

FERNALD 1999

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

	Women					Men						
	%											
	Age Group					Age Group						
	16 -	30 -	40 -			16 -	30 -	40 -				
	29	39	49	50 +	Total	29	39	49	50 +	Total	Total	
Job Category												
Management	0	1	3	0	4	0	5	18	23	46	50	
Administrative	0	9	6	4	19	0	23	43	43	109	128	
Professional	12	35	36	14	97	7	64	99	58	228	325	
Engineering, Scientific, & Health Care	13	47	34	11	105	24	89	113	71	297	402	
Technical Support	11	17	13	6	47	5	57	42	24	128	175	
Clerical	45	75	56	51	227	5	12	4	3	24	251	
Service	20	39	36	21	116	48	56	47	31	182	298	
Security	1	3	1	0	5	4	8	9	8	29	34	
Craft & Repair	1	1	3	1	6	6	33	71	73	183	189	
Nuclear Specialties	4	9	12	10	35	17	37	45	45	144	179	
Total	107	236	200	118	661	116	384	491	379	1370	2031	

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## Appendix B. Most Common Job Titles in Each Job Category

MANAGEMENT	TCTC	ENTS*	EETE	TVME	GEMC	NYMB*
ABPC	TFTC	EPTL	EETS	TVTE	GMMA	
ADPC	THTC	EQTL	ENTS*	TVTS	GMMB	CRAFT & REP.
AFPC	TJTC	GC16	EPME		GSMB	0006
AHPC	TLTC	IMMD*	EPPC*	TECHNICAL	GTMB	0022
AIPC	TRTC	IMME	EPPT	SUPPORT	GTMC	0024
ALPC	TSTC*	IMTE	EPTE*	0035	IMMB	0025
ECPC	TVTC	IMTL	EPTS	AWMD*	IMMC	0028
ECTC*	TXTC	IMTS	EQMD	AWME	IMMD*	0030*
EEPC*		IRME*	EQME	EOMD*	IRMA*	0032
EPPC*	PROFESSIONAL	IRTL	EQTE	EQTS*	IRMB	0034
EQPC	0063*	NDMC*	EQTS*	NCMB	IRMC	0046
IMPC	AAMD	NMB*	EWME	NDMB	IRMD*	0048
LTAC	AAME	NTMC	EWTE	NDMC*	IRME*	0050
LTCC	AATS	NYMB*	EWTS	NQMB	OIMB	0054
LTEC	ABTL	NYMC	NEMB	NRMB	ONMC*	0055
LTSC	ABTS	OIMD	NEMC*	NRMC		0060
LTTC*	ACME	OIME	NFMB*	TCME	SERVICE	0067
LTPC	ACTS	OITL	NFMC	TCTE	0021	0078
OPPC	ADMD*	OMME	NGMB	TCTS	0030*	0080*
TFPC	ADTE	OMTL	NGMC	TEMD	0037	EOMD*
THPC	ADTL	OPTL*	NHMB	TEME	0038*	
TJPC	ADTS	OPTS*	NHMC	TETE	0039	NUCLEAR
TLPT*	AFMB	OTTL*	NIMB*	TETS	0051	SPECIALTIES
TSPC	AFMD	TAMD	NIMC	TSMD*	0052	0010
TSTC*	AFME	TAME	NLMB	TSME*	0053	ONMD*
TVPC	AFTL	TAPT	NLMC	TSPT	0056	OPOT
	AGMD	TATE	NMMB*	TSTE	0057	OPTL*
ADMINISTRATION	AGTE	TATS	TGMD	TSTS	0075	TSMD*
AATC	AHME	TFTL	TGME	TXMD*	0076	TXMD*
AATL	AHTL	TFTS	TGTE	TXME*	0077	TXME*
ABTC	AHTS	THTL	TGTS	TXTE	0080*	
ACTC	AITL	TLTL	THMD	TXTS	0082	
ADTC	AITS	TMTL	THME		EOMD*	
AGTC	ALPT	TRTL	THTE	CLERICAL	IRMA*	
AHTC	ALTE	TSTL	THTS	0063*	IRMD*	
AOTC	AOTS*	TVTL	TJMD	AAMB	NEMC*	
APTC	APMD	TXME*	TJME	AAMC	NFMB*	
ATTC	APME	TXTL	TJTE	ADM*	NIMB*	
EC07	APTE		TJTS	ADME	OMMD	
ECTC*	APTL	ENGINEERING,	TKTS	AHMA	ONMC*	
EETC	APTS	SCIENTIFIC, &	TLMD	AHMB	ONMD*	
EPTC	ASTL	HEALTH CARE	TLME	AHMC	OPMD	
EPTE*	ATMD	AOMD	TLPT*	AHMD	OPTE	
EQTC	ATME	AOME*	TLTE	AIMB	OPTL*	
EWTC	ATTL	AOTE	TLTS	AOME*	OPTS*	
IMTC	ATTS	AOTS*	TMD	APMB	OTTL*	
IRTC	AUTL	ECMD	TMME	ASMA	TSME*	
LTTC*	AUTS	ECME	TRMD	ATMC	TXMD*	
OITC	AWMD*	ECTE	TRME	GC12		
OMTC	AWTL	ECTS	TRTE	GC15	SECURITY	
OPTC	AWTS	EEMD	TRTS	GCMA	0038*	
OTTC	ECTL	EEME	TTTE	GCMB	0063*	
TATC	EETL	EEPC*	TVMD	GCNB	ASME	

\*This job title appears in more than one occupational category.

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## Appendix C. Work Force Demographics

## Part 1. Percentage of Men in Different Age Groups from 1993 to 1999

	16- 29	30- 39	40- 49	50+
1993	18	34	26	22
1994	17	35	28	21
1995	15	34	30	21
1996	12	34	32	22
1997	12	31	34	23
1998	11	29	35	25
1999	8	28	36	28

## Part 2. Percentage of Women in Different Age Groups from 1993 to 1999

	16- 29	30- 39	40- 49	50+
1993	33	34	23	10
1994	32	35	23	10
1995	27	36	27	11
1996	23	36	29	12
1997	21	36	29	14
1998	19	37	28	16
1999	16	36	30	18

## Part 3. Percentage of Men in Different Job Categories from 1993 to 1999

Year	Office Management & Administration	Engineering, Scientific, & Health Care	Technical Support	Other Management & Administration	Service	Craft & Repair	Nuclear Specialties
1993	18	21	18	13	4	14	11
1994	26	24	12	7	7	13	11
1995	16	20	8	23	8	13	11
1996	16	21	7	21	11	13	11
1997	13	21	10	17	14	14	11
1998	13	22	10	16	14	14	11
1999	13	22	9	17	15	13	11

## Part 4. Percentage of Women in Different Job Categories from 1993 to 1999

Year	Office Management & Administration	Engineering, Scientific, & Health Care	Technical Support	Other Management & Administration	Service	Craft & Repair	Nuclear Specialties
1993	62	9	15	4	4	3	3
1994	53	11	15	9	6	2	3
1995	48	12	7	18	8	2	5
1996	44	12	6	19	12	1	6
1997	37	16	8	17	15	1	6
1998	38	17	7	15	16	1	6
1999	38	16	7	15	18	1	5

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

Job Category	Women					Men					Total
	Age Group					Age Group					
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total	
Management	0	0	0	0	0	0	0	1	0	1	1
Administrative	0	1	0	1	2	0	0	1	6	7	9
Professional	1	4	3	1	9	0	8	11	7	26	35
Engineering, Scientific, & Health Care	2	7	5	3	17	2	4	8	4	18	35
Technical Support	0	3	3	3	9	2	4	4	6	16	25
Clerical	8	15	14	12	49	0	2	1	0	3	52
Service	7	18	9	6	40	16	10	10	4	40	80
Security	0	2	0	0	2	1	1	2	0	4	6
Craft & Repair	0	0	1	0	1	0	6	13	14	33	34
Nuclear Specialties	2	4	6	3	15	7	10	10	16	43	58
Total	20	54	41	29	144	28	45	61	57	191	335

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

	Women					Men					
	Age Group					Age Group					%
	16 -	30 -	40 -		Total	16 -	30 -	40 -		Total	Total
	29	39	49	50 +	Total	29	39	49	50 +	Total	Total
Job Category											
Management	0	0	0	0	0	0	0	1	0	1	1
Administrative	0	1	0	1	2	0	0	1	6	7	9
Professional	1	4	3	1	9	0	8	11	9	28	37
Engineering, Scientific, & Health Care	3	10	7	4	24	2	6	10	4	22	46
Technical Support	0	4	3	4	11	2	5	4	7	18	29
Clerical	8	19	17	13	57	0	2	1	0	3	60
Service	8	27	9	6	50	21	13	12	5	51	101
Security	0	2	0	0	2	2	1	2	0	5	7
Craft & Repair	0	0	1	0	1	0	7	14	19	40	41
Nuclear Specialties	2	4	12	3	21	9	17	16	21	63	84
Total	22	71	52	32	177	36	59	72	71	238	415

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

	Women					Men				
	Age Group					Age Group				
	16 -	30 -	40 -			16 -	30 -	40 -		
	29	39	49	50 +	Total	29	39	49	50 +	Total
# of Calendar Days										
< 15	7	25	17	12	61	9	18	20	27	74
15 - 28	10	26	15	7	58	13	12	22	17	64
29 - 42	2	6	6	1	15	6	11	12	6	35
43 - 56	2	7	6	2	17	5	7	4	6	22
57 - 91	1	4	6	4	15	1	5	9	9	24
92 - 182	0	1	2	6	9	2	6	4	4	16
183 +	0	2	0	0	2	0	0	1	2	3
Total	22	71	52	32	177	36	59	72	71	238

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

	Women										Men																						
	Job Category										Job Category																						
	Eng-	ine-	eri-	ng-	Sci-	ent-	Nuc-	Adm-	ifi-	Tec-	lear-	Eng-	ine-	eri-	ng-	Sci-	ent-	Nuc-	Adm-	ifi-	Tec-	lear-											
	ini-	Pro-	c, &	hni-	Cra-	Spe-	Man-	str-	fes-	Hea-	cal	Cle-	Sec-	ft	&	cia-	Man-	str-	fes-	Hea-	cal	Cle-	Sec-	ft	&	cia-							
	ati-	sio-	lth	Sup-	ric-	Ser-	uri-	Rep-	lti-	Tot-	age-	ati-	sio-	lth	Sup-	ric-	Ser-	uri-	Rep-	lti-	Tot-	age-	ati-	sio-	lth	Sup-	ric-	Ser-	uri-	Rep-	lti-	Tot-	age-
	on	nal	Care	port	al	vice	ty	air	es	al	ment	on	nal	Care	port	al	vice	ty	air	es	al	ment	on	nal	Care	port	al	vice	ty	air	es	al	
# of																																	
Calendar																																	
Days																																	
%																																	
< 15	0	3	5	5	23	18	0	0	7	61	0	3	8	9	7	1	10	2	12	22	74												
15 - 28	0	3	9	4	15	17	2	1	7	58	1	1	6	6	4	0	20	1	12	13	64												
29 - 42	0	1	3	1	6	4	0	0	0	15	0	0	9	2	3	1	6	1	4	9	35												
43 - 56	2	0	3	0	4	5	0	0	3	17	0	1	1	2	2	1	7	1	2	5	22												
57 - 91	0	1	3	1	6	1	0	0	3	15	0	1	3	2	2	0	2	0	4	10	24												
92 - 182	0	0	0	0	3	5	0	0	1	9	0	1	1	1	0	0	5	0	4	4	16												
183 +	0	1	1	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	2	0	3												
Total	2	9	24	11	57	50	2	1	21	177	1	7	28	22	18	3	51	5	40	63	238												

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

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

Diagnostic Category	Women					Men				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
INFECTIONOUS & PARASITIC DISEASES (DIS)	0	2	2	0	4	4	1	0	2	7
- Intestinal, 001-009										
Infectious Dis	0	1	0	0	1	1	0	0	0	1
- Other, 030-041										
Bacterial Dis	0	0	0	0	0	1	1	0	0	2
- Viral Dis, 050-057										
with Exanthem	0	0	0	0	0	2	0	0	0	2
- Other, 070-079										
Viral Dis & Chlamydiae	0	1	2	0	3	0	0	0	1	1
- Rickettsiales & Other										
Arthropod	0	0	0	0	0	0	0	0	1	1
MALIGNANT NEOPLASMS, 140-208										
- Breast, 174-175	0	1	0	1	2	0	0	0	0	0
- Genitourinary, 179-189	0	0	0	0	0	0	0	0	2	2
- Lymphatic & Hematopoietic, 200-208										
& Hematopoietic	0	0	0	0	0	0	0	0	4	4
BENIGN & UNCERTAIN NEOPLASMS, 210-229										
NEOPLASMS	1	0	4	2	7	0	1	3	1	5

\*Only those diagnostic categories with at least one occurrence appear in this table.

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

Diagnostic Category	Women					Men					Total
	16 - 29	30 - 39	40 - 49	50 +	al	16 - 29	30 - 39	40 - 49	50 +	al	
ENDOCRINE/-, 240- 279	0	1	1	2	4	0	1	3	1	5	9
METABOLIC/-, 250- 259	0	1	0	2	3	0	1	1	1	3	6
IMMUNITY Disorders, 270- 279	0	0	1	0	1	0	0	2	0	2	3
BLOOD & BLOOD-FORMING ORGANS, 280- 289	0	0	0	0	0	0	0	0	1	1	1
MENTAL DISORDERS, 290- 319	7	15	8	1	31	14	9	9	4	36	67
- Psychoses, 290- 299	0	2	1	0	3	1	0	0	1	2	5
- Non-Psychotic Disorders, 300- 302, 306- 316	7	13	7	1	28	12	7	7	3	29	57
- Alcohol Dependence, 303	0	0	0	0	0	1	1	0	0	2	2
- Drug Dependence, 304- 305	0	0	0	0	0	0	1	2	0	3	3
NERVOUS SYSTEM (NS) & SENSE ORGANS, 320- 389	2	8	1	4	15	1	0	3	2	6	21
- Other Disorders of Central NS, 340- 349	1	2	1	1	5	0	0	0	0	0	5

\*Only those diagnostic categories with at least one occurrence appear in this table.

(CONTINUED)

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

Diagnostic Category	Women					Men					Total
	16-29	30-39	40-49	50-59	60+	16-29	30-39	40-49	50-59	60+	
- Disorders of Peripheral Nerve, 350-359	1	3	0	2	6	0	0	0	1	1	7
- Disorders of Eye, 360-379	0	2	0	1	3	0	0	2	0	2	5
- Dis of Ear, 380-389 & Mastoid	0	1	0	0	1	1	0	1	1	3	4
CIRCULATORY SYSTEM, 390-459	0	2	2	4	8	0	6	7	14	27	35
- Hypertensive Dis, 401-405	0	0	2	1	3	0	3	3	5	11	14
- Ischemic Heart Dis, 410-414	0	0	0	1	1	0	0	3	4	7	8
- Dis of Pulmonary Circulation, 415-417	0	0	0	0	0	0	0	0	1	1	1
- Other Heart Dis, 420-429	0	0	0	0	0	0	0	0	2	2	2
- Cerebrovascular Dis, 430-438	0	0	0	2	2	0	0	0	0	0	2
- Dis of Arteries & Capillaries, 440-448	0	0	0	0	0	0	1	0	1	2	2
- Dis of Veins, Lymphatics, & Other, 451-459	0	2	0	0	2	0	2	1	1	4	6
RESPIRATORY SYSTEM, 460-519	4	28	10	12	54	5	12	22	21	60	114
- Acute Respiratory Infections, 460-466	1	6	3	3	13	0	1	3	7	11	24

\*Only those diagnostic categories with at least one occurrence appear in this table.

(CONTINUED)

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

Diagnostic Category	Women					Men					Total
	16 - 29	30 - 39	40 - 49	50 - 59	60 +	16 - 29	30 - 39	40 - 49	50 - 59	60 +	
Respiratory, Tract	2	5	3	4	14	2	4	1	1	8	22
- Pneumonia & Influenza	1	9	2	2	14	2	2	7	6	17	31
- Chronic Obstructive Dis	0	8	2	2	12	0	4	10	6	20	32
- Lung Dis from External Agents	0	0	0	0	0	0	0	0	1	1	1
- Other Respiratory Dis	0	0	0	1	1	1	1	1	0	3	4
DIGESTIVE SYSTEM	3	7	7	2	19	0	6	11	12	29	48
- Oral Cavity, Saliva Glands, Jaw	0	2	0	0	2	0	0	0	0	0	2
- Esophagus, Stomach, Duodenum	1	1	1	1	4	0	1	0	2	3	7
- Appendicitis	0	0	0	0	0	0	0	3	0	3	3
- Hernia	0	1	2	0	3	0	1	6	5	12	15
- Enteritis, Colitis	0	1	2	0	3	0	1	0	0	1	4
- Other Intestinal Dis	0	0	1	0	1	0	3	1	2	6	7

\*Only those diagnostic categories with at least one occurrence appear in this table.

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

Diagnostic Category	Women					Men				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
- Other, 570-579										
Digestive Disorders	2	2	1	1	6	0	0	1	3	4
GENITOURINARY SYSTEM, 580-629										
- Other, 590-599										
Urinary Disorders	0	0	0	2	2	0	0	3	1	4
- Male, 600-608										
Genital Organ Disorders	0	0	0	0	0	1	1	1	3	3
- Breast, 610-611										
Disorders	0	0	1	0	1	0	0	0	0	1
- Other, 617-629										
Female Disorders	0	5	10	1	16	0	0	0	0	16
PREGNANCY & CHILDBIRTH, 630-677										
- Ectopic & Molar Pregnancy, 630-633										
with Abortive Outcome	1	0	0	0	1	0	0	0	0	1
- Pregnancy, 634-639										
SKIN & SUBCUTANEOUS TISSUE, 680-709										
- Infections, 680-686	0	0	0	0	0	1	0	0	1	1
- Other, 700-709	0	0	1	0	1	1	1	0	1	3
MUSCULOSKELETAL & CONNECTIVE TISSUE, 710-739										
LETAL & CONNECTIVE TISSUE	1	12	11	10	34	6	16	14	13	49

\*Only those diagnostic categories with at least one occurrence appear in this table.

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

Diagnostic Category Code	Women					Men				
	Age Group					Age Group				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
- Arthropathies, ICD-9-CM Category 710-719	0	0	3	0	3	1	1	2	7	11
- Dorsopathies, ICD-9-CM Category 720-724	0	6	5	5	16	4	7	9	3	23
- Rheumatism, Excluding Back, ICD-9-CM Category 730-739	1	4	2	3	10	1	4	2	3	10
- Other Disabilities & Acquired Deformities, ICD-9-CM Category 740-759	0	2	1	2	5	0	4	1	0	5
CONGENITAL ANOMALIES, ICD-9-CM Category 760-769	1	1	1	0	3	0	1	0	1	2
SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS, ICD-9-CM Category 780-789	1	9	10	6	26	2	3	6	8	19
- Non-Specific Abnormal Findings, ICD-9-CM Category 800-809	0	1	0	0	1	0	0	1	1	2
INJURY & POISONING, ICD-9-CM Category 850-859	8	17	28	13	66	25	33	26	19	103
- Fracture of Skull, ICD-9-CM Category 860-869	0	0	0	1	1	0	1	0	1	2
- Fracture of Neck, Trunk, ICD-9-CM Category 870-879	0	0	0	0	0	0	1	0	1	2
- Fracture of Upper Limb, ICD-9-CM Category 880-889	0	3	2	1	6	1	2	0	0	3
- Fracture of Lower Limb, ICD-9-CM Category 890-899	1	1	1	4	7	1	2	2	2	7

\*Only those diagnostic categories with at least one occurrence appear in this table.

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

Diagnostic Category	Women					Men				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
- Dislocation, 830-839	1	0	1	1	3	3	6	2	4	15
- Sprains & Strains - Back, 846-847	6	4	9	2	21	5	6	8	3	22
- Sprains & Strains - Other, 848	0	3	6	2	11	13	8	3	2	26
- Intracranial Injury, 850-854	0	0	0	0	0	0	0	1	0	1
- Open Wound, Upper Limb, 880-887	0	1	0	0	1	0	1	2	1	4
- Late Effects, 905-909	0	1	0	0	1	0	3	1	3	7
- Superficial Injury, 910-919	0	0	1	0	1	0	0	0	0	1
- Contusion, 920-924	0	3	5	0	8	0	1	4	0	5
- Crushing Injury, 925-929	0	0	0	0	0	1	0	0	0	1
- Burns, 940-949	0	0	0	0	0	0	0	1	0	1
- Injury to Nerves & Spinal Cord, 950-957	0	0	0	0	0	0	0	0	1	1
- Complications & Unspecified Injuries, 958-959	0	0	0	0	0	0	1	2	0	3
- Toxic Effects - Nonmedical, 980-989	0	1	0	0	1	0	0	0	0	1

\*Only those diagnostic categories with at least one occurrence appear in this table.

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

	Women					Men					
	Age Group					Age Group					
	16 -	30 -	40 -	Tot-		16 -	30 -	40 -	Tot-		Tot-
	29	39	49	50 +	al	29	39	49	50 +	al	al
Diagnostic Category											
ICD-9-CM Code											
-Unspecified Effects	0	0	1	2	3	0	0	0	0	0	3
-Complications of Surgical/Medical Care	0	0	2	0	2	1	1	0	1	3	5
HEALTH STATUS/HEALTH SERVICE CONTACT	0	1	0	0	1	0	0	0	0	0	1
-Health Services, Reproductive/Development	0	1	0	0	1	0	0	0	0	0	1
Total	31	110	97	60	298	58	92	109	109	368	666

\*Only those diagnostic categories with at least one occurrence appear in this table.

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

Diagnostic Category	Women					Men				
	Age Group					Age Group				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
INFECTIONOUS & PARASITIC DISEASES (DIS)	0	62	14	0	76	69	7	0	22	98
MALIGNANT NEOPLASMS (DIS)	0	227	0	72	299	0	0	0	309	608
BENIGN & UNCERTAIN NEOPLASMS (DIS)	17	0	227	114	358	0	27	85	28	140
ENDOCRINE/METABOLIC IMMUNITY (DIS)	0	73	21	122	216	0	7	97	14	118
BLOOD-FORMING ORGANS (DIS)	0	0	0	0	0	0	0	0	64	64
MENTAL DISORDERS (DIS)	164	574	186	100	1024	272	287	269	630	1458
NERVOUS SYSTEM ORGANS (DIS)	80	218	24	107	429	40	0	132	209	381
CIRCULATORY SYSTEM (DIS)	0	49	49	143	241	0	141	270	1025	1436
RESPIRATORY SYSTEM (DIS)	69	505	145	308	1027	108	182	281	333	904
DIGESTIVE SYSTEM (DIS)	33	137	262	21	453	0	80	243	427	750
GENITOURINARY SYSTEM (DIS)	0	98	320	179	597	0	13	32	56	101
PREGNANCY & CHILDBIRTH (DIS)	23	0	0	0	23	0	0	0	0	23

\*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once.

(CONTINUED)



FERNALD 1999

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

	Women					Men				
	Age Group					Age Group				
	16 -	30 -	40 -	Tot-	al	16 -	30 -	40 -	Tot-	al
	29	39	49	50 +		29	39	49	50 +	
Diagnostic Category										
SKIN & SUBCUTANEOUS TISSUE	0	0	14	0	14	17	73	0	7	111
MUSCULOSKELETAL & CONNECTIVE TISSUE	19	312	523	444	1298	142	616	954	646	2358
CONGENITAL ANOMALIES	35	27	27	0	89	0	13	0	18	31
SYMPTOMS, SIGNS, & ILL-DEFINED COND.	35	127	254	145	561	120	169	167	119	575
INJURY & POISONING	122	221	432	494	1269	623	1311	946	780	3660

\*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once.

FERNALD 1999

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

Women										
Diagnostic Category	ICD-9-CM Code									
INFECTIOUS & PARASITIC DISEASES (DIS)	,001-139									
-Intestinal Infectious Diseases	,001-009	1	0	0	0	1	2	0	0	4
-Other Viral Diseases & Chlamydiae	,070-079									
MALIGNANT NEOPLASMS	,140-208, 230-234									
-Breast	,174-175	0	1	0	1	0	0	0	0	2
BENIGN & UNCERTAIN NEOPLASMS	,210-229, 235-239									
ENDOCRINE/METABOLIC/IMMUNITY	,240-279									
-Other Endocrine and Metabolic & Immunity Disorders	,250-259	0	0	0	1	1	0	0	0	2
-Other Metabolic & Immunity Disorders	,270-279									
MENTAL DISORDERS	,290-319									
		0	1	7	0	8	9	2	0	31

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

(CONTINUED)

FERNALD 1999

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

Women										
Diagnostic Category	ICD-9-CM Code									
- Psychoses	290-299	0	0	0	0	3	0	0	0	3
- Non-Psychotic Disorders	300-302, 306-316	0	1	7	0	5	9	2	0	28
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	0	1	4	0	5	4	0	0	15
- Other Disorders of Central NS	340-349	0	0	1	0	1	2	0	0	5
- Disorders of Peripheral NS	350-359	0	1	3	0	1	1	0	0	6
- Disorders of Eye	360-379	0	0	0	0	3	0	0	0	3
- Dis of Ear & Mastoid	380-389	0	0	0	0	0	1	0	0	1
CIRCULATORY SYSTEM	390-459	0	0	0	0	6	1	0	0	8
- Hypertensive Dis	401-405	0	0	0	0	2	0	0	0	3
- Ischemic Heart Dis	410-414	0	0	0	0	0	1	0	0	1
- Cerebrovascular Dis	430-438	0	0	0	0	2	0	0	0	2

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

(CONTINUED)

FERNALD 1999

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

Women											
Diagnostic Category	ICD-9-CM Code	Dis of Veins, Lymphatics, Other	RESPIRATORY SYSTEM - Acute	- Other Dis Upper Respiratory Tract	- Pneumonia & Influenza	- Chronic Obstructive Dis	- Other Respiratory Dis	DIGESTIVE SYSTEM - Oral Cavity	- Esophagus, Stomach, Duodenum	Total	%
	451-459	0, 0, 0	1, 1, 7	0, 1, 0, 1, 8, 4	0, 0, 4, 1, 6, 2	0, 0, 1, 1, 4, 6, 0, 0, 0	0, 0, 0, 0, 0, 1, 0, 0, 0	0, 1, 1, 3, 7, 2, 0, 0, 5	0, 0, 0, 1, 1, 1, 0, 0, 1	2, 54, 13, 14, 12, 1, 19, 2, 4	

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

(CONTINUED)

FERNALD 1999

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

Women										
Diagnostic Category	ICD-9-CM Code									
- Hernia	550-553	0	0	0	0	2	1	0	0	3
- Enteritis, Colitis	555-558	0	1	0	0	2	0	0	0	3
- Other Intestinal Dis	560-569	0	0	0	0	0	0	0	0	1
- Other Digestive Dis	570-579	0	0	0	2	2	0	0	0	6
GENITOURINARY SYSTEM	580-629	0	1	3	0	9	4	0	0	19
- Other Urinary Dis	590-599	0	0	0	0	1	1	0	0	2
- Breast Disorders	610-611	0	0	0	0	0	0	0	0	1
- Other Female Disorders	617-629	0	1	3	0	8	3	0	0	16
PREGNANCY & CHILDBIRTH	630-677	0	0	0	0	1	2	0	0	3
- Ectopic & Molar Pregnancy	630-633	0	0	0	0	0	1	0	0	1
- Pregnancy with Abortive Outcome	634-639	0	0	0	0	1	1	0	0	2
SKIN & SUBCUTANEOUS TISSUE	680-709	0	0	0	1	0	0	0	0	1

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

(CONTINUED)

FERNALD 1999

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

Women											
Diagnostic Category	ICD-9-CM Code	Other	700-709	MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	Arthropathies	710-719	Dorsopathies	720-724	Rheumatism	725-729
- Other	700-709	0	0	0	1	0	0	0	0	0	1
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739										
- Arthropathies	710-719	0	0	7	1	10	11	0	0	1	34
- Dorsopathies	720-724	0	1	5	1	3	6	0	0	0	16
- Rheumatism	725-729										
Back		1	0	1	0	3	4	0	0	1	10
- Other Dis &	730-739										
Acquired Deformities		1	1	0	0	2	1	0	0	0	5
CONGENITAL ANOMALIES	740-759	0	0	0	0	1	2	0	0	0	3
SYMPTOMS, SIGNS, & ILL-DEFINED COND.	780-799	0	0	4	2	10	7	0	0	4	27
- Symptoms	780-789	0	0	4	2	9	7	0	0	4	26
- Non-Specific	790-796										
Abnormal Findings		0	0	0	0	1	0	0	0	0	1
INJURY & POISONING	800-999	0	1	7	7	18	18	0	1	14	66
- Fracture - Skull	800-804	0	0	0	0	0	0	0	0	1	1

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

(CONTINUED)

FERNALD 1999

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

Women											
Diagnostic Category	ICD-9-CM Code										
- Fracture -	810-819	Upper Limb	0	0	2	2	0	2	0	0	6
- Fracture -	820-829	Lower Limb	0	0	1	0	6	0	0	0	7
- Dislocation	830-839		0	0	0	0	1	1	0	0	3
- Sprains & Strains -	846-847	Back	0	1	3	0	2	7	0	0	21
- Sprains & Strains -	840-845, 848	Other	0	0	0	2	3	4	0	1	11
- Open Wound -	880-887	Upper Limb	0	0	0	0	0	1	0	0	1
- Late Effects	905-909		0	0	1	0	0	0	0	0	1
- Superficial Injury	910-919		0	0	0	0	1	0	0	0	1
- Contusion	920-924		0	0	0	0	5	3	0	0	8
- Toxic Effects -	980-989	Nonmedicinal	0	0	0	0	0	0	0	0	1
- Unspecified	990-995	External Causes	0	0	0	2	0	0	0	0	3

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

(CONTINUED)

FERNALD 1999

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

Women											
Diagnostic Category	ICD-9-CM Code	0	1	2	3	4	5	6	7	8	9
Job Category											
Engi- neer- ing, Scie- ntif- ic, & Tech- nical, Craft, ear, & Spec- ialt- y, onal, Care, ort, ical, ice, rity, ir, ies, Total,											
-Complicatio- ns of Surgical /Med- ical Care											
HEALTH STATUS/HEALTH SERVICE CONTACT											
- Health Services, Reproducti on- /Development											
Total											

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

(CONTINUED)



FERNALD 1999

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

Diagnostic Category	Men											
	Job Category											
ICD-9-CM Code	Engi- neer- ing	Sci- entif- ic & Tech- Craft, ear	Man- ag- er	Prof- ess- ional	Heal- th	Supp- ort	Cler- ical	Serv- ice	Secu- rity	Repa- ir	Alt- ern	Total
INFECTIOUS & PARASITIC DISEASES (DIS)	0	0	2	1	0	0	1	1	0	2	7	
-Intestinal Infectious Dis	0	0	0	1	0	0	0	0	0	0	1	
-Other Bacterial Dis	0	0	0	0	0	0	0	1	0	1	2	
-Viral Dis with Exanthem	0	0	0	0	0	0	1	0	0	1	2	
-Other Viral Dis & Chlamydiae	0	0	1	0	0	0	0	0	0	0	1	
-Rickettsioses & Other Arthropod	0	0	1	0	0	0	0	0	0	0	1	
MALIGNANT NEOPLASMS	0	1	0	0	4	0	1	0	0	0	6	
-Genitourinary	0	1	0	0	0	0	1	0	0	0	2	
-Lymphatic & Hematopoietic	0	0	0	0	4	0	0	0	0	0	4	
BENIGN & UNCERTAIN NEOPLASMS	0	0	0	0	0	0	0	0	2	3	5	

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

(CONTINUED)

FERNALD 1999

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

Men											
Job Category											
	Engi-	neer-	ing,	Scie-	ntif-	Nucl-	Admi-	ic, & Tech-	Craft,	ear,	Total,
Diagnostic ICD-9-CM Code Category											
ENDOCRINE/METABOLIC/IMMUNITY	0	0	0	1	0	1	0	0	2	1	5
- Other											
Endocrine Gland Disorders	0	0	0	0	0	1	0	0	2	0	3
- Other											
Metabolic & Immunity Disorders	0	0	0	1	0	0	0	0	0	1	2
BLOOD & BLOOD FORMING ORGANS	0	0	0	0	1	0	0	0	0	0	1
MENTAL DISORDERS	0	1	2	3	4	0	10	3	1	12	36
- Psychoses	0	1	0	0	0	0	0	1	0	0	2
- Non-Psychotic Disorders	0	0	2	2	3	0	9	2	1	10	29
- Alcohol Dependence	0	0	0	1	0	0	0	0	0	1	2
- Drug Dependence	0	0	0	0	1	0	1	0	0	1	3
NERVOUS SYSTEM (NS) & SENSE ORGANS	0	0	0	0	0	0	2	0	3	1	6
- Disorders of Peripheral NS	0	0	0	0	0	0	0	0	1	0	1

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

(CONTINUED)

FERNALD 1999

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

Diagnostic Category	Men												
	Job Category												
	Engi- neer- ing	Sci- entif- ic	Admi- nistr- ative	Man- u- fact- uring	Prof- ess- ional	Heal- th Care	Supp- ort	Cler- ical	Serv- ice	Secu- rity	Repa- ir	Total	
- Disorders of, 360-379	0	0	0	0	0	0	0	0	0	0	2	0	2
Eye													
- Dis of Ear &, 380-389	0	0	0	0	0	0	0	2	0	0	0	1	3
Mastoid													
CIRCULATORY SYSTEM, 390-459	0	1	3	4	3	1	1	1	0	9	5	27	
SYSTEM													
- Hypertensive, 401-405	0	0	0	2	1	1	1	1	0	2	4	11	
Dis													
- Ischemic, 410-414	0	1	1	1	1	0	0	0	0	2	1	7	
Heart Dis													
- Dis of, 415-417	0	0	0	0	0	0	0	0	0	1	0	1	
Pulmonary Circulation													
- Other Heart, 420-429	0	0	0	0	0	0	0	0	0	2	0	2	
Dis													
- Dis of, 440-448	0	0	1	0	0	0	0	0	0	1	0	2	
Arteries & Capillaries													
- Dis of, 451-459	0	0	1	1	1	0	0	0	0	1	0	4	
Veins, Lymphatics, Other													
RESPIRATORY SYSTEM, 460-519	0	0	8	5	2	1	10	1	14	19	60		
SYSTEM													
- Acute, 460-466	0	0	2	1	0	0	1	0	4	3	11		
Respiratory Infections													

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

(CONTINUED)

FERNALD 1999

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

Men											
Job Category											
	Engi-	neer-	ing,	Scie-	ntif-	Nucl-	Admi-	ic, & Tech-	Craft,	ear,	Total,
Diagnostic ICD-9-CM Code Category											
- Other Dis , 470-478	0	0	2	0	0	0	3	0	2	1	8
Upper Respiratory Tract											
- Pneumonia & , 480-487											
Influenza	0	0	3	1	1	0	2	1	3	6	17
- Chroni c , 490-496											
Obstructive Dis	0	0	1	2	1	1	3	0	5	7	20
- Lung Dis , 500-508											
from External Agents	0	0	0	0	0	0	0	0	0	1	1
- Other , 510-519											
Respiratory Dis	0	0	0	1	0	0	1	0	0	1	3
DIGESTIVE , 520-579											
SYSTEM	1	2	7	3	5	0	3	0	1	7	29
- Esophagus, , 530-537											
Stomach, Duodenum	0	0	0	0	1	0	1	0	0	1	3
- Appendicitis, 540-543	0	0	2	0	1	0	0	0	0	0	3
- Hernia , 550-553	0	2	1	3	2	0	1	0	0	3	12
- Enteritis, , 555-558											
Colitis	0	0	0	0	0	0	1	0	0	0	1
- Other , 560-569											
Intestinal Dis	0	0	3	0	1	0	0	0	1	1	6

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

(CONTINUED)

FERNALD 1999

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

Men																									
Job Category																									
	Engi-	neer-	ing,	Scie-	ntif-	Nucl-	Admi-	ic, & Tech-	Craft,	ear,	Total,														
	Mana-	nist-	Prof-	Heal-	nical,	& Spec-	gene-	rati-	essi-	th Supp-	Cler-	Serv-	Secu-	Repa-	ialt-	nt on	onal	Care	ort	ical	ice	rity	ir	ies	Total,
Diagnostic ICD-9-CM Code Category																									
-Other, 570-579																									
Digestive Dis,	1,	0,	1,	0,	0,	0,	0,	0,	0,	0,	0,	0,	0,	0,	2,	4,									
GENITOURINARY, 580-629																									
SYSTEM	0,	0,	1,	2,	0,	0,	0,	0,	1,	0,	3,	7,													
-Other, 590-599																									
Urinary Dis	0,	0,	1,	1,	0,	0,	0,	0,	0,	0,	2,	4,													
-Male Genital, 600-608																									
Organ Dis	0,	0,	0,	1,	0,	0,	0,	1,	0,	1,	3,														
SKIN & SUBCUTANEOUS TISSUE																									
-Infections, 680-686	0,	0,	0,	0,	1,	0,	0,	0,	0,	0,	0,	1,													
-Other, 700-709	0,	0,	0,	0,	0,	0,	1,	0,	0,	2,	3,														
MUSCULOSKELE-, 710-739																									
TAL & CONNECTIVE TISSUE	0,	2,	6,	1,	2,	1,	19,	1,	11,	6,	49,														
-Arthropathi-, 710-719																									
es	0,	1,	2,	0,	0,	0,	1,	1,	5,	1,	11,														
-Dorsopathi es, 720-724	0,	1,	3,	0,	1,	0,	11,	0,	5,	2,	23,														
-Rheumatism, 725-729																									
Excluding Back	0,	0,	1,	0,	0,	1,	5,	0,	1,	2,	10,														
-Other Dis &, 730-739																									
Acquired Deformities	0,	0,	0,	1,	1,	0,	2,	0,	0,	1,	5,														

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

(CONTINUED)

FERNALD 1999

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

Men																
Job Category																
	Engi-	neer-	ing,	Scie-	ntif-	Nucl-	Admi-	ic, & Tech-	Craft,	ear,	Total,					
	Mana-	ni st-	Prof-	Heal-	ni cal,	& ,Spec-	gene-	rati-	essi-	th ,Supp-	Cler-	Serv-	Secu-	Repa-	ial t-	nt ,on ,onal ,Care ,ort ,ical ,ice ,rity ,ir ,ies ,Total,
Diagnostic ICD-9-CM Code Category																
CONGENITAL , 740- 759																
ANOMALIES	0,	0,	0,	0,	1,	0,	0,	1,	0,	0,	2,					
SYMPTOMS, , 780- 799																
SIGNS, & ILL-,																
DEFINED COND.,	1,	0,	6,	1,	1,	0,	3,	0,	6,	3,	21,					
-Symptoms , 780- 789	1,	0,	6,	0,	1,	0,	3,	0,	5,	3,	19,					
- Non-Specific, 790- 796																
Abnormal Findings	0,	0,	0,	1,	0,	0,	0,	0,	1,	0,	2,					
INJURY & , 800- 999																
POISONING	0,	1,	8,	10,	3,	3,	27,	2,	18,	31,	103,					
- Fracture - , 800- 804																
Skull	0,	0,	0,	2,	0,	0,	0,	0,	0,	0,	2,					
- Fracture - , 805- 809																
Neck, Trunk	0,	0,	0,	1,	1,	0,	0,	0,	0,	0,	2,					
- Fracture - , 810- 819																
Upper Limb	0,	0,	0,	0,	0,	0,	0,	0,	0,	3,	3,					
- Fracture - , 820- 829																
Lower Limb	0,	0,	1,	1,	0,	0,	2,	0,	2,	1,	7,					
- Dislocation , 830- 839	0,	0,	4,	2,	1,	0,	4,	0,	2,	2,	15,					
- Sprains & , 846- 847																
Strains -																
Back	0,	0,	0,	2,	1,	0,	6,	1,	4,	8,	22,					
- Sprains & , 840- 845, 848																
Strains -																
Other	0,	0,	1,	2,	0,	2,	10,	1,	2,	8,	26,					

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

(CONTINUED)

FERNALD 1999

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

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,                   ,                   Job Category
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, Category
, -----%
, -Intracranial, 850-854
, Injury
, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1
, -Open Wound -, 880-887
, Upper Limb
, 0, 0, 0, 0, 0, 0, 1, 0, 1, 2, 4
, -Late Effects, 905-909
, 0, 1, 0, 0, 0, 1, 1, 0, 4, 0, 7
, -Contusion ,920-924
, 0, 0, 0, 0, 0, 0, 2, 0, 2, 1, 5
, -Crushing ,925-929
, Injury
, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1
, -Burns ,940-949
, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1
, -Injury to ,950-957
, Nerves &
, Spinal Cord
, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1
, -Complicatio-, 958-959
, ns &
, Unspecified
, Injuries
, 0, 0, 1, 0, 0, 0, 0, 0, 1, 1, 3
, -Complicatio-, 996-999
, ns of
, Surgical/Med-
, ical Care
, 0, 0, 1, 0, 0, 0, 1, 0, 0, 1, 3
, Total
, 2, 8, 43, 31, 27, 7, 78, 10, 67, 95, 368,
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\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

FERNALD 1999

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

Women											
Diagnostic Category	ICD-9-CM Code										Total
INFECTIOUS & PARASITIC DISEASES (DIS)	,001-139	52	0	0	0	7	17	0	0	0	76
MALIGNANT NEOPLASMS	,140-208, 230-234	0	227	0	72	0	0	0	0	0	299
BENIGN & UNCERTAIN NEOPLASMS	,210-229, 235-239	0	31	42	0	136	100	0	0	49	358
ENDOCRINE/METABOLIC/IMMUNITY	,240-279	0	0	0	18	73	0	0	0	0	125
MENTAL DISORDERS	,290-319	0	87	291	0	303	225	46	0	72	1024
NERVOUS SYSTEM (NS) & SENSE ORGANS	,320-389	0	42	159	0	106	98	0	0	24	429
CIRCULATORY SYSTEM	,390-459	0	0	0	0	90	130	0	0	21	241
RESPIRATORY SYSTEM	,460-519	52	8	182	48	302	397	0	0	38	1027
DIGESTIVE SYSTEM	,520-579	0	15	20	35	141	164	0	0	78	453
GENITOURINARY SYSTEM	,580-629	0	14	59	0	185	229	0	0	110	597
PREGNANCY & CHILDBIRTH	,630-677	0	0	0	0	7	16	0	0	0	23

\*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.

(CONTINUED)



FERNALD 1999

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

Women										
Diagnostic Category	ICD-9-CM Code									
SKIN & SUBCUTANEOUS TISSUE	680-709	0	0	0	14	0	0	0	0	14
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	53	33	225	21	353	536	0	0	77, 1298
CONGENITAL ANOMALIES	740-759	0	0	0	0	27	62	0	0	0, 89
SYMPTOMS, SIGNS, & ILL-DEFINED COND.	780-799	0	0	38	35	190	189	0	0	109, 561
INJURY & POISONING	800-999	0	7	178	134	351	272	0	20	307, 1269

\*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.

(CONTINUED)

FERNALD 1999

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

		Men											
		Job Category											
		Engi- neer- ing, Scie- ntif- ic, & Tech- Admi- nistrative, Prof- essional, Heal- th Care, Supp- ort, Cler- ical, Serv- ice, Secu- rity, Repa- ir, Total											
Diagnostic Category	ICD-9-CM Code												
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	0	0	22	8	0	0	13	33	0	22	98	
MALIGNANT NEOPLASMS	140-208, 230-234	0	98	0	0	97	0	114	0	0	0	309	
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	0	0	0	0	0	0	0	0	62	78	140	
ENDOCRINE/METABOLIC/IMMUNITY	240-279	0	0	0	13	0	7	0	0	22	76	118	
BLOOD & BLOOD FORMING ORGANS	280-289	0	0	0	0	64	0	0	0	0	0	64	
MENTAL DISORDERS	290-319	0	70	144	50	28	0	752	79	96	239	1458	
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	0	0	0	0	0	0	47	0	318	16	381	
CIRCULATORY SYSTEM	390-459	0	56	88	113	99	7	546	0	344	183	1436	
RESPIRATORY SYSTEM	460-519	0	0	48	50	19	7	186	33	281	280	904	
DIGESTIVE SYSTEM	520-579	15	33	190	45	117	0	50	0	14	286	750	

\*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.

(CONTINUED)

FERNALD 1999

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

		Men										
		Job Category										
		Engi-	neer-	ing,	Scie-	ntif-	Nucl-	Admi-	ic, & Tech-	Craft,	ear,	Total,
Diagnostic Category	ICD-9-CM Code											
GENITOURINARY, 580-629	SYSTEM	0	0	10	55	0	0	0	13	0	23	101
SKIN & SUBCUTANEOUS, 680-709	TISSUE	0	0	0	0	47	0	26	0	0	24	97
MUSCULOSKELETAL & CONNECTIVE TISSUE, 710-739	TISSUE	0	17	207	16	80	54	816	12	907	249	2358
CONGENITAL ANOMALIES, 740-759	TISSUE	0	0	0	0	18	0	0	13	0	0	31
SYMPTOMS, SIGNS, & ILL-DEFINED COND., 780-799	TISSUE	15	0	161	11	14	0	77	0	183	114	575
INJURY & POISONING, 800-999	TISSUE	0	7	249	373	135	92	710	40	844	1210	3660

\*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.

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## Appendix L. Age-Adjusted Rates for Selected Diagnostic Categories and All Diagnoses Combined

## Part 1. Age-Adjusted Rates for Selected Diagnostic Categories by Gender from 1993 to 1999

## Rate per 1,000 Men

Men	All Diagnostic Categories			Cancer			Heart/Circulatory		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	119	136	156	<1	2	7	7	11	18
1994	162	183	207	<1	2	7	8	13	20
1995	218	242	269	2	4	9	11	16	23
1996	264	293	326	<1	1	4	10	15	22
1997	310	345	384	3	7	16	10	16	24
1998	314	349	388	1	3	7	21	29	40
1999	280	319	363	2	4	9	12	17	25

Year	Respiratory			Injury		
	Lower	Mid	Upper	Lower	Mid	Upper
1993	18	25	35	22	29	39
1994	22	30	40	33	42	54
1995	20	28	38	44	56	70
1996	29	39	52	72	89	109
1997	29	40	55	66	84	106
1998	23	32	45	76	94	118
1999	33	45	62	81	104	133

## Rate per 1,000 Women

Women	All Diagnostic Categories			Cancer			Heart/Circulatory		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	198	238	286	1	2	9	1	4	11
1994	256	310	375	5	13	29	7	23	79
1995	329	372	420	3	8	22	2	4	10
1996	410	466	530	5	11	26	4	9	21
1997	518	585	660	7	13	23	7	17	40
1998	469	527	591	3	7	21	10	18	33
1999	377	428	486	1	3	13	6	12	26

Year	Respiratory			Injury		
	Lower	Mid	Upper	Lower	Mid	Upper
1993	52	70	93	14	22	36
1994	39	64	105	23	32	44
1995	53	70	92	40	56	78
1996	84	111	148	34	53	82
1997	90	124	172	61	86	122
1998	49	68	94	73	96	126
1999	55	73	99	76	100	131

(CONTINUED)

Appendix L. Age-Adjusted Rates for Selected Diagnostic Categories and All Diagnoses Combined

Part 2. Age-Adjusted Rates for All Diagnostic Categories Combined by Gender and Job Category from 1993 to 1999

Rate per 1,000 Men

Men	Office Management & Administration			Engineering, Scientific, & Health Care			Technical Support			Other Management & Administration		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	24	44	83	53	78	115	39	62	100	22	51	116
1994	43	66	101	54	79	116	76	111	162	96	209	455
1995	60	100	166	78	109	154	45	79	139	108	143	191
1996	38	58	89	24	42	73	220	328	488	111	150	204
1997	68	145	311	75	112	168	144	231	372	112	166	244
1998	45	72	115	63	92	135	194	278	400	135	215	341
1999	42	68	111	64	102	163	208	368	651	104	142	193

Year	Service			Craft & Repair			Nuclear Specialties		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	158	248	392	210	271	350	296	380	487
1994	294	399	541	246	316	408	300	382	486
1995	228	311	426	360	445	550	572	690	832
1996	200	270	366	422	508	611	702	842	1009
1997	301	378	474	450	578	742	781	928	1104
1998	416	511	627	332	444	592	762	910	1088
1999	330	408	506	218	280	360	534	675	853

\*In 1993 there was a job category for "other" workers which did not appear for 1994 through 1999. There were 36 workers in this "other" group. These workers were excluded from the figure presented here.

Rate per 1,000 Women

Women	Office Management & Administration			Engineering, Scientific, & Health Care			Technical Support			Other Management & Administration		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	118	149	187	119	215	390	122	199	324	24	75	234
1994	180	240	321	108	224	462	192	297	458	136	215	342
1995	207	254	312	144	262	475	161	262	425	105	165	259
1996	208	264	337	139	242	421	106	216	438	95	138	202
1997	374	457	560	389	580	865	109	192	338	102	220	473
1998	380	459	554	318	496	776	423	638	962	66	112	191
1999	332	406	498	285	422	625	334	558	932	53	106	212

Year	Service			Craft & Repair			Nuclear Specialties		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	542	858	1359	198	390	771	476	751	1182
1994	504	721	1031	161	310	599	614	921	1382
1995	475	637	854	491	824	1384	1504	1877	2341
1996	969	1189	1458	0	0	0	1492	1859	2317
1997	804	976	1186	323	682	1441	1173	1517	1961
1998	752	917	1118	0	0	0	817	1109	1505
1999	471	596	755	11	76	537	590	846	1214

\*In 1993 there was a job category for "other" workers which did not appear for 1994 through 1999. There were 36 workers in this "other" group. These workers were excluded from the figure presented here.

## FERNALD 1999

## Appendix M Diseases and Injuries 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 & Parasitic Diseases	001-139	7	11.5	5.0	26.8
Malignant Neoplasms	140-208, 230-234	6	3.9	1.8	8.7
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	0	0	0	0
- Genitourinary	179-189	2	1.3	0.3	5.2
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	4	2.6	1.0	6.9
Benign Neoplasms & Other	210-229, 235-239	5	2.6	1.1	6.3
Endocrine & Metabolic Diseases	240-279	5	2.6	1.1	6.3
Blood & Blood-Forming Organs	280-289	1	0.7	0.1	4.6
Mental Disorders	290-319	36	45.7	30.5	68.4
- Alcoholism	303	2	3.0	0.6	15.3
- Drug Abuse	304-305	3	1.5	0.5	4.6
Nervous System & Sense Organs	320-389	6	5.1	1.8	14.5
Circulatory System	390-459	27	17.0	11.5	25.2
- Hypertension	401	11	6.7	3.7	12.5
- Acute Myocardial Infarction	410	1	0.7	0.1	4.6
- Ischemic Disease, not M.I.	411-414, 429.2	6	3.8	1.6	8.9
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	60	45.3	33.2	61.7
- Upper Respiratory	460-465, 470-478	13	10.8	5.3	21.8
- Pneumonia/Bronchitis	466, 480-487	23	18.3	11.2	30.0
- Chronic Respiratory Conditions	490-496	20	11.6	7.3	18.4
Digestive System	520-579	29	16.7	11.5	24.2
- Hernias	550-553	12	6.6	3.7	11.7
- Gallbladder Disease	574-575	3	1.8	0.6	5.5
Genitourinary System	580-629	7	4.1	1.9	9.1
- Benign Prostatic Hypertrophy	600	1	1.1	0.2	7.8
Skin & Subcutaneous Tissue	680-709	4	4.2	1.2	14.3
Musculoskeletal System	710-739	49	38.8	27.2	55.3
- Dorsopathies	720-724	23	19.7	11.5	33.6
Congenital Anomalies	740-759	2	1.2	0.3	4.8
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	21	16.0	9.5	27.2
Injury & Poisoning	800-999	103	103.7	80.9	132.8
- Fractures, All Sites	800-829	14	11.7	6.0	22.7
- Dislocations	830-839	15	14.6	7.7	27.5
- Sprains & Strains	840-848	48	59.7	42.0	84.8
- Intracranial Injuries	850-854	1	0.5	0.1	3.3
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	4	2.1	0.8	5.7
- Other Injuries	900-999	21	15.1	8.8	26.0
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
<b>Total</b>		<b>368</b>	<b>319.0</b>	<b>280.0</b>	<b>363.3</b>

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

## FERNALD 1999

## Appendix M Diseases and Injuries by Diagnostic Category

## 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 & Parasitic Diseases	001-139	4	4.1	1.5	10.9
Malignant Neoplasms	140-208, 230-234	2	2.9	0.7	13.0
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	2	2.9	0.7	13.0
- Genitourinary	179-189	0	0	0	0
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	7	11.3	5.1	24.7
Endocrine & Metabolic Diseases	240-279	4	6.1	2.2	17.3
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	31	43.0	29.0	63.8
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	15	21.8	12.5	38.0
Circulatory System	390-459	8	12.3	5.9	25.5
- Hypertension	401	3	4.3	1.3	14.1
- Acute Myocardial Infarction	410	1	2.0	0.3	14.5
- Ischemic Disease, not M.I.	411-414, 429.2	0	0	0	0
- Cerebrovascular Disease	430-438	2	4.1	1.0	16.4
Respiratory System	460-519	54	73.4	54.5	98.9
- Upper Respiratory	460-465, 470-478	24	32.8	21.1	50.9
- Pneumonia/Bronchitis	466, 480-487	17	25.0	14.5	43.2
- Chronic Respiratory Conditions	490-496	12	13.6	7.4	24.8
Digestive System	520-579	19	26.2	16.0	43.0
- Hernias	550-553	3	3.2	1.0	9.9
- Gallbladder Disease	574-575	5	9.3	3.6	23.9
Genitourinary System	580-629	19	23.1	14.4	37.0
- Endometriosis	617	1	1.1	0.2	8.1
- Ovarian Cysts	620.0-620.2	2	1.8	0.4	7.2
- Female Genital Pain/Bleeding	625-626	9	10.9	5.6	21.4
Pregnancy & Childbirth***	630-639	3	7.9	2.5	24.4
Skin & Subcutaneous Tissue	680-709	1	1.1	0.2	8.1
Musculoskeletal System	710-739	34	53.6	36.2	79.5
- Dorsopathies	720-724	16	23.1	13.3	40.3
Congenital Anomalies	740-759	3	4.7	1.3	16.5
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	27	35.2	23.5	52.8
Injury & Poisoning	800-999	66	100.1	76.4	131.3
- Fractures, All Sites	800-829	14	25.5	14.1	46.4
- Dislocations	830-839	3	5.8	1.8	19.0
- Sprains & Strains	840-848	32	47.3	32.4	69.0
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	1	0.9	0.1	6.4
- Other Injuries	900-999	16	20.6	11.8	36.1
Health Status/Health Serv Contact	V01-V82	1	0.9	0.1	6.4
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	1	0.9	0.1	6.4
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
Total		298	427.8	376.9	485.6

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

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

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## Appendix M Diseases and Injuries 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 & Parasitic Diseases	001-139	11	7.7	3.9	15.4
Malignant Neoplasms	140-208, 230-234	8	3.8	1.9	7.6
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	2	0.8	0.2	3.4
- Genitourinary	179-189	2	1.0	0.2	3.9
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	4	2.0	0.7	5.3
Benign Neoplasms & Other	210-229, 235-239	12	5.4	2.8	10.3
Endocrine & Metabolic Diseases	240-279	9	3.5	1.8	6.8
Blood & Blood-Forming Organs	280-289	1	0.5	0.1	3.5
Mental Disorders	290-319	67	42.7	32.1	57.0
- Alcoholism	303	2	1.6	0.3	7.9
- Drug Abuse	304-305	3	1.0	0.3	3.1
Nervous System & Sense Organs	320-389	21	10.8	6.5	17.8
Circulatory System	390-459	35	15.7	11.1	22.2
- Hypertension	401	14	6.0	3.5	10.4
- Acute Myocardial Infarction	410	2	1.0	0.2	3.9
- Ischemic Disease, not M.I.	411-414, 429.2	6	2.8	1.2	6.7
- Cerebrovascular Disease	430-438	2	1.0	0.2	3.9
Respiratory System	460-519	114	54.4	44.1	67.1
- Upper Respiratory	460-465, 470-478	37	18.0	12.3	26.4
- Pneumonia/Bronchitis	466, 480-487	40	20.3	14.3	28.8
- Chronic Respiratory Conditions	490-496	32	12.7	8.8	18.3
Digestive System	520-579	48	21.4	15.6	29.5
- Hernias	550-553	15	5.8	3.5	9.7
- Gallbladder Disease	574-575	8	5.0	2.2	11.2
Genitourinary System	580-629	26	9.8	6.6	14.6
- Benign Prostatic Hypertrophy	600	1	0.9	0.1	6.1
- Endometriosis	617	1	0.3	0.0	2.3
- Ovarian Cysts	620.0-620.2	2	0.7	0.2	2.7
- Female Genital Pain/Bleeding	625-626	9	3.1	1.6	6.1
Pregnancy & Childbirth***	630-639	3	3.8	1.2	11.7
Skin & Subcutaneous Tissue	680-709	5	2.8	1.0	7.9
Musculoskeletal System	710-739	83	39.8	31.1	50.9
- Dorsopathies	720-724	39	18.4	12.8	26.5
Congenital Anomalies	740-759	5	2.8	1.0	7.9
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	48	21.6	15.7	29.7
Injury & Poisoning	800-999	169	93.7	78.3	112.2
- Fractures, All Sites	800-829	28	14.5	9.5	22.2
- Dislocations	830-839	18	10.9	6.3	18.8
- Sprains & Strains	840-848	80	50.4	38.8	65.6
- Intracranial Injuries	850-854	1	0.3	0.0	2.3
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	5	1.8	0.8	4.5
- Other Injuries	900-999	37	15.7	10.9	22.6
Health Status/Health Serv Contact	V01-V82	1	0.3	0.0	2.4
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	1	0.3	0.0	2.4
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
<b>Total</b>		<b>666</b>	<b>340.4</b>	<b>311.4</b>	<b>372.1</b>

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

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



Appendix N. Relative Risk Estimates for Selected Diagnostic Categories Among 5-Day Absences

Diagnostic Category	Management 50 Person-Years				Administration 128 Person-Years				Professional 325 Person-Years			
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	1	0.1	0.02	1.0	9	0.5	0.2	0.9	35	0.6	0.4	0.9
Infectious & Parasitic Diseases	0				1	3.5	0.5	27.8	1	0.8	0.1	6.5
Benign & Uncertain Neoplasms	0				0				2	1.0	0.2	4.2
Mental Disorders	0				1	0.5	0.1	4.2	3	0.4	0.1	1.4
Nervous System & Sense Organs	0				0				1	0.4	0.1	2.9
Circulatory System	0				1	0.4	0.05	2.7	3	0.5	0.2	1.8
Respiratory System	0				1	0.2	0.03	1.5	6	0.5	0.2	1.1
Digestive System	1	0.9	0.1	6.3	2	0.7	0.2	3.0	7	1.1	0.5	2.4
Genitourinary System	0				0				2	0.5	0.1	2.3
Musculoskeletal & Connective Tissue	0				3	0.8	0.2	2.5	7	0.7	0.3	1.5
Symptoms, Signs, & Ill-Defined Cond.	1	1.1	0.1	8.0	0				4	0.6	0.2	1.8
Injury & Poisoning	0				1	0.1	0.02	1.1	7	0.3	0.2	0.8
Fracture-Lower Limb	0				0				1	0.5	0.1	4.2
Dislocation	0				0				3	1.3	0.4	4.6
Sprains & Strains-Back	0				0				1	0.2	0.02	1.3
Sprains & Strains-Other	0				0				1	0.2	0.03	1.6
Contusion	0				0				0			

\* Persons with multiple absences during the time period were counted only once.

\*\* RR = Relative Risk. Adjusted for age and gender; compared with all job categories.

\*\*\* CI = Confidence Limit

(CONTINUED)

Appendix N. Relative Risk Estimates for Selected Diagnostic Categories Among 5-Day Absences

Diagnostic Category	Engineering, Scientific, & Health Care 402 Person-Years				Technical Support 175 Person-Years				Clerical 251 Person-Years			
	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	35	0.5	0.3	0.7	25	0.9	0.6	1.4	52	1.0	0.7	1.3
Infectious & Parasitic Diseases	1	0.4	0.1	3.6	0				1	0.6	0.1	5.9
Benign & Uncertain Neoplasms	1	0.4	0.1	3.3	0				2	0.8	0.2	3.4
Mental Disorders	6	0.7	0.3	1.6	2	0.5	0.1	2.2	6	0.6	0.2	1.5
Nervous System & Sense Organs	3	1.1	0.3	3.5	0				4	0.8	0.2	2.9
Circulatory System	4	0.6	0.2	1.7	3	1.2	0.4	3.8	5	3.6	1.0	13.6
Respiratory System	8	0.5	0.2	1.0	5	0.8	0.3	2.0	15	1.2	0.6	2.3
Digestive System	3	0.3	0.1	1.1	7	2.4	1.0	5.3	6	1.3	0.4	3.5
Genitourinary System	4	1.1	0.4	3.3	0				6	1.4	0.5	3.7
Musculoskeletal & Connective Tissue	5	0.4	0.1	0.9	3	0.6	0.2	1.7	8	0.8	0.4	1.9
Symptoms, Signs, & Ill-Defined Cond.	4	0.5	0.2	1.4	3	1.1	0.3	3.4	5	0.7	0.3	1.9
Injury & Poisoning	14	0.5	0.3	0.9	7	0.7	0.3	1.4	12	0.7	0.4	1.3
Fracture-Lower Limb	2	0.9	0.2	4.6	0				5	6.7	0.8	54.1
Dislocation	2	0.5	0.1	2.4	1	0.6	0.1	4.2	1	0.6	0.1	5.0
Sprains & Strains-Back	3	0.4	0.1	1.4	1	0.4	0.1	2.5	2	0.3	0.1	1.2
Sprains & Strains-Other	2	0.3	0.1	1.2	1	0.4	0.1	2.8	4	1.0	0.3	3.2
Contusion	0				0				2	1.4	0.3	7.8

\* Persons with multiple absences during the time period were counted only once.

\*\* RR = Relative Risk. Adjusted for age and gender; compared with all job categories.

\*\*\* CI = Confidence Limit

(CONTINUED)

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## Appendix N. Relative Risk Estimates for Selected Diagnostic Categories Among 5-Day Absences

Diagnostic Category	Service 298 Person-Years				Security 34 Person-Years				Craft & Repair 189 Person-Years			
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	80	1.7	1.3	2.2	6	1.1	0.5	2.5	34	1.4	0.9	2.0
Infectious & Parasitic Diseases	3	1.2	0.3	4.5	1	5.3	0.6	45.7	0			
Benign & Uncertain Neoplasms	1	0.5	0.1	4.2	0				2	3.6	0.6	23.1
Mental Disorders	13	1.9	1.0	3.8	3	4.4	1.3	14.3	1	0.4	0.1	2.7
Nervous System & Sense Organs	5	2.2	0.7	6.5	0				2	3.5	0.6	21.8
Circulatory System	2	0.5	0.1	2.3	0				8	2.5	1.1	5.9
Respiratory System	18	1.8	1.0	3.0	1	0.9	0.1	6.5	9	1.6	0.8	3.5
Digestive System	4	0.7	0.3	2.2	0				1	0.2	0.04	1.6
Genitourinary System	4	1.3	0.4	4.0	1	5.0	0.6	39.5	0			
Musculoskeletal & Connective Tissue	21	2.8	1.6	4.8	1	1.0	0.1	7.2	10	2.2	1.1	4.6
Symptoms, Signs, & Ill-Defined Cond.	8	1.5	0.7	3.4	0				6	2.4	0.9	6.3
Injury & Poisoning	33	1.8	1.2	2.8	2	0.9	0.2	3.8	13	1.5	0.8	2.7
Fracture-Lower Limb	2	1.0	0.2	5.3	0				1	1.4	0.1	15.1
Dislocation	5	2.0	0.7	6.3	0				2	1.4	0.3	7.1
Sprains & Strains-Back	10	2.1	1.0	4.7	1	1.9	0.3	14.0	4	2.0	0.6	6.5
Sprains & Strains-Other	11	2.0	0.9	4.7	1	1.6	0.2	11.7	3	1.7	0.5	5.7
Contusion	5	6.6	1.8	23.7	0				2	4.1	0.7	25.2

\* Persons with multiple absences during the time period were counted only once.

\*\* RR = Relative Risk. Adjusted for age and gender; compared with all job categories.

\*\*\* CI = Confidence Limit

(CONTINUED)

Appendix N. Relative Risk Estimates for Selected Diagnostic Categories Among 5-Day Absences

Diagnostic Category	Nuclear Specialties 179 Person-Years				Total Persons with 1+ Event
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	
All Diagnostic Categories	58	2.3	1.7	3.1	335
Infectious & Parasitic Diseases	2	2.3	0.5	11.5	10
Benign & Uncertain Neoplasms	4	6.1	1.8	20.9	12
Mental Disorders	9	3.2	1.5	6.6	44
Nervous System & Sense Organs	2	1.7	0.4	7.8	17
Circulatory System	5	1.8	0.7	4.6	31
Respiratory System	14	2.6	1.4	4.7	77
Digestive System	9	3.3	1.5	7.0	40
Genitourinary System	4	3.2	1.1	9.8	21
Musculoskeletal & Connective Tissue	6	1.0	0.5	2.4	64
Symptoms, Signs, & Ill-Defined Cond.	7	2.5	1.1	5.7	38
Injury & Poisoning	32	3.6	2.4	5.4	121
Fracture-Lower Limb	1	1.0	0.1	7.5	12
Dislocation	3	1.9	0.5	6.3	17
Sprains & Strains-Back	11	5.7	2.8	12.0	33
Sprains & Strains-Other	8	3.1	1.4	7.0	31
Contusion	1	1.5	0.2	12.5	10

\* Persons with multiple absences during the time period were counted only once.

\*\* RR = Relative Risk. Adjusted for age and gender; compared with all job categories.

\*\*\* CI = Confidence Limit

Appendix 0. Sentinel Health Events for Occupations (SHE0)

The following two tables list the disease conditions that have been identified as definitely SHE0s or as possibly SHE0s, respectively (Rutstein DD et al, Sentinel Health Events [Occupational]: A Basis for Physician Recognition and Public Health Surveillance. *American Journal of Public Health*. 1983, 73(9):1054-1062). To make these categories more meaningful to the DOE workplace environment, these two SHE0 categories have been evaluated taking into account workplace exposures in the DOE complex to define two additional groups of diagnoses called *production* and *nonproduction*. These are designated in last column of each table, labelled *DOE Complex Exposure Potential*. Each group is defined as follows:

**Production:** Disease conditions that can result from exposures that may occur during production or cleanup activities within the DOE complex. Twenty-two conditions are included in this group.

**Nonproduction:** Disease conditions that can be related to occupations within the DOE complex but not exposures related to production or cleanup activities. There are 11 conditions in this group.

Conditions for which neither designation has been assigned may occur in the work force but are less likely to be related to exposures in the DOE complex than those conditions with a designation of *production* or *nonproduction*.

Diagnoses - Definitely SHE0s		
ICD-9	Condition	DOE Complex Exposure Potential
155	Hemangiosarcoma of the liver	
158, 163	Mesothelioma (MN of peritoneum and pleura)	Production
187.7	Malignant neoplasm of scrotum	Production
354	Carpal tunnel syndrome	Nonproduction
354.0	Mononeuritis of upper limb and mononeuritis multiplex	
495.4	Maltworker's lung	
495.5	Mushroom worker's lung	
495.8	Grain handler's lung, Sequoiosis	
495.9	Unspecified allergic alveolitis	
500	Coalworker's pneumoconiosis	
501	Asbestosis	Production
502	Silicosis, Talcosis	Production
503	Chronic beryllium disease of the lung	
504	Byssinosis	
506.0	Acute bronchitis, pneumonitis, and pulmonary edema due to fumes and vapors	Nonproduction

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## Appendix N. Sentinel Health Events for Occupations (SHEO)

Diagnoses - Possibly SHEOs		
ICD-9	Condition	DOE Complex Exposure Potential
011	Pulmonary tuberculosis	
011, 502	Silicotuberculosis	Production
020	Plague	
021	Tularemia	
022	Anthrax	
023	Brucellosis	
031.1	Fish-fancier's finger	
054.6	Herpetic whitlow	
037	Tetanus	Nonproduction
042	Human immunodeficiency virus	
056	Rubella	
070.0, 070.1	Hepatitis A	
070.2, 070.3	Hepatitis B	
070.4	Non-A, non-B hepatitis	
071	Rabies	Nonproduction
073	Ornithosis	
082.0	Rocky Mountain spotted fever	
100.8	Leptospirosis	
115	Histoplasmosis	Nonproduction
117.1	Sporotrichosis	
147	Malignant neoplasm of nasopharynx	Nonproduction
160.0	Malignant neoplasm of nasal cavities	Nonproduction
161	Malignant neoplasm of larynx	Production
162	Malignant neoplasm of trachea, bronchus, and lung	Production
170	Malignant neoplasm of bone	Production

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## Appendix N. Sentinel Health Events for Occupations (SHEO)

Diagnoses - Possibly SHEOs		
ICD-9	Condition	DOE Complex Exposure Potential
188	Malignant neoplasm of bladder	Production
189	Malignant neoplasm of kidney, other, and unspecified urinary organs	Nonproduction
204.0	Lymphoid leukemia Acute	Production
205.0	Myeloid leukemia, acute	Production
207.0	Erythroleukemia	Production
283.1	Hemolytic anemia, nonautoimmune	
284.8	Aplastic anemia	Production
288.0	Agranulocytosis or neutropenia	Production
289.7	Methemoglobinemia	Nonproduction
323.7	Toxic encephalitis	Production
332.1	Parkinson's disease (secondary)	
334.3	Cerebellar ataxia	Production
357.7	Inflammatory and toxic neuropathy	Production
366.4	Cataract	Production
388.1	Noise effects on inner ear	Production
443.0	Raynaud's phenomenon (secondary)	Nonproduction
493.0, 507.8	Extrinsic asthma	Nonproduction
570, 573.3	Toxic hepatitis	Production
584, 585	Acute or chronic renal failure	Production
606	Infertility, male	
692	Contact and allergic dermatitis	Production
733.9	Skeletal fluorosis	

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OSHA DATA

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

	Women				Men				
	Age Group				Age Group				
	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
Job Category									
Professional	0	0	0	0	0	0	0	2	2
Engineering,									
Scientific, & Health,									
Care	1	1	0	2	0	0	1	0	1
Technical Support	0	0	0	0	0	0	1	0	1
Clerical	3	0	0	3	0	0	0	0	3
Service	2	2	1	5	2	2	0	0	4
Security	0	0	0	0	0	0	0	1	1
Craft & Repair	0	0	0	0	0	0	2	2	4
Nuclear Specialties	0	1	1	2	0	0	0	0	2
Total	6	4	2	12	2	2	4	5	13

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



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OSHA DATA

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

	Women		Men		Total	
	Days		Days		Days	
	# of Events	# of Restr- Days Lost	# of Events	# of Restr- Days Lost	# of Events	# of Restr- Days Lost
Age Group						
16 - 29	0	0	2	6	2	6
30 - 39	6	67	2	263	8	330
40 - 49	4	77	4	5	8	82
50 +	2	17	5	232	7	249
Total	12	161	13	506	25	667

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OSHA DATA

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

	Women		Men		Total	
	# of Events	Days Lost	# of Events	Days Lost	# of Events	Days Lost
Professional	0	0	2	31	2	31
Engineering, Scientific, & Health Care	2	12	0	1	0	3
Technical Support	0	0	1	0	1	0
Clerical	3	54	0	0	3	54
Service	5	26	4	269	9	295
Security	0	0	1	0	1	0
Craft & Repair	0	0	4	206	4	206
Nuclear Specialties	2	69	0	0	2	69
Total	12	161	13	506	25	667

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

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OSHA DATA

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

Diagnostic Category	Women					Men					Total
	30 - 39	40 - 49	50 +	Total	%	16 - 29	30 - 39	40 - 49	50 +	Total	
NERVOUS SYSTEM (NS) & SENSE ORGANS	1	0	0	1	0	0	0	0	0	1	
- Disorders of											
Peripheral NS	1	0	0	1	0	0	0	0	0	1	
MUSCULOSKELETAL & CONNECTIVE TISSUE	0	0	1	1	0	0	0	1	1	2	
- Rheumatism											
Excluding Back	0	0	1	1	0	0	0	1	1	2	
INJURY & POISONING	5	7	2	14	2	2	4	5	13	27	
- Fracture - Lower Limb	0	0	0	0	0	0	0	3	3	3	
- Dislocation	1	0	0	1	0	0	1	0	1	2	
- Sprains & Strains - Back	0	1	1	2	0	1	0	0	1	3	
- Sprains & Strains - Other	1	3	0	4	0	1	1	0	2	6	
- Open Wound - Head, Neck, Trunk	0	1	0	1	0	0	0	0	0	1	
- Open Wound - Upper Limb	0	0	0	0	0	0	2	0	2	2	
- Open Wound - Lower Limb	1	0	0	1	1	0	0	0	1	2	
- Contusion	1	2	1	4	0	0	0	0	0	4	

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

(CONTINUED)

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OSHA DATA

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

Diagnostic Category	Women					Men				
	Age Group	Age Group	Age Group	Age Group	Total	Age Group	Age Group	Age Group	Age Group	Total
- Foreign Body, 930-939	30 - 39	40 - 49	50 +	Total	29	16 - 29	30 - 39	40 - 49	50 +	Total
- Toxic Effects - Nonmedicinal	0	0	0	0	0	0	0	0	1	1
Total	6	7	3	16	2	2	4	6	14	30

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

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OSHA DATA

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

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.,ffffffffffffffffffffffff...ffffffffffffffffffffffffff†
,
,                               Women
,                               †ffffffffffffffffffffffffff%
,                               ,
,                               Age Group
,                               †ffffffffff...ffffffffff...ffffffffff%
,                               , 30 - 39 , 40 - 49 , 50 + ,
,                               †ffff...ffff~ffff~ffff~ffff~ffff%
,                               , Days, , Days, , Days, ,
,                               , Res-, , Res-, , Res-, ,
,                               , tri -, Days, tri -, Days, tri -, Days,
,                               , cted, Lost, cted, Lost, cted, Lost,
,                               †ffffffffffffffffff...ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff%
, Diagnostic , ICD-9-CM Codes, , , , , , , ,
, Category , , , , , , , ,
, †ffffffffffffffffff~ffffffffffffffffff%
, - Disorders of, 350-359 , , , , , , , ,
, Peripheral NS, , 0, 0, 0, 0, 0, 0,
, †ffffffffffffffffff~ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff%
, - Rheumatism , 725-729 , , , , , , , ,
, Excluding , , , , , , , ,
, Back , , 0, 0, 0, 0, 8, 0,
, †ffffffffffffffffff~ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff%
, - Dislocation , 830-839 , 53, 0, 0, 0, 0, 0,
, †ffffffffffffffffff~ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff%
, - Sprains & , 846-847 , , , , , , , ,
, Strains - , , , , , , , ,
, Back , , 0, 0, 60, 0, 9, 0,
, †ffffffffffffffffff~ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff%
, - Sprains & , 840-845, 848 , , , , , , , ,
, Strains - , , , , , , , ,
, Other , , 6, 0, 77, 0, 0, 0,
, †ffffffffffffffffff~ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff%
, - Open Wound -, 870-879 , , , , , , , ,
, Head, Neck, , , , , , , ,
, Trunk , , 0, 0, 0, 0, 0, 0,
, †ffffffffffffffffff~ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff%
, - Open Wound -, 890-897 , , , , , , , ,
, Lower Limb , , 6, 0, 0, 0, 0, 0,
, †ffffffffffffffffff~ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff%
, - Contusion , 920-924 , 1, 0, 11, 0, 9, 0,
, †ffffffffffffffffff~ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff%
, - Foreign Body, 930-939 , , , , , , , ,
, Entering , , , , , , , ,
, Orifice , , 1, 0, 0, 0, 0, 0,
, †ffffffffffffffffff~ffffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff%

```

\*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.

(CONTINUED)

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OSHA DATA

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

Men									
Age Group									
	16 - 29	30 - 39	40 - 49	50 +					
Days, Res-, tri-, cted, Lost,	Days, Res-, tri-, cted, Lost,	Days, Res-, tri-, cted, Lost,	Days, Res-, tri-, cted, Lost,	Days, Res-, tri-, cted, Lost,					
Diagnostic Category									
- Rheumatism, 725-729									
Excluding Back	0	0	0	0	0	0	79	0	
- Fracture - Lower Limb, 820-829	0	0	0	0	0	0	153	132	
- Dislocation, 830-839	0	0	0	0	0	0	0	0	
- Sprains & Strains - Back, 846-847	0	0	237	15	0	0	0	0	
- Sprains & Strains - Other, 840-845, 848	0	0	26	0	0	0	0	0	
- Open Wound - Upper Limb, 880-887	0	0	0	0	5	0	0	0	
- Open Wound - Lower Limb, 890-897	6	0	0	0	0	0	0	0	
- Foreign Body, 930-939									
Entering Orifice	0	0	0	0	0	0	0	0	
- Toxic Effects - Nonmedicinal, 980-989	0	0	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/age combinations with at least one occurrence appear in this table.

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OSHA DATA

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

Type of Accident	Women					Men					Total
	30 - 39	40 - 49	50 +	Total	%	16 - 29	30 - 39	40 - 49	50 +	Total	
Motor Vehicle, E810-E819	0	2	0	2	0	0	0	0	0	2	0
Traffic	0	2	0	2	0	0	0	0	0	2	0
Falls, E880-E888	2	1	1	4	0	1	1	1	3	7	0
Natural/Environmental Factors, E900-E909	0	0	0	0	0	0	0	0	1	1	0
Submersion/Suffocation/Foreign Bodies, E910-E915	1	0	0	1	1	0	0	1	2	3	0
Other Accidents, E916-E928	3	1	1	5	1	1	3	2	7	12	0

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

OSHA DATA

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

.....  
, Women ,  
, %  
, Age Group ,  
, %  
, 30 - 39 , 40 - 49 , 50 + ,  
, %  
, Days, Days, Days, ,  
, Res-, Res-, Res-, ,  
, tri -, Days, tri -, Days, tri -, Days,  
, cted, Lost, cted, Lost, cted, Lost,  
%  
, Type of , E Codes , , , , , , , , ,  
, Accident , , , , , , , , ,  
%  
, Motor Vehicle, E810-E819 , , , , , , , , ,  
, Traffic , 0, 0, 71, 0, 0, 0,  
%  
, Falls , E880-E888 , 59, 0, 6, 0, 9, 0,  
%  
, Submersion/S-, E910-E915 , , , , , , , , ,  
, Suffocation/F-, , , , , , , , ,  
, Foreign Bodies, , 1, 0, 0, 0, 0, 0,  
%  
, Other , E916-E928 , , , , , , , , ,  
, Accidents , , 7, 0, 0, 0, 8, 0,

\*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.

(CONTINUED)



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OSHA DATA

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

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.,ffffffffffffffffffffffff.....fffffffffffffffffffffffffffffffffffff†
,
,                               Men                               ,
,                               †ffffffffffffffffffffffffffffffffffff%
,                               ,                               ,
,                               Age Group                               ,
,                               †fffffffffff..ffffffffff..ffffffffff..ffffffffff%
,                               , 16 - 29 , 30 - 39 , 40 - 49 , 50 + ,
,                               †fffff..fffff~fffff~fffff~fffff~fffff~fffff~fffff%
,                               , Days, , Days, , Days, , Days, ,
,                               , Res-, , Res-, , Res-, , Res-, ,
,                               , tri -, Days, tri -, Days, tri -, Days, tri -, Days,
,                               , cted, Lost, cted, Lost, cted, Lost, cted, Lost,
,                               †fffffffffffffffffff~fffff~fffff~fffff~fffff~fffff~fffff%
, Type of , E Codes , , , , , , , , , ,
, Accident , , , , , , , , , ,
, †fffffffffffffffffff~ffffffffff%
, Falls , E880- E888 , 0, 0, 26, 0, 0, 0, 31, 0,
, †fffffffffffffffffff~ffffffffff~fffff~fffff~fffff~fffff~fffff~fffff~fffff%
, Natural /Envi -, E900- E909 , , , , , , , , , ,
, ronmental , , , , , , , , , ,
, Factors , , 0, 0, 0, 0, 0, 0, 0, 0,
, †fffffffffffffffffff~ffffffffff~fffff~fffff~fffff~fffff~fffff~fffff~fffff%
, Submersi on/S-, E910- E915 , , , , , , , , , ,
, uffocation/F-, , , , , , , , , ,
, oreign Bodies, , 0, 0, 0, 0, 0, 0, 0, 0,
, †fffffffffffffffffff~ffffffffff~fffff~fffff~fffff~fffff~fffff~fffff~fffff%
, Other , E916- E928 , , , , , , , , , ,
, Accidents , , 6, 0, 237, 15, 5, 0, 201, 132,

```

\*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.

FERNALD 1999

OSHA DATA

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

		Women				
		Job Category				
		Engi-	neer-	ing,	Scie-	ntif-
		ic, &	ear	Heal-	Spec-	th
		Cler-	Serv-	ialt-	ical	ice
		ies , Total,				
Diagnostic Category	ICD-9-CM Code					
NERVOUS	320-389					
SYSTEM (NS) & SENSE ORGANS		0	1	0	0	1
- Disorders of	350-359					
Peripheral NS		0	1	0	0	1
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739					
- Rheumatism	725-729					
Excluding Back		0	0	1	0	1
INJURY & POISONING	800-999					
- Dislocation	830-839	0	1	0	0	1
- Sprains & Strains - Back	846-847					
- Sprains & Strains - Other	840-845, 848					
		1	0	2	1	4
- Open Wound - Head, Neck, Trunk	870-879					
		0	0	1	0	1
- Open Wound - Lower Limb	890-897					
		0	0	1	0	1

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

(CONTINUED)

FERNALD 1999

OSHA DATA

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

```

.,fffffffffffffffffffffffff...fffffffffffffffffffffffffffff†
,
,                               Women
,                               †fffffffffffffffffffffffff...ffffff%
,                               ,
,                               Job Category
,                               †fffff...fffff...fffff...fffff%
,                               ,
,                               ,Engi-, , , , ,
,                               ,neer-, , , , ,
,                               ,ing, , , , ,
,                               ,Scie-, , , , ,
,                               ,ntif-, , , Nucl-, ,
,                               ,ic, &, , , ear , ,
,                               ,Heal-, , , Spec-, ,
,                               , th , Cler-, Serv-, ialt-, ,
,                               ,Care , ical , ice , ies , Total,
,
, †ffffffffffff...ffffffffffff~fffff~fffff~fffff~fffff~fffff%
, Diagnostic , ICD-9- CM Code , , , , , ,
, Category , , , , , ,
, †ffffffffffff~ffffffffffff%
, - Contusion , 920-924 , 2, 1, 0, 1, 4,
, †ffffffffffff~ffffffffffff~fffff~fffff~fffff~fffff~fffff%
, - Foreign Body, 930-939 , , , , , ,
, Entering , , , , , ,
, Orifice , , 1, 0, 0, 0, 1,
, †ffffffffffff<ffffffffffff~fffff~fffff~fffff~fffff~fffff%
, Total , 4, 3, 5, 4, 16,
, †ffffffffffff<ffffffffffff<fffff<fffff<fffff<fffff<fffff

```

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

(CONTINUED)



FERNALD 1999

OSHA DATA

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

,Diagnosti c , ICD-9- CM Code ,	Men						
	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,
, Category	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,
, -Toxic , 980- 989	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,	, , , , , , ,
, Effects - , Nonmedi cinal ,	, 0, 0, 0, 0, 1, 0, 1,						
, Total	, 2, 1, 1, 4, 1, 5, 14,						

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

FERNALD 1999

OSHA DATA

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

Women									
Diagnostic Category	ICD-9-CM Codes								
- Disorders of, 350-359									
Peripheral NS,		0	0	0	0	0	0	0	0
- Rheumatism, 725-729									
Excluding									
Back		0	0	0	0	8	0	0	0
- Dislocation, 830-839		0	0	53	0	0	0	0	0
- Sprains &, 846-847									
Strains -									
Back		0	0	0	0	0	0	69	0
- Sprains &, 840-845, 848									
Strains -									
Other		11	0	0	0	12	0	60	0
- Open Wound -, 870-879									
Head, Neck,									
Trunk		0	0	0	0	0	0	0	0
- Open Wound -, 890-897									
Lower Limb		0	0	0	0	6	0	0	0
- Contusion, 920-924		11	0	1	0	0	0	9	0
- Foreign Body, 930-939									
Entering									
Orifice		1	0	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.

(CONTINUED)

FERNALD 1999

OSHA DATA

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

Men														
Job Category														
	Engineer-	ing,	Scientif-	ic, &	Professi-	Health	Techni cal,	Craft &	onal	Care	Support	Service	Security	Repair
	Days,	Days,	Days,	Days,	Days,	Days,	Days,	Days,	Days,	Days,	Days,	Days,	Days,	Days,
	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-
	tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-	Days, tri-
	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,	cted, Lost,
Diagnostic Category	ICD-9-CM Codes,													
- Rheumatism	725-729													
Excluding														
Back		0	0	0	0	0	0	0	0	0	0	0	0	79
- Fracture -	820-829													
Lower Limb		31	0	0	0	0	0	0	0	0	0	0	0	122
- Dislocation	830-839		0	0	0	0	0	0	0	0	0	0	0	0
- Sprains &	846-847													
Back		0	0	0	0	0	0	237	15	0	0	0	0	0
- Sprains &	840-845, 848													
Other		0	0	0	0	0	0	26	0	0	0	0	0	0
- Open Wound -	880-887													
Upper Limb		0	0	0	0	0	0	0	0	0	0	0	0	5
- Open Wound -	890-897													
Lower Limb		0	0	0	0	0	0	6	0	0	0	0	0	0
- Foreign Body,	930-939													
Entering														
Orifice		0	0	0	0	0	0	0	0	0	0	0	0	0
- Toxic	980-989													
Effects -														
Nonmedicinal		0	0	0	0	0	0	0	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.

FERNALD 1999

OSHA DATA

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

	Men	Women	Total
Number of Occurrences	10	1	11
Percentage	90.9%	9.1%	100%
Job Category			
Engineer	10	1	11
Scientist	0	0	0
Nuclear	0	0	0
Health	0	0	0
Other	0	0	0
Total	10	1	11
Type of Accident			
Motor Vehicle	1	0	1
Falls	0	1	1
Submersion/Suffocation/Foreign Bodies	0	0	0
Other Accidents	0	2	2

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

(CONTINUED)



FERNALD 1999

OSHA DATA

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

	Men								
Type of Accident									
Falls, E880-E888	1	0	1	1	0	0	3		
Natural/Environmental Factors, E900-E909									
Submersion/Suffocation/Foreign Bodies, E910-E915	1	0	0	1	0	0	2		
Other Accidents, E916-E928	0	1	0	2	0	4	7		

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

FERNALD 1999

OSHA DATA

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

		Women							
		Job Category							
		Engineer-	ing,	Scientif-	ic, &	Nuclear	Health	Specialt-	Care, Clerical, Service, ies
Type of Accident	E Codes	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-
Motor Vehicle, E810-E819		11	0	0	0	0	0	60	0
Traffic									
Falls, E880-E888		0	0	53	0	12	0	9	0
Submersion/S-, E910-E915									
uffocation/F-,									
oreign Bodies,		1	0	0	0	0	0	0	0
Other, E916-E928									
Accidents		0	0	1	0	14	0	0	0

\*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.

(CONTINUED)

FERNALD 1999

OSHA DATA

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

Men														
Job Category														
	Engineer-	ing,	Scientif-	ic, &	Professi-	Health	Technical,	Craft &	onal	Care	Support	Service	Security	Repair
Type of Accident	E Codes													
Falls	E880-E888	31	0	0	0	0	0	26	0	0	0	0	0	0
Natural/Environmental Factors	E900-E909													
Submersion/Suffocation/Foreign Bodies	E910-E915													
Other Accidents	E916-E928		0	0	0	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	243	15	0	0	206	132	

\*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.

FERNALD 1999

OSHA DATA

Appendix AA. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Combined and Injury by Gender

Part 1. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Among Women by Job Category from 1993 to 1999\*

Rate per 1,000 Women

Women	Office Management & Administration			Engineering, Scientific, & Health Care			Technical Support			Other Management & Administration		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	8	22	66	1	9	62	6	41	288	0	0	0
1994	10	22	47	0	0	0	41	97	231	7	28	113
1995	1	5	19	2	11	81	0	0	0	1	6	39
1996	8	22	56	1	6	41	3	22	154	0	0	0
1997	7	18	47	0	0	0	9	38	150	1	6	42
1998	0	0	0	2	9	34	7	30	123	0	0	0
1999	2	8	23	9	25	66	0	0	0	0	0	0

Year	Service			Craft & Repair			Nuclear Specialties		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	4	26	181	116	273	643	14	57	227
1994	74	200	540	29	91	282	27	84	262
1995	2	11	81	35	110	347	24	79	254
1996	7	22	68	0	0	0	18	58	185
1997	22	46	97	0	0	0	46	112	274
1998	7	25	91	0	0	0	0	0	0
1999	13	33	82	0	0	0	31	82	219

\*In 1993 there was a job category for "other" workers which did not appear for 1994 through 1999. There were 36 workers in this "other" group. These workers were excluded from the figure presented here.

(CONTINUED)

## FERNALD 1999

## OSHA DATA

## Appendix AA. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Combined and Injury by Gender

## Part 2. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Among Men by Job Category from 1993 to 1999\*

## Rate per 1,000 Men

Men	Office Management & Administration			Engineering, Scientific, & Health Care			Technical Support			Other Management & Administration		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	0	0	0	<1	1	10	11	23	47	0	0	0
1994	1	6	28	3	9	25	10	24	61	1	5	33
1995	2	8	34	4	11	35	<1	3	22	0	0	0
1996	<1	3	21	1	4	30	0	0	0	<1	2	14
1997	1	4	28	11	27	66	<1	3	24	2	10	41
1998	0	0	0	1	7	53	0	0	0	0	0	0
1999	0	0	0	<1	2	14	1	5	38	2	8	34

Year	Service			Craft & Repair			Nuclear Specialties		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	27	63	147	34	61	111	41	73	131
1994	13	33	83	40	66	112	45	78	137
1995	19	46	114	29	55	105	55	94	161
1996	9	22	54	25	56	128	25	49	97
1997	7	19	52	14	40	116	1	10	71
1998	5	16	52	12	26	56	9	28	81
1999	10	24	58	7	17	41	0	0	0

\*In 1993 there was a job category for "other" workers which did not appear for 1994 through 1999. There were 36 workers in this "other" group. These workers were excluded from the figure presented here.

## Part 3. Age-Adjusted Rates for Injury by Gender from 1993 to 1999

## Rate per 1,000

Year	Injury Men			Injury Women		
	Lower	Mid	Upper	Lower	Mid	Upper
1993	15	21	30	12	24	49
1994	16	22	32	18	36	70
1995	17	24	35	7	12	22
1996	10	16	24	9	17	33
1997	11	18	30	12	21	36
1998	6	12	21	3	7	19
1999	6	11	22	10	17	29

FERNALD 1999

OSHA DATA

## Appendix BB. OSHA Diseases and Injuries 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 & Parasitic Diseases	001-139	0	0	0	0
Malignant Neoplasms	140-208, 230-234	0	0	0	0
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	0	0	0	0
- Genitourinary	179-189	0	0	0	0
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	0	0	0	0
Endocrine & Metabolic Diseases	240-279	0	0	0	0
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	0	0	0	0
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	0	0	0	0
Circulatory System	390-459	0	0	0	0
- Hypertension	401	0	0	0	0
- Acute Myocardial Infarction	410	0	0	0	0
- Ischemic Disease, not M.I.	411-414, 429.2	0	0	0	0
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	0	0	0	0
- Upper Respiratory	460-465, 470-478	0	0	0	0
- Pneumonia/Bronchitis	466, 480-487	0	0	0	0
- Chronic Respiratory Conditions	490-496	0	0	0	0
Digestive System	520-579	0	0	0	0
- Hernias	550-553	0	0	0	0
- Gallbladder Disease	574-575	0	0	0	0
Genitourinary System	580-629	0	0	0	0
- Benign Prostatic Hypertrophy	600	0	0	0	0
Skin & Subcutaneous Tissue	680-709	0	0	0	0
Musculoskeletal System	710-739	1	0.7	0.1	4.6
- Dorsopathies	720-724	0	0	0	0
Congenital Anomalies	740-759	0	0	0	0
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	0	0	0	0
Injury & Poisoning	800-999	13	11.1	5.5	22.1
- Fractures, All Sites	800-829	3	2.0	0.6	6.1
- Dislocations	830-839	1	0.5	0.1	3.3
- Sprains & Strains	840-848	3	1.6	0.5	4.9
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	3	3.3	0.8	14.6
- Other Injuries	900-999 Injuries	3	3.7	1.0	14.6
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
<b>Total</b>		<b>14</b>	<b>11.7</b>	<b>6.0</b>	<b>22.8</b>

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

FERNALD 1999

## Appendix BB. OSHA Diseases and Injuries by Diagnostic Category

## 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 & Parasitic Diseases	001-139	0	0	0	0
Malignant Neoplasms	140-208, 230-234	0	0	0	0
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	0	0	0	0
- Genitourinary	179-189	0	0	0	0
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	0	0	0	0
Endocrine & Metabolic Diseases	240-279	0	0	0	0
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	0	0	0	0
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	1	0.9	0.1	6.4
Circulatory System	390-459	0	0	0	0
- Hypertension	401	0	0	0	0
- Acute Myocardial Infarction	410	0	0	0	0
- Ischemic Disease, not M.I.	411-414, 429.2	0	0	0	0
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	0	0	0	0
- Upper Respiratory	460-465, 470-478	0	0	0	0
- Pneumonia/Bronchitis	466, 480-487	0	0	0	0
- Chronic Respiratory Conditions	490-496	0	0	0	0
Digestive System	520-579	0	0	0	0
- Hernias	550-553	0	0	0	0
- Gallbladder Disease	574-575	0	0	0	0
Genitourinary System	580-629	0	0	0	0
- Endometriosis	617	0	0	0	0
- Ovarian Cysts	620.0-620.2	0	0	0	0
- Female Genital Pain/Bleeding	625-626	0	0	0	0
Pregnancy & Childbirth***	630-639	0	0	0	0
Skin & Subcutaneous Tissue	680-709	0	0	0	0
Musculoskeletal System	710-739	1	2.0	0.3	14.5
- Dorsopathies	720-724	0	0	0	0
Congenital Anomalies	740-759	0	0	0	0
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	0	0	0	0
Injury & Poisoning	800-999	14	16.5	9.5	28.6
- Fractures, All Sites	800-829	0	0	0	0
- Dislocations	830-839	1	0.9	0.1	6.4
- Sprains & Strains	840-848	6	7.5	3.3	17.2
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	2	2.0	0.5	8.2
- Other Injuries	900-999	5	6.1	2.4	15.5
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
Total		16	19.5	11.6	32.7

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

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

Appendix BB. OSHA Diseases and Injuries 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 & Parasitic Diseases	001-139	0	0	0	0
Malignant Neoplasms	140-208, 230-234	0	0	0	0
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	0	0	0	0
- Genitourinary	179-189	0	0	0	0
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	0	0	0	0
Endocrine & Metabolic Diseases	240-279	0	0	0	0
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	0	0	0	0
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	1	0.3	0.0	2.4
Circulatory System	390-459	0	0	0	0
- Hypertension	401	0	0	0	0
- Acute Myocardial Infarction	410	0	0	0	0
- Ischemic Disease, not M.I.	411-414, 429.2	0	0	0	0
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	0	0	0	0
- Upper Respiratory	460-465, 470-478	0	0	0	0
- Pneumonia/Bronchitis	466, 480-487	0	0	0	0
- Chronic Respiratory Conditions	490-496	0	0	0	0
Digestive System	520-579	0	0	0	0
- Hernias	550-553	0	0	0	0
- Gallbladder Disease	574-575	0	0	0	0
Genitourinary System	580-629	0	0	0	0
- Benign Prostatic Hypertrophy	600	0	0	0	0
- Endometriosis	617	0	0	0	0
- Ovarian Cysts	620.0-620.2	0	0	0	0
- Female Genital Pain/Bleeding	625-626	0	0	0	0
Pregnancy & Childbirth***	630-639	0	0	0	0
Skin & Subcutaneous Tissue	680-709	0	0	0	0
Musculoskeletal System	710-739	2	1.0	0.2	3.9
- Dorsopathies	720-724	0	0	0	0
Congenital Anomalies	740-759	0	0	0	0
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	0	0	0	0
Injury & Poisoning	800-999	27	12.0	7.8	18.4
- Fractures, All Sites	800-829	3	1.5	0.5	4.6
- Dislocations	830-839	2	0.7	0.2	2.7
- Sprains & Strains	840-848	9	3.2	1.6	6.1
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	5	2.6	0.9	7.6
- Other Injuries	900-999	8	4.1	1.8	9.1
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
<b>Total</b>		<b>30</b>	<b>13.3</b>	<b>8.9</b>	<b>19.9</b>

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

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



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Appendix CC. Relative Risk Estimates for Selected Diagnostic Categories Among OSHA Events

Diagnostic Category	Management 50 Person-Years				Administration 128 Person-Years				Professional 325 Person-Years			
	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	0				0				2	0.5	0.1	2.0
Injury & Poisoning	0				0				2	0.5	0.1	2.3

Diagnostic Category	Engineering, Scientific, & Health Care 402 Person-Years				Technical Support 175 Person-Years				Clerical 251 Person-Years			
	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	3	0.6	0.2	1.9	1	0.5	0.1	3.9	3	0.6	0.2	2.4
Injury & Poisoning	3	0.6	0.2	2.2	1	0.6	0.1	4.4	2	0.5	0.1	2.4

Diagnostic Category	Service 298 Person-Years				Security 34 Person-Years				Craft & Repair 189 Person-Years			
	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	9	3.5	1.4	9.0	1	2.7	0.4	20.2	4	2.7	0.8	9.1
Injury & Poisoning	8	3.6	1.3	9.6	1	3.0	0.4	22.4	3	2.0	0.5	7.8

Diagnostic Category	Nuclear Specialties 179 Person-Years				Total Persons with 1+ Event
	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	
All Diagnostic Categories	2	1.0	0.2	3.9	25
Injury & Poisoning	2	1.1	0.3	4.5	22

\* Persons with multiple absences during the time period were counted only once.

\*\* RR = Relative Risk. Adjusted for age and gender; compared with all job categories.

\*\*\* CI = Confidence Limit