900-E909	0	0	0	0	0	2	2
Submersion/Suffocation/Foreign Bodies	E910-E915	0	0	0	0	0	2	2
Other Accidents	E916-E928	2	1	3	4	1	6	17

*Only those accident types and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix V. Number of Workdays Lost or with Restricted Activity in Each Accident Category by Gender and Job Category*

		Women			
		Job Category			
		Professional		Administrative Support	
		Days Restricted	Days Lost	Days Restricted	Days Lost
Type of Accident	E Codes				
Falls	E880-E888	0	0	25	23
Other Accidents	E916-E928	0	0	0	32

		Men					
		Job Category					
		Professional		Administrative Support		Technical Support	
		Days Restricted	Days Lost	Days Restricted	Days Lost	Days Restricted	Days Lost
Type of Accident	E Codes						
Motor Vehicle Traffic	E810-E819	0	0	0	0	0	0
Motor Vehicle Nontraffic	E820-E825	0	0	0	0	35	24
Surgical and Medical Procedures	E878-E879	0	0	0	0	0	6
Falls	E880-E888	0	0	0	0	0	0
Natural/Environmental Factors	E900-E909	0	0	0	0	0	0
Submersion/Suffocation/Foreign Bodies	E910-E915	0	0	0	0	0	0
Other Accidents	E916-E928	0	0	26	24	0	10

		Men					
		Job Category					
		Service		Security and Fire		Crafts	
		Days Restricted	Days Lost	Days Restricted	Days Lost	Days Restricted	Days Lost
Type of Accident	E Codes						
Motor Vehicle Traffic	E810-E819	0	0	50	22	0	0
Motor Vehicle Nontraffic	E820-E825	0	0	0	0	0	0
Surgical and Medical Procedures	E878-E879	0	0	0	0	0	0
Falls	E880-E888	0	112	147	31	0	0
Natural/Environmental Factors	E900-E909	0	0	0	0	0	0
Submersion/Suffocation/Foreign Bodies	E910-E915	0	0	0	0	0	0
Other Accidents	E916-E928	32	22	0	1	41	119

*OSHA events with >1 E code in the same accident type were counted only once. Only those accident types and gender/job category combinations with at least one occurrence appear in this table.

Brookhaven National Laboratory 2006

OSHA Data

Appendix W. Age-Adjusted OSHA Illness and Injury Rates by Diagnostic Category

Part 1. Men

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections/Parasites	001-139	0	0	0	0
Cancer	140-208, 230-234	0	0	0	0
Benign Growths	210-229, 235-239	0	0	0	0
Endocrine/Metabolic	240-279	0	0	0	0
Blood	280-289	0	0	0	0
Mental	290-319	0	0	0	0
Nervous System	320-389	3	0.8	0.2	2.3
-Disorders of Peripheral NS	350-359	1	0.3	0.0	1.8
-Disorders of Eye	360-379	1	0.3	0.0	1.8
-Disorders of Ear & Mastoid	380-389	1	0.3	0.0	1.8
Heart/Circulatory	390-459	1	0.4	0.0	2.5
Respiratory	460-519	0	0	0	0
-Chronic Obstructive Diseases	490-496	0	0	0	0
-Lung Disease from External Agents	500-508	0	0	0	0
Digestive	520-579	0	0	0	0
-Hernias	550-553	0	0	0	0
Genitourinary	580-629	0	0	0	0
Skin	680-709	1	0.4	0.0	2.5
Musculoskeletal	710-739	13	4.3	2.5	7.5
-Arthropathies	710-719	9	3.0	1.5	5.8
-Dorsopathies	720-724	2	0.7	0.2	2.8
-Rheumatism, Excluding Back	725-729	2	0.6	0.2	2.6
Unspecified Symptoms	780-799	1	0.4	0.1	2.8
Injury	800-999	30	10.4	7.2	15.1
-Fractures - Skull, Neck, Trunk	800-809	1	0.3	0.0	1.8
-Fractures - Upper Limb	810-819	1	0.4	0.0	2.5
-Fractures - Lower Limb	820-829	0	0	0	0
-Dislocations	830-839	0	0	0	0
-Back Sprains & Strains	846-847	1	0.4	0.0	2.5
-Other Sprains & Strains	840-845, 848	6	2.1	0.9	4.6
-Open Wounds - Head, Neck, Trunk	870-879	1	0.3	0.0	1.8
-Open Wounds - Upper Limb	880-887	3	1.3	0.4	4.5
-Open Wounds - Lower Limb	890-897	2	0.6	0.2	2.6
-Superficial Injuries	910-919	3	1.1	0.4	3.5
-Bruises	920-924	2	0.6	0.1	2.5
-Foreign Bodies Entering Orifice	930-939	2	0.6	0.2	2.6
-Burns	940-949	4	1.4	0.5	3.8

*Standardized to age distribution of 2000 U.S. population.

Brookhaven National Laboratory 2006

OSHA Data

Appendix W. Age-Adjusted OSHA Illness and Injury Rates by Diagnostic Category

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
-Adverse Reactions to Nonmedical Substances or External Causes	980-995	0	0	0	0
-All Other Injuries	850-854, 860-869, 900-909, 925-929, 950-979, 996-999	4	1.4	0.5	3.8
Health Status/Health Service Contact	V01-V82	0	0	0	0
Total		49	16.6	12.5	22.1

Part 2. Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections/Parasites	001-139	0	0	0	0
Cancer	140-208, 230-234	0	0	0	0
Benign Growths	210-229, 235-239	0	0	0	0
Endocrine/Metabolic	240-279	0	0	0	0
Blood	280-289	0	0	0	0
Mental	290-319	0	0	0	0
Nervous System	320-389	0	0	0	0
-Disorders of Peripheral NS	350-359	0	0	0	0
-Disorders of Eye	360-379	0	0	0	0
-Disorders of Ear & Mastoid	380-389	0	0	0	0
Heart/Circulatory	390-459	0	0	0	0
Respiratory	460-519	0	0	0	0
-Chronic Obstructive Diseases	490-496	0	0	0	0
-Lung Disease from External Agents	500-508	0	0	0	0
Digestive	520-579	0	0	0	0
-Hernias	550-553	0	0	0	0
Genitourinary	580-629	0	0	0	0
Skin	680-709	0	0	0	0
Musculoskeletal	710-739	3	2.2	0.7	6.8
-Arthropathies	710-719	1	0.7	0.1	5.2
-Dorsopathies	720-724	1	0.7	0.1	5.2
-Rheumatism, Excluding Back	725-729	1	0.7	0.1	5.2
Unspecified Symptoms	780-799	0	0	0	0
Injury	800-999	4	5.8	1.6	21.2
-Fractures - Skull, Neck, Trunk	800-809	0	0	0	0
-Fractures - Upper Limb	810-819	0	0	0	0
-Fractures - Lower Limb	820-829	1	0.7	0.1	5.2
-Dislocations	830-839	0	0	0	0

*Standardized to age distribution of 2000 U.S. population.

Brookhaven National Laboratory 2006

OSHA Data

Appendix W. Age-Adjusted OSHA Illness and Injury Rates by Diagnostic Category

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
-Back Sprains & Strains	846-847	1	0.7	0.1	5.2
-Other Sprains & Strains	840-845, 848	1	0.7	0.1	5.2
-Open Wounds - Head, Neck, Trunk	870-879	0	0	0	0
-Open Wounds - Upper Limb	880-887	1	3.6	0.5	25.7
-Open Wounds - Lower Limb	890-897	0	0	0	0
-Superficial Injuries	910-919	0	0	0	0
-Bruises	920-924	0	0	0	0
-Foreign Bodies Entering Orifice	930-939	0	0	0	0
-Burns	940-949	0	0	0	0
-Adverse Reactions to Nonmedical Substances or External Causes	980-995	0	0	0	0
-All Other Injuries	850-854, 860-869, 900-909, 925-929, 950-979, 996-999	0	0	0	0
Health Status/Health Service Contact	V01-V82	0	0	0	0
Total		7	8.0	3.0	21.6

Part 3. Men and Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections/Parasites	001-139	0	0	0	0
Cancer	140-208, 230-234	0	0	0	0
Benign Growths	210-229, 235-239	0	0	0	0
Endocrine/Metabolic	240-279	0	0	0	0
Blood	280-289	0	0	0	0
Mental	290-319	0	0	0	0
Nervous System	320-389	3	0.6	0.2	1.8
-Disorders of Peripheral NS	350-359	1	0.2	0.0	1.3
-Disorders of Eye	360-379	1	0.2	0.0	1.3
-Disorders of Ear & Mastoid	380-389	1	0.2	0.0	1.3
Heart/Circulatory	390-459	1	0.3	0.0	1.8
Respiratory	460-519	0	0	0	0
-Chronic Obstructive Diseases	490-496	0	0	0	0
-Lung Disease from External Agents	500-508	0	0	0	0
Digestive	520-579	0	0	0	0
-Hernias	550-553	0	0	0	0
Genitourinary	580-629	0	0	0	0
Skin	680-709	1	0.3	0.0	1.8
Musculoskeletal	710-739	16	3.8	2.3	6.2

*Standardized to age distribution of 2000 U.S. population.

Brookhaven National Laboratory 2006

OSHA Data

Appendix W. Age-Adjusted OSHA Illness and Injury Rates by Diagnostic Category

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses	Age-Adjusted Rate per 1000*	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
-Arthropathies	710-719	10	2.4	1.3	4.4
-Dorsopathies	720-724	3	0.7	0.2	2.2
-Rheumatism, Excluding Back	725-729	3	0.7	0.2	2.3
Unspecified Symptoms	780-799	1	0.3	0.0	2.3
Injury	800-999	34	9.8	6.5	15.0
-Fractures - Skull, Neck, Trunk	800-809	1	0.2	0.0	1.3
-Fractures - Upper Limb	810-819	1	0.3	0.0	1.8
-Fractures - Lower Limb	820-829	1	0.2	0.0	1.3
-Dislocations	830-839	0	0	0	0
-Back Sprains & Strains	846-847	2	0.4	0.1	1.8
-Other Sprains & Strains	840-845, 848	7	1.7	0.8	3.7
-Open Wounds - Head, Neck, Trunk	870-879	1	0.2	0.0	1.3
-Open Wounds - Upper Limb	880-887	4	2.4	0.7	8.8
-Open Wounds - Lower Limb	890-897	2	0.5	0.1	2.2
-Superficial Injuries	910-919	3	0.9	0.3	2.8
-Bruises	920-924	2	0.4	0.1	1.8
-Foreign Bodies Entering Orifice	930-939	2	0.5	0.1	2.2
-Burns	940-949	4	1.0	0.4	2.7
-Adverse Reactions to Nonmedical Substances or External Causes	980-995	0	0	0	0
-All Other Injuries	850-854, 860-869, 900-909, 925-929, 950-979, 996-999	4	1.0	0.4	2.7
Health Status/Health Service Contact	V01-V82	0	0	0	0
Total		56	15.0	11.0	20.5

*Standardized to age distribution of 2000 U.S. population.