

HANFORD 1997

Appendix A. Work Force by Gender, Age, and Occupation

	Women					Men					
											%
	Age Group					Age Group					
	16 -	30 -	40 -	50 +	Total	16 -	30 -	40 -	50 +	Total	Total
Occupational Group											
Administrative	304	626	886	527	2343	81	453	1040	765	2339	4682
Professional	69	248	212	82	611	192	953	1354	832	3331	3942
Technical	80	152	112	60	404	98	344	258	130	830	1234
Other/Unknown											
Salaries	34	79	75	36	224	64	150	235	167	616	840
Service	2	25	40	37	104	21	85	97	64	267	371
Security	1	6	2	5	14	13	80	85	22	200	214
Crafts and Manual Labor	2	15	20	7	44	11	156	410	256	833	877
Nuclear	22	62	52	22	158	89	306	233	63	691	849
Other/Unknown	309	214	177	118	818	216	236	290	278	1020	1838
Total	823	1427	1576	894	4720	785	2763	4002	2577	10127	14847

**Appendix B. Most Common Job Titles in Each Occupational Group**

(to be inserted later)

**HANFORD 1997****Appendix C. Work Force Demographics****Part 1. Percentage of Men in Different Age Groups, 1993 to 1997**

Year	16-29	30-39	40-49	50+
1993	13	30	31	26
1994	13	29	31	27
1995	12	29	34	25
1996	8	28	37	27
1997	8	27	40	25

**Part 2. Percentage of Women in Different Age Groups, 1993 to 1997**

Year	16-29	30-39	40-49	50+
1993	29	28	26	17
1994	29	28	26	17
1995	26	29	29	16
1996	19	29	33	19
1997	18	30	33	19

**Part 3. Percentage of Men in Different Occupational Groups, 1993 to 1997**

Year	Administration	Professional	Technical	Other/ Unknown Salaried	Service	Security	Crafts and Manual Labor	Nuclear	Other/ Unknown
1993	18	35	15	*	7	**	12	7	6
1994	24	33	11	3	7	**	10	3	9
1995	27	36	10	1	4	1	12	5	4
1996	25	38	10	1	3	2	13	6	2
1997	23	33	8	6	3	2	8	7	10

\* These employees were included in various categories in 1993

\*\*These employees were included in service category 1993 through 1994

**Part 4. Percentage of Women in Different Occupational Groups, 1993 to 1997**

Year	Administration	Professional	Technical	Other/ Unknown Salaried	Service	Security	Crafts and Manual Labor	Nuclear	Other/ Unknown
1993	56	12	12	*	3	**	1	3	13
1994	55	12	10	2	3	**	1	2	15
1995	59	15	9	2	3	<1	1	2	9
1996	61	16	10	1	3	<1	2	3	4
1997	50	13	9	5	2	<1	1	3	17

\* These employees were included in various categories in 1993

\*\*These employees were included in service category 1993 through 1994

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

	Women					Men						
	Age Group					Age Group						
	16 -	29	30 -	39	40 -	16 -	29	30 -	39	40 -	Total	
Occupational Group												
Administrative												
Professional	3	10	11	13	37	3	34	43	28	108	145	
Technical	8	21	11	6	46	6	25	19	8	58	104	
Other/Unknown												
Salaries	2	2	1	1	6	2	2	1	4	9	15	
Service	0	10	13	14	37	4	13	19	11	47	84	
Security	0	1	0	1	2	0	9	9	4	22	24	
Crafts and Manual Labor	1	1	6	5	13	2	14	64	44	124	137	
Nuclear	5	18	10	8	41	13	47	34	13	107	148	
Other/Unknown	0	10	8	7	25	4	4	7	11	26	51	
Total	32	125	133	94	384	34	161	227	149	571	955	

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

	Women					Men					
	Age Group					Age Group					
	16 -	29	30 -	39	40 -	16 -	29	30 -	39	40 -	Total
Occupational Group											
Administrative	13	60	80	46	199	0	15	34	27	76	275
Professional	3	12	13	16	44	3	36	47	30	116	160
Technical	9	21	15	8	53	6	29	23	9	67	120
Other/Unknown											
Salari ed	2	2	1	1	6	2	2	1	4	9	15
Service	0	12	20	16	48	5	18	25	11	59	107
Security	0	1	0	2	3	0	11	9	4	24	27
Crafts and Manual Labor	2	2	7	7	18	2	16	74	51	143	161
Nuclear	5	20	17	9	51	16	56	42	14	128	179
Other/Unknown	0	12	9	7	28	4	5	8	13	30	58
Total	34	142	162	112	450	38	188	263	163	652	1102

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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 -	50 +	Total	16 -	30 -	40 -	50 +	Total	Total
# of Calendar Days											
< 15	10	45	57	39	151	28	100	123	71	322	473
15 - 28	9	38	37	28	112	7	46	62	37	152	264
29 - 42	7	19	21	13	60	0	13	32	22	67	127
43 - 56	1	18	17	15	51	2	12	24	10	48	99
57 - 91	2	11	14	8	35	1	10	11	14	36	71
92 - 182	4	11	12	9	36	0	7	9	8	24	60
183 +	1	0	4	0	5	0	0	2	1	3	8
Total	34	142	162	112	450	38	188	263	163	652	1102

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Appendix G. Distribution of the Number of Calendar Days Missed per Absence by Gender and Occupation

Women										
Occupational Group										
	Admin-	Profe-	own							
	tion	ssion	Techn	Sal ar-	Servi-	Secur-	Manual	Nucle-	/Unkn-	Total
	al	ical	ied	ce	ity	Labor	ar	own		
# of										
Calendar										
Days										
< 15	61,	17,	19,	4,	16,	0,	8,	18,	8,	151,
15 - 28	51,	11,	12,	1,	14,	0,	3,	13,	7,	112,
29 - 42	26,	7,	7,	0,	4,	2,	1,	10,	3,	60,
43 - 56	22,	3,	6,	0,	8,	1,	3,	5,	3,	51,
57 - 91	15,	3,	6,	1,	2,	0,	0,	4,	4,	35,
92 - 182	21,	3,	3,	0,	3,	0,	3,	1,	2,	36,
183 +	3,	0,	0,	0,	1,	0,	0,	0,	1,	5,
Total	199,	44,	53,	6,	48,	3,	18,	51,	28,	450,

(CONTINUED)

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Appendix G. Distribution of the Number of Calendar Days Missed per Absence by Gender and Occupation

Men											
Occupational Group											
	Other-	Admin-	Profession-	Technical	Salari-	Service	Security	Manual	Nuclear	/Unkn-	Total
# of											
Calendar											
Days											
< 15	36,	62,	37,	2,	35,	9,	55,	70,	16,	322,	
15 - 28	17,	30,	18,	3,	10,	6,	27,	36,	5,	152,	
29 - 42	13,	10,	8,	3,	4,	3,	13,	11,	2,	67,	
43 - 56	7,	4,	2,	0,	6,	1,	20,	7,	1,	48,	
57 - 91	1,	7,	2,	1,	2,	2,	14,	3,	4,	36,	
92 - 182	2,	3,	0,	0,	1,	3,	13,	1,	1,	24,	
183 +	0,	0,	0,	0,	1,	0,	1,	0,	1,	3,	
Total	76,	116,	67,	9,	59,	24,	143,	128,	30,	652,	



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

Diagn- ICD-9- ostic CM Categ- Code ory	Women					Men				
	16 - 29	30 - 39	40 - 49	50 + al	Tot- al	16 - 29	30 - 39	40 - 49	50 + al	Tot- al
-Inte- 001- stinal, 009 Infec- tious Dis	0	1	2	0	3	0	0	0	0	0
-Other, 030- Bacte- 041 rial Dis	0	0	2	0	2	0	3	2	1	6
-Polio, 045- & 049 Other Viral CNS Dis	0	1	0	0	1	0	0	0	0	0
-Viral, 050- Dis 057 with Exant- hem	0	1	2	2	5	0	1	1	2	4
-Other, 070- Viral 079 Dis & Chlam- ydiae	1	4	0	5	10	0	12	8	2	22

\*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				
	Age Group					Age Group				
	16 - 29	30 - 39	40 - 49	50 +	al	16 - 29	30 - 39	40 - 49	50 +	al
Diagn-ICD-9-										
ostic ,CM										
Categ- Code										
ory										
-Other, 130-										
Infec-, 136										
tions										
&										
Paras-										
itic										
Dis	0	1	0	0	1	0	1	0	0	1
MALIG-, 140-										
NANT , 208,										
NEOPL-, 230-										
ASMS , 234	0	4	5	3	12	0	0	1	12	13
-Dige-, 150-										
stive , 159										
&										
Perit-										
oneal	0	0	0	1	1	0	0	0	1	1
-Resp-, 160-										
irato-, 165										
ry &										
Intra-										
thora-										
cic	0	0	0	0	0	0	0	0	1	1
-Bone-, 170-										
Conne-, 173,										
ctive , 176										
Tissu-										
e,										
Skin	0	0	0	0	0	0	0	0	2	2
-Brea-, 174-										
st , 175	0	2	4	0	6	0	0	0	0	0
-Geni-, 179-										
touri-, 189										
nary	0	2	0	1	3	0	0	0	5	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				
	Age Group					Age Group				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
Diagn- ICD-9-										
ostic ,CM										
Categ- Code										
ory ,										
-Other, 190,										
& ,193-										
Unspe-, 199										
cified,										
Sites ,	0,	0,	1,	1,	2,	0,	0,	0,	3,	3,
BENIGN, 210-										
& ,229,										
UNCER-, 235-										
TAIN ,239										
NEOPL-										
ASMS ,	0,	9,	10,	2,	21,	0,	1,	2,	2,	5,
ENDOC-, 240-										
RINE/-, 279										
METAB-										
OLIC/-,										
IMMUN-										
ITY ,	2,	4,	1,	6,	13,	0,	1,	7,	2,	10,
-Thyr-, 240-										
oid ,246										
Gland ,										
Disor-,										
ders ,	1,	2,	0,	1,	4,	0,	1,	0,	1,	2,
-Other, 250-										
Endoc-, 259										
rine ,										
Gland ,										
Dis ,	1,	0,	1,	2,	4,	0,	0,	4,	1,	5,
-Other, 270-										
Metab-, 279										
olic &										
Immun-										
ity ,										
Disor-,										
ders ,	0,	2,	0,	3,	5,	0,	0,	3,	0,	3,

\*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\*

Diagn- ostic Cate- gory	Women					Men				
	16 - 29	30 - 39	40 - 49	50 + al	Tot- al	16 - 29	30 - 39	40 - 49	50 + al	Tot- al
BLOOD- & BLOOD- FORM- NG ORGANS,										
MENTAL, DISOR- DERS		7	12	14	6	39	3	8	12	3
-Psyc- hoses	0	1	4	0	5	1	1	3	1	6
- Non- Psych- otic Disor- ders		7	11	10	6	34	2	6	5	2
- Drug Depen- dence		0	0	0	0	0	0	1	4	0
NERVO- US SYSTEM (NS) & SENSE ORGANS,		2	13	15	9	39	1	9	18	10
- Infl- ammat- ory Dis of Centr- al NS		0	0	0	0	0	0	1	1	0

\*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				
	Age Group					Age Group				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
Diagn-ICD-9-ostic, CM										
Category, Code										
ory										
-Here-, 330-										
di tar-, 337										
y/Deg-										
enera-										
tive										
Centr-										
al NS										
Dis	0	0	0	0	0	0	0	0	4	4
-Other, 340-										
Disor-, 349										
ders										
of										
Centr-										
al NS	0	3	2	0	5	0	2	1	0	3
-Di so-, 350-										
rders, 359										
of										
Perip-										
heral										
NS	1	9	10	1	21	0	3	8	7	18
-Di so-, 360-										
rders, 379										
of Eye,	0	1	0	7	8	0	0	0	3	3
-Dis , 380-										
of Ear, 389										
&										
Masto-										
id	1	0	3	1	5	1	3	4	0	8
CIRCU-, 390-										
LATORY, 459										
SYSTEM	0	3	8	8	19	1	7	29	18	55
-Chro-, 393-										
nic , 398										
Rheum-										
atic										
Heart										
Dis	0	0	0	0	0	0	0	1	0	1

\*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				
	Age Group					Age Group				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
Diagnoses, ICD-9-CM, Category, Code										
-Hypertensive, 401-405	0	0	3	5	8	0	3	7	3	13
-Ischemic Heart Disease, 410-414	0	0	2	1	3	0	1	12	10	23
-Other Heart Disease, 420-429	0	0	1	0	1	1	0	2	2	5
-Cerebrovascular Disease, 430-438	0	0	0	1	1	0	0	2	1	3
-Diseases of Arteries & Capillaries, 440-448	0	0	1	0	1	0	0	0	1	1
-Diseases of Veins, Lymphatics, & Other, 451-459	0	3	1	1	5	0	3	5	1	9
RESPIRATORY SYSTEM, Acute, 460-466	5	19	30	19	73	18	34	63	25	140
-Acute Respiratory Infections, 460-466	4	7	6	4	21	8	13	19	5	45

\*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\*

	Women					Men					
	Age Group					Age Group					
	16 -	30 -	40 -	Tot-	al	16 -	30 -	40 -	Tot-	Tot-	
	29	39	49	50 +		29	39	49	50 +	al	
Diagn- ICD-9-											
ostic ,CM											
Categ- Code											
ory											
-Other, 470-											
Dis , 478											
Upper											
Respi -											
ratory,											
Tract	1,	2,	3,	2,	8,	1,	3,	14,	2,	20,	28,
-Pneu-, 480-											
monia , 487											
&											
Influ-											
enza	0,	3,	7,	7,	17,	4,	9,	18,	12,	43,	60,
-Chro-, 490-											
nic , 496											
Obstr-											
uctive,											
Dis	0,	7,	11,	5,	23,	5,	8,	11,	6,	30,	53,
-Other, 510-											
Respi - , 519											
ratory,											
Dis	0,	0,	3,	1,	4,	0,	1,	1,	0,	2,	6,
DIGES-, 520-											
TIVE , 579											
SYSTEM	7,	27,	26,	19,	79,	3,	33,	47,	30,	113,	192,
-Oral , 520-											
Cavit-, 529											
y,											
Saliva,											
Gland-											
s, Jaw,	1,	1,	2,	1,	5,	0,	1,	2,	0,	3,	8,
-Esop-, 530-											
hagus, , 537											
Stoma-											
ch,											
Duode-											
num	1,	4,	7,	3,	15,	0,	6,	7,	3,	16,	31,

\*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\*

Diagn- ostic Categor- y	Women					Men				
	Age Group					Age Group				
	16 - 29	30 - 39	40 - 49	50 + al	Tot- al	16 - 29	30 - 39	40 - 49	50 + al	Tot- al
-Appen- dix 540- 543										
-Hern- ia 550- 553	0	5	1	5	11	1	14	16	12	43
-Ente- ritis 555- 558	1	5	3	1	10	0	3	3	4	10
-Other Intes- tinal 560- 569	2	0	3	2	7	1	2	4	5	12
-Other Digest- ive 570- 579	1	10	9	7	27	1	5	11	6	23
GENIT- OURIN- ARY 580- 629	6	18	25	25	74	1	6	10	9	26
-Neph- ritis 580- 589	0	0	0	0	0	0	0	0	1	1
-Other Urina- ry Dis. 590- 599	1	0	3	10	14	0	4	8	4	16
-Male Genit- al 600- 608	0	0	0	0	0	1	1	2	4	8

\*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\*

	Women					Men				
	Age Group					Age Group				
	16 -	29 -	39 -	49 -	50 +	16 -	29 -	39 -	49 -	50 +
	al					al				
Diagn- ICD-9-										
ostic ,CM										
Categ- Code										
ory										
-Brea- ,610-										
st ,611										
Disor-										
ders	2,	0,	2,	2,	6,	0,	1,	0,	0,	1,
-Pelv- ,614-										
ic ,616										
Infla-										
mmato-										
ry Dis,	0,	3,	1,	1,	5,	0,	0,	0,	0,	0,
-Other, 617-										
Female, 629										
Disor-										
ders	3,	15,	19,	12,	49,	0,	0,	0,	0,	0,
PREGN- ,630-										
ANCY & ,677										
CHILD-										
BIRTH ,	0,	4,	1,	0,	5,	0,	0,	0,	0,	0,
-Ecto- ,630-										
pic & ,633										
Molar ,										
Pregn-										
ancy ,	0,	1,	0,	0,	1,	0,	0,	0,	0,	0,
-Preg- ,634-										
nancy ,639										
with ,										
Abort-										
ive										
Outco-										
me ,	0,	3,	1,	0,	4,	0,	0,	0,	0,	0,
SKIN & ,680-										
SUBCU- ,709										
TANEO-										
US										
TISSUE,	0,	0,	2,	3,	5,	1,	4,	4,	1,	10,
-Infe- ,680-										
ctions, 686	0,	0,	2,	0,	2,	1,	2,	2,	1,	6,

\*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				
	Age Group					Age Group				
	16 - 29	30 - 39	40 - 49	50 +	al	16 - 29	30 - 39	40 - 49	50 +	al
Diagn- ICD-9- ostic , CM Categ- Code ory										
-Other, 690- Infla-, 698 mmato-, ry Condi - tions	0	0	0	3	3	0	0	0	0	3
-Other, 700- , 709	0	0	0	0	0	0	2	2	0	4
MUSCU-, 710- LOSKE-, 739 LETAL & CONNE- CTIVE TISSUE	3	24	35	31	93	8	52	57	39	156
- Arth-, 710- ropat-, 719 hies	2	1	11	14	28	1	8	21	15	45
-Dors-, 720- opath-, 724 ies	0	10	14	7	31	6	31	28	18	83
-Rheu-, 725- matis-, 729 m Exclu- ding Back	1	10	10	9	30	0	7	6	6	19
-Other, 730- Dis & , 739 Acqui - red Deform- mities	0	3	0	1	4	1	6	2	0	9

\*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				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
Diagn- ICD-9-										
ostic ,CM										
Categ- Code										
ory										
CONGE- ,740-										
NITAL ,759										
ANOMA-										
LIES	1,	0,	2,	0,	3,	0,	2,	2,	0,	4,
SYMPT- ,780-										
OMS, ,799										
SIGNS,										
& ILL-										
DEFIN-										
ED										
COND.	6,	9,	12,	10,	37,	0,	9,	18,	11,	38,
-Symp- ,780-										
toms ,789	5,	9,	9,	8,	31,	0,	7,	17,	9,	33,
- Non- ,790-										
Speci- ,796										
fic										
Abnor-										
mal										
Findi-										
ngs	1,	0,	2,	1,	4,	0,	2,	1,	2,	5,
- Ill- ,797-										
Defin- ,799										
ed &										
Unkno-										
wn										
Causes,	0,	0,	1,	1,	2,	0,	0,	0,	0,	0,
INJURY, 800-										
AND ,999										
POISO-										
NING	6,	28,	33,	13,	80,	13,	67,	65,	44,	189,
-Frac- ,800-										
ture - ,804										
Skull	0,	0,	1,	0,	1,	1,	0,	1,	0,	2,

\*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\*

Diagn- ostic Categor- y	Women					Men				
	16 - 29	30 - 39	40 - 49	50 + al	Tot- al	16 - 29	30 - 39	40 - 49	50 + al	Tot- al
Neck, Trunk	0	2	0	1	3	0	5	4	7	16
Upper Limb	0	3	2	2	7	0	2	4	4	10
Lower Limb	2	2	1	1	6	2	4	4	2	12
Disl- ocati- on	0	2	5	1	8	2	3	9	6	20
Sprai- ns & Strai- ns - Back	0	7	7	0	14	2	14	6	4	26
Sprai- ns & Strai- ns - Other	0	3	8	0	11	3	21	12	12	48
Intr- acran- ial Injury	1	0	0	1	2	0	1	0	0	1

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

(CONTINUED)

HANFORD 1997

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

	Women					Men					
	Age Group					Age Group					
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total	
Diagn- ICD-9-											
ostic ,CM											
Categ , Code											
ory ,											
-Inte-, 860-											
rnal , 869											
Injury,											
Thora-											
x,											
Abdom ,											
en,											
Pelvis,	0	0	0	0	0	1	0	1	2	2	
- Open , 870-											
Wound , 879											
Head,											
Neck,											
Trunk ,	0	1	0	0	1	0	2	1	1	4	5
- Open , 880-											
Wound , 887											
Upper ,											
Lim b ,	0	0	0	0	0	1	2	0	3	3	
- Open , 890-											
Wound , 897											
Lower ,											
Lim b ,	0	0	0	0	0	3	1	1	5	5	
- Late , 905-											
Effec-, 909											
ts	0	4	0	0	4	1	2	3	1	7	11
- Supe-, 910-											
rifi ci-, 919											
al											
Injury,	0	0	1	0	1	0	0	1	0	1	2
- Cont-, 920-											
usion , 924	1	0	0	0	1	0	2	4	1	7	8
- Crus-, 925-											
hing , 929											
Injury,	0	0	0	0	0	0	0	1	0	1	1
- Burns, 940-											
, 949	0	0	1	0	1	0	0	0	0	0	1

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

(CONTINUED)

HANFORD 1997

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
- Injurious to Nerves, & Spinal Cord	1	0	0	0	1	1	0	1	0	2
- Complications & Unspecified Injuries	1	3	4	4	12	0	2	8	2	12
- Toxic Effects of Nonmedical	0	0	1	0	1	0	0	1	0	1
- Unspecified External Causes	0	0	1	3	4	1	0	0	0	1
- Complications of Surgical/Medical Care	0	1	1	0	2	0	4	2	2	8

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

(CONTINUED)

HANFORD 1997

Appendix H. Number of Diagnoses 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 +		
Diagn- ICD-9-											
ostic CM											
Categ- Code											
ory											
HEALTH, V01-											
STATU-, V82											
S/HEA-											
LTH											
SERVI-											
CE											
CONTA-											
CT	0	5	6	5	16	0	2	2	7	11	27
-Pers-, V10-											
onal & V19											
Family,											
Histo-											
ry	0	1	2	0	3	0	0	1	4	5	8
- Heal -, V20-											
th V29											
Servi-											
ces											
Repro-											
ducti-											
on/De-											
velop-											
ment	0	1	0	0	1	0	1	1	0	2	3
- Heal -, V40-											
th V49											
Status,	0	0	1	0	1	0	0	0	2	2	3
- Spec-, V50-											
ific V59											
Proce-											
dures-											
/Afte-											
rcare	0	3	3	5	11	0	1	0	1	2	13
Total	46	188	234	166	634	49	252	348	218	867	1501

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

HANFORD 1997

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

	Women					Men				
	Age Group					Age Group				
	16 -	29 -	39 -	49 -	50 +	16 -	29 -	39 -	49 -	50 +
Diagnos- tic Category, † Infecti- ons/Par- asites	11,	179,	221,	259,	670,	0,	178,	102,	83,	363,
Cancers	0,	212,	277,	254,	743,	0,	0,	38,	607,	645,
Beni gn Growths	0,	348,	582,	50,	980,	0,	20,	30,	29,	79,
Endocri- ne/Meta- bolic	111,	347,	96,	430,	984,	0,	14,	117,	481,	612,
Blood	0,	7,	104,	0,	111,	0,	0,	0,	0,	111,
Mental	297,	802,	1349,	514,	2962,	35,	453,	304,	228,	1020,
Nervous System	78,	740,	1066,	184,	2068,	11,	199,	953,	404,	1567,
Heart/C- irculat- ory	0,	57,	412,	287,	756,	16,	242,	783,	1156,	2197,
Lung/Re- spirato- ry	53,	209,	470,	233,	965,	156,	409,	808,	319,	1692,
Di gesti- ve	246,	1032,	799,	412,	2489,	70,	603,	870,	487,	2030,
Geni tou- rinary	167,	609,	868,	743,	2387,	10,	77,	201,	168,	456,
M scarr- iage	0,	101,	46,	0,	147,	0,	0,	0,	0,	147,
Skin	0,	0,	33,	33,	66,	12,	82,	88,	26,	208,
Muscles and Skeleton	83,	826,	1112,	1030,	3051,	176,	1260,	1736,	1082,	4254,

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

(CONTINUED)



HANFORD 1997

Appendix I. Total Number of Calendar Days Absent 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
Unspecified Symptoms	248	251	393	156	1048	0	109	242	130	481
Injury and Poisoning	387	567	862	395	2211	122	1588	2020	1195	4925

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

HANFORD 1997

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

Women												
Occupational Group												
	Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-	
	on	onal	nical	ried	ice	rity	Labor	ear	known	Total		
Diagnostic Category												
ICD-9-CM Code												
INFECTIONOUS & PARASITIC DISEASES (DIS)	8	3	3	0	4	0	1	3	0	22		
-Intestinal Infectious Dis	2	0	0	0	0	0	0	1	0	3		
-Other Bacterial Dis	1	1	0	0	0	0	0	0	0	2		
-Polio & Other Viral CNS Dis	1	0	0	0	0	0	0	0	0	1		
-Viral Dis with Exanthem	1	1	2	0	0	0	1	0	0	5		
-Other Viral Dis & Chlamydiae	2	1	1	0	4	0	0	2	0	10		
-Other Infections & Parasitic Dis	1	0	0	0	0	0	0	0	0	1		
MALIGNANT NEOPLASMS	9	2	0	0	0	0	0	1	0	12		
-Digestive & Peritoneal	0	0	0	0	0	0	0	1	0	1		
-Breast	4	2	0	0	0	0	0	0	0	6		
-Genitourinary	3	0	0	0	0	0	0	0	0	3		
-Other & Unspecified Sites	2	0	0	0	0	0	0	0	0	2		

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

(CONTINUED)

HANFORD 1997

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

Women												
Occupational Group												
	Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-	
	on	onal	nical	ried	ice	urity	Labor	ear	known	Total		
Diagnostic Category												
BENIGN & UNCERTAIN NEOPLASMS	13,	2,	2,	0,	4,	0,	0,	0,	0,	0,	21,	
ENDOCRINE/METABOLIC/IMMUNITY	8,	1,	0,	0,	2,	0,	0,	1,	1,	13,		
- Thyroid Gland Disorders	2,	0,	0,	0,	1,	0,	0,	0,	0,	1,	4,	
- Other Endocrine Gland Disorders	4,	0,	0,	0,	0,	0,	0,	0,	0,	0,	4,	
- Other Metabolic & Immunity Disorders	2,	1,	0,	0,	1,	0,	0,	1,	0,	5,		
BLOOD & BLOOD FORMING ORGANS	3,	0,	0,	0,	0,	0,	0,	1,	0,	4,		
MENTAL DISORDERS	17,	3,	6,	1,	3,	0,	0,	5,	4,	39,		
- Psychoses	1,	2,	0,	0,	0,	0,	0,	0,	2,	5,		
- Non-Psychotic Disorders	16,	1,	6,	1,	3,	0,	0,	5,	2,	34,		
NERVOUS SYSTEM (NS) & SENSE ORGANS	16,	3,	7,	0,	6,	1,	0,	3,	3,	39,		
- Other Disorders of Central NS	4,	0,	0,	0,	0,	0,	0,	0,	1,	5,		

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

(CONTINUED)

HANFORD 1997

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

Women										
Occupational Group										
	Craf-	Othe-	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	on	onal	nical	ried	ice	rity	Labor	ear	known	Total
Diagnostic Category	ICD- 9- CM Code									
- Disorders of, 350- 359										
Peripheral NS,	9,	2,	3,	0,	4,	0,	0,	1,	2,	21,
- Disorders of, 360- 379										
Eye	1,	1,	2,	0,	1,	1,	0,	2,	0,	8,
- Dis of Ear &, 380- 389										
Mastoid	2,	0,	2,	0,	1,	0,	0,	0,	0,	5,
CIRCULATORY , 390- 459										
SYSTEM	7,	2,	4,	0,	5,	0,	1,	0,	0,	19,
- Hypertensi ve, 401- 405										
Dis	4,	0,	2,	0,	1,	0,	1,	0,	0,	8,
- Ischemi c , 410- 414										
Heart Dis	1,	1,	0,	0,	1,	0,	0,	0,	0,	3,
- Other Heart , 420- 429										
Dis	1,	0,	0,	0,	0,	0,	0,	0,	0,	1,
- Cerebrovasc-, 430- 438										
ular Dis	1,	0,	0,	0,	0,	0,	0,	0,	0,	1,
- Dis of , 440- 448										
Arteries & Capillaries	0,	0,	1,	0,	0,	0,	0,	0,	0,	1,
- Dis of , 451- 459										
Veins,										
Lymphati cs,										
Other	0,	1,	1,	0,	3,	0,	0,	0,	0,	5,
RESPIRATORY , 460- 519										
SYSTEM	24,	5,	12,	2,	8,	0,	7,	13,	2,	73,
- Acute , 460- 466										
Respi ratory										
Infections	4,	3,	2,	2,	3,	0,	4,	2,	1,	21,

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

(CONTINUED)

HANFORD 1997

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

Women											
Occupational Group											
	Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	rati-	essi-	Tech-	Sala-	Serv-	Secu-	al	Nucl-	r/Un-	on	onal
	ical,	ried	ice	rity	Labor,	ear	known,	Total			
Diagnostic Category	ICD-9-CM Code										
	-Other Dis ,470-478										
Upper Respiratory Tract	2	1	3	0	1	0	0	1	0	8	
-Pneumonia & Influenza	8	0	1	0	3	0	0	5	0	17	
-Chronic Obstructive Dis	9	1	5	0	1	0	3	4	0	23	
-Other Respiratory Dis	1	0	1	0	0	0	0	1	1	4	
DIGESTIVE SYSTEM	39	6	7	2	7	0	1	10	7	79	
-Oral Cavity, Saliva Glands, Jaw	2	0	0	1	0	0	0	2	0	5	
-Esophagus, Stomach, Duodenum	8	0	1	0	1	0	1	3	1	15	
-Appendicitis	1	0	1	0	0	0	0	2	0	4	
-Hernia	5	0	0	1	5	0	0	0	0	11	
-Enteritis, Colitis	6	0	2	0	0	0	0	0	2	10	
-Other Intestinal Dis	5	0	1	0	0	0	0	0	1	7	
-Other Digestive Dis	12	6	2	0	1	0	0	3	3	27	

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

(CONTINUED)

HANFORD 1997

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

Women										
Occupational Group										
	Craf-	Othe-	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	on	onal	nical	ried	ice	rity	Labor	ear	known	Total
Diagnostic Category										
ICD-9-CM Code										
GENITOURINARY, 580-629	40	6	4	0	6	3	5	7	3	74
SYSTEM										
-Other, 590-599										
Urinary Dis	8	0	0	0	1	1	2	1	1	14
-Breast, 610-611										
Disorders	4	1	1	0	0	0	0	0	0	6
-Pelvic, 614-616										
Inflammatory Dis	3	0	0	0	2	0	0	0	0	5
-Other Female, 617-629										
Disorders	25	5	3	0	3	2	3	6	2	49
PREGNANCY & CHILDBIRTH, 630-677										
CHILD BIRTH	3	0	1	0	0	0	0	0	1	5
-Ectopic & Molar Pregnancy, 630-633										
Pregnancy	1	0	0	0	0	0	0	0	0	1
-Pregnancy with Abortive Outcome, 634-639										
Outcome	2	0	1	0	0	0	0	0	1	4
SKIN & SUBCUTANEOUS TISSUE, 680-709										
TISSUE	1	1	0	0	0	0	1	1	1	5
-Infections, 680-686										
Infections	1	0	0	0	0	0	0	1	0	2
-Other, 690-698										
Inflammatory Conditions	0	1	0	0	0	0	1	0	1	3
MUSCULOSKELETAL & CONNECTIVE TISSUE, 710-739										
TISSUE	32	11	17	2	4	0	8	10	9	93

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

(CONTINUED)

HANFORD 1997

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

Women												
Occupational Group												
	Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-	
	on	onal	nical	ried	ice	rity	Labor	ear	known	Total		
Diagnostic Category	ICD- 9- CM Code											
-Arthropathi-	es	710- 719	10,	4,	4,	0,	0,	0,	3,	3,	4,	28,
-Dorsopathi-	es	720- 724	9,	5,	6,	0,	1,	0,	4,	5,	1,	31,
-Rheumati-	sm	725- 729										
Excluding	Back		13,	1,	5,	1,	3,	0,	1,	2,	4,	30,
-Other Di s &	Acquired	Deformities	0,	1,	2,	1,	0,	0,	0,	0,	0,	4,
CONGENITAL	ANOMALIES	740- 759	2,	0,	0,	1,	0,	0,	0,	0,	0,	3,
SYMPTOMS,	SIGNS, & ILL-	DEFINED COND.	12,	5,	5,	0,	5,	0,	2,	5,	3,	37,
-Symptoms	780- 789		11,	3,	4,	0,	3,	0,	2,	5,	3,	31,
-Non-Speci fic,	Abnormal	Findings	1,	1,	1,	0,	1,	0,	0,	0,	0,	4,
-Ill-Defined	& Unknown	Causes	0,	1,	0,	0,	1,	0,	0,	0,	0,	2,
INJURY AND	POISONING	780- 999	33,	8,	7,	1,	13,	0,	7,	8,	3,	80,
-Fracture -	Skull	800- 804	1,	0,	0,	0,	0,	0,	0,	0,	0,	1,
-Fracture -	Neck, Trunk	805- 809	2,	0,	0,	0,	1,	0,	0,	0,	0,	3,
-Fracture -	Upper Limb	810- 819	4,	1,	1,	0,	0,	0,	0,	0,	1,	7,

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

(CONTINUED)

HANFORD 1997

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

Women											
Occupational Group											
	Craft-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	rati-	essi-	Tech-	Sala-	Serv-	Secu-	al	Nucl-	r/Un-	on	onal
	ical,	ried	ice	rity	Labor,	ear	known,	Total			
Diagnostic Category	ICD- 9- CM Code										
- Fracture -	820- 829										
Lower Limb		3,	0,	0,	0,	2,	0,	0,	1,	0,	6,
- Dislocation	830- 839										
		6,	0,	0,	0,	0,	0,	0,	2,	0,	8,
- Sprains & Strains -	846- 847										
Back		3,	1,	2,	0,	3,	0,	3,	2,	0,	14,
- Sprains & Strains -	840- 845, 848										
Other		4,	1,	2,	0,	2,	0,	0,	0,	2,	11,
- Intracranial	850- 854										
Injury		2,	0,	0,	0,	0,	0,	0,	0,	0,	2,
- Open Wound -	870- 879										
Head, Neck,											
Trunk		0,	0,	0,	0,	0,	0,	0,	1,	0,	1,
- Late Effects	905- 909										
		1,	2,	0,	0,	0,	0,	1,	0,	0,	4,
- Superficial	910- 919										
Injury		0,	0,	0,	0,	1,	0,	0,	0,	0,	1,
- Contusion	920- 924										
		1,	0,	0,	0,	0,	0,	0,	0,	0,	1,
- Burns	940- 949										
		0,	0,	1,	0,	0,	0,	0,	0,	0,	1,
- Injury to	950- 957										
Nerves & Spinal Cord		1,	0,	0,	0,	0,	0,	0,	0,	0,	1,
- Complicatio-	958- 959										
ns & Unspecified											
Injuries		0,	3,	1,	1,	3,	0,	3,	1,	0,	12,
- Toxic	980- 989										
Effects - Nonmedicinal		1,	0,	0,	0,	0,	0,	0,	0,	0,	1,

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

(CONTINUED)



HANFORD 1997

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

Women											
Occupational Group											
	Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	rati-	essi-	Tech-	Sala-	Serv-	Secu-	al	Nucl-	r/Un-	on	onal
	nical,	ried	ice	rity	Labor,	ear	known,	Total			
Diagnostic Category	ICD-9-CM Code										
	- Unspecified, 990-995										
Effects -											
External Causes	4	0	0	0	0	0	0	0	0	4	
- Complications of Surgical/Medical Care	0	0	0	0	1	0	0	1	0	2	
HEALTH STATUS/HEALTH SERVICE CONTACT	9	2	2	0	0	0	1	2	0	16	
- Personal & Family History	2	1	0	0	0	0	0	0	0	3	
- Health Services/Reproduction/Development	0	0	1	0	0	0	0	0	0	1	
- Health Status	0	0	0	0	0	0	0	1	0	1	
- Specific Procedures/Aftercare	7	1	1	0	0	0	1	1	0	11	
Total	276	60	77	9	67	4	34	70	37	634	

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

(CONTINUED)

HANFORD 1997

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

		Men										
		Occupational Group										
		Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
		on	onal	nical	ried	ice	rity	Labor	ear	known	Total	
Diagnostic Category	ICD-9-CM Code											
	INFECTIOUS & PARASITIC DISEASES (DIS)	1	8	3	0	5	3	4	9	0	33	
	-Other, Bacterial Dis	0	3	0	0	1	0	1	1	0	6	
	-Viral Dis with Exanthem	0	1	0	0	1	0	0	2	0	4	
	-Other Viral Dis & Chlamydiae	0	4	3	0	3	3	3	6	0	22	
	-Other Infections & Parasitic Dis	1	0	0	0	0	0	0	0	0	1	
	MALIGNANT NEOPLASMS	0	3	2	2	0	0	2	0	4	13	
	-Digestive & Peritoneal	0	1	0	0	0	0	0	0	0	1	
	-Respiratory & Intrathoracic	0	0	1	0	0	0	0	0	1	2	
	-Bone, Connective Tissue, Skin	0	0	0	0	0	0	0	0	2	2	
	-Genitourinary	0	1	1	1	0	0	2	0	0	5	
	-Other & Unspecified Sites	0	1	0	1	0	0	0	0	1	3	

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

(CONTINUED)

HANFORD 1997

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

Diagnostic Category	Men																
	Occupational Group																
	Craft	Other	Adm	Prof	Known	Manu	Other	Ratio	Essi	Tech	Sala	Serv	Secu	al	Nucl	r/Un	Total
BENIGN & UNCERTAIN NEOPLASMS	0	2	0	0	1	0	1	0	1	5							
ENDOCRINE/METABOLIC/IMMUNITY - Thyroid Gland Disorders	0	2	0	0	2	0	2	3	1	10							
- Other Endocrine Gland Disorders	0	0	0	0	1	0	1	2	1	5							
- Other Metabolic & Immunity Disorders	0	0	0	0	1	0	1	1	0	3							
MENTAL DISORDERS - Psychoses	3	6	4	1	1	0	4	7	0	26							
- Non-Psychotic Disorders	3	3	1	1	1	0	3	3	0	15							
- Drug Dependence	0	1	1	0	0	0	1	2	0	5							
NERVOUS SYSTEM (NS) & SENSE ORGANS - Inflammatory	9	4	1	2	2	1	9	9	1	38							
Dis of Central NS	0	0	0	0	0	0	1	1	0	2							

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

(CONTINUED)

HANFORD 1997

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

		Men										
		Occupational Group										
		Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
		rati-	essi-	Tech-	Sala-	Serv-	Secu-	al	Nucl-	r/Un-	on	onal
		ical,	ried	ice	rity	Labor,	ear	known,	Total			
Diagnostic Category	ICD-9-CM Code											
- Hereditary/-	330-337											
Degenerative												
Central NS												
Dis		0	1	0	0	0	0	1	2	0	4	
-Other	340-349											
Disorders of												
Central NS		0	0	0	0	0	0	1	2	0	3	
- Disorders of	350-359											
Peripheral NS,		6	2	0	1	1	1	4	2	1	18	
- Disorders of	360-379											
Eye		0	1	1	0	1	0	0	0	0	3	
- Dis of Ear &	380-389											
Mastoid		3	0	0	1	0	0	2	2	0	8	
CIRCULATORY	390-459											
SYSTEM		7	9	5	0	3	4	11	10	6	55	
- Chronic	393-398											
Rheumatic												
Heart Dis		1	0	0	0	0	0	0	0	0	1	
- Hypertensive,	401-405											
Dis		0	0	2	0	0	1	4	3	3	13	
- Ischemic	410-414											
Heart Dis		3	6	1	0	1	2	1	6	3	23	
- Other Heart	420-429											
Dis		1	0	1	0	0	0	3	0	0	5	
- Cerebrovasc-	430-438											
ular Dis		0	0	1	0	0	1	0	1	0	3	
- Dis of	440-448											
Arteries &												
Capillaries		0	0	0	0	1	0	0	0	0	1	

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

(CONTINUED)

HANFORD 1997

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

		Men										
		Occupational Group										
		Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
		rati-	essi-	Tech-	Sala-	Serv-	Secu-	al	Nucl-	r/Un-	on	onal
		nical,	ried	ice	rity	Labor,	ear	known,	Total			
Diagnostic Category	ICD-9-CM Code											
- Dis of Veins, Lymphatics, Other	451-459	2	3	0	0	1	0	3	0	0	9	
RESPIRATORY SYSTEM	460-519	7	20	15	2	12	5	38	34	7	140	
- Acute Respiratory Infections	460-466	3	7	5	1	4	0	10	12	3	45	
- Other Dis Upper Respiratory Tract	470-478	0	5	0	0	2	2	4	7	0	20	
- Pneumonia & Influenza	480-487	3	5	5	0	3	1	14	9	3	43	
- Chronic Obstructive Dis	490-496	1	2	5	1	3	2	9	6	1	30	
- Other Respiratory Dis	510-519	0	1	0	0	0	0	1	0	0	2	
DIGESTIVE SYSTEM	520-579	16	20	21	1	12	7	15	16	5	113	
- Oral Cavity, Saliva Glands, Jaw	520-529	0	0	1	0	0	0	2	0	0	3	
- Esophagus, Stomach, Duodenum	530-537	1	1	4	1	4	1	1	2	1	16	
- Appendicitis	540-543	2	1	0	0	0	2	0	0	1	6	

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

(CONTINUED)

HANFORD 1997

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

		Men										
		Occupational Group										
		Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
		on	onal	nical	ried	ice	rity	Labor	ear	known	Total	
Diagnostic Category	ICD-9-CM Code											
-Hernia	550-553	1	10	9	0	5	2	6	8	2	43	
-Enteritis, Colitis	555-558	3	0	0	0	2	1	1	3	0	10	
-Other Intestinal Dis	560-569											
-Other Digestive Dis	570-579	7	4	5	0	1	1	3	2	0	23	
GENITOURINARY SYSTEM	580-629	3	7	5	0	2	0	8	1	0	26	
-Nephritis, Nephrosis	580-589	0	1	0	0	0	0	0	0	0	1	
-Other Urinary Dis	590-599	2	4	2	0	2	0	5	1	0	16	
-Male Genital Organ Dis	600-608	1	1	3	0	0	0	3	0	0	8	
-Breast Disorders	610-611	0	1	0	0	0	0	0	0	0	1	
SKIN & SUBCUTANEOUS TISSUE	680-709	5	0	0	0	0	0	1	3	1	10	
-Infections	680-686	2	0	0	0	0	0	1	2	1	6	
-Other	700-709	3	0	0	0	0	0	0	1	0	4	
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	24	17	14	1	19	13	39	28	1	156	

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

(CONTINUED)

HANFORD 1997

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

Diagnostic Category	Men									
	Occupational Group	Crafts	Administrative/Unknown	Professional	Technical	Service	Security	Al	Nuclear/Unknown	Total
- Arthropathies, 710-719	10	7	1	0	5	1	15	6	0	45
- Dorsopathies, 720-724	6	6	10	1	11	11	18	19	1	83
- Rheumatism, 725-729										
Excluding Back	3	3	2	0	2	1	6	2	0	19
- Other Dis & Acquired Deformities, 730-739										
CONGENITAL ANOMALIES, 740-759	0	3	0	0	0	0	0	1	0	4
SYMPTOMS, SIGNS, & ILL-DEFINED COND., 780-799	4	7	5	0	2	1	5	10	4	38
- Symptoms, 780-789	4	6	5	0	2	1	2	9	4	33
- Non-Specific, 790-796										
Abnormal Findings	0	1	0	0	0	0	3	1	0	5
INJURY AND POISONING, 800-999	30	37	14	2	17	4	44	33	8	189
- Fracture - Skull, 800-804	0	1	0	0	0	0	1	0	0	2
- Fracture - Neck, Trunk, 805-809	6	4	0	0	1	0	2	2	1	16
- Fracture - Upper Limb, 810-819	2	1	0	0	0	0	5	1	1	10
- Fracture - Lower Limb, 820-829	3	5	0	0	1	0	2	1	0	12

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

(CONTINUED)

HANFORD 1997

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

Diagnostic Category	Men										Total
	Occupational Group										
ICD-9-CM Code	Admi- nistrative	Prof- essional	Known	Manu- facturing	Othe- r	Con- struction	Secu- rity	Sal- ary	Serv- ice	Un- known	Craf- ts
- Dislocation, 830-839	4	5	2	0	1	0	5	3	0	20	
- Sprains & Strains - Back, 846-847											
- Sprains & Strains - Other, 840-845, 848		8	9	5	2	2	1	10	8	3	48
- Intracranial Injury, 850-854	0	0	0	0	0	0	0	1	0	0	1
- Internal Injury - Thorax, Abdomen, Pelvis, 860-869											
- Open Wound - Head, Neck, Trunk, 870-879											
- Open Wound - Upper Limb, 880-887	0	0	1	0	1	0	0	1	0	3	
- Open Wound - Lower Limb, 890-897	0	0	2	0	1	1	0	1	0	5	
- Late Effects, 905-909	2	0	0	0	0	0	2	2	1	7	
- Superficial Injury, 910-919	0	0	0	0	0	0	1	0	0	1	
- Contusion, 920-924	0	2	0	0	1	1	2	1	0	7	
- Crushing Injury, 925-929	0	0	0	0	0	0	0	0	1	1	

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

(CONTINUED)



HANFORD 1997

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

Diagnostic Category	Men											
	Occupational Group											
ICD-9-CM Code	Craft	Other	Administrative/Unknown	Professional	Technical	Salaries	Service	Security	Al	Nuclear	Unknown	Total
- Injury to Nerves & Spinal Cord, 950-957	0	1	0	0	0	0	0	0	1	0	2	
- Complications & Unspecified Injuries, 958-959												
- Toxic Effects - Nonmedicinal, 980-989	0	1	0	0	0	0	0	0	0	0	1	
- Unspecified Effects - External Causes, 990-995	0	0	0	0	1	0	0	0	0	0	1	
- Complications of Surgical/Medical Care, 996-999	1	2	0	0	0	0	5	0	0	0	8	
HEALTH STATUS/HEALTH SERVICE CONTACT, V01-V82	2	1	0	0	0	1	5	2	0	0	11	
- Personal & Family History, V10-V19	1	0	0	0	0	0	3	1	0	0	5	
- Health Services - Reproduction/Development, V20-V29	0	0	0	0	0	1	1	0	0	0	2	
- Health Status, V40-V49	1	0	0	0	0	0	1	0	0	0	2	

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

(CONTINUED)

HANFORD 1997

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

Diagnostic Category	Men										
	Occupational Group										
	Craft	Other	Administrative/Unknown	Professional	Technical	Salaries	Service	Security	Al	Nuclear/Unknown	Total
Specific V50-V59	0	1	0	0	0	0	0	0	1	0	2
Procedures/Aftercare	0	1	0	0	0	0	0	0	1	0	2
Total	111	146	89	11	78	39	188	166	39	867	

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

HANFORD 1997

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

Diagnostic Category	Women									
	Occupational Group	Crafts	Administrative/Unknown	Professional	Technical	Service	Security	Al	Nuclear/Unknown	Total
Infections/Parasites	418	54	88	0	53	0	11	46	0	670
Cancers	652	52	0	0	0	0	0	39	0	743
Benign Growths	576	69	143	0	192	0	0	0	0	980
Endocrine/Metabolic	634	161	0	0	34	0	0	132	23	984
Blood	104	0	0	0	0	0	0	7	0	111
Mental	2098	135	284	10	174	0	0	101	160	2962
Nervous System	919	82	217	0	451	34	0	100	265	2068
Heart/Circulatory	484	120	77	0	63	0	12	0	0	756
Lung/Respiratory	304	61	148	23	70	0	158	180	21	965
Digestive	1523	104	100	17	194	0	10	388	153	2489
Genitourinary	1192	179	145	0	196	91	234	239	111	2387
Miscarriage	89	0	12	0	0	0	0	0	46	147
Skin	15	11	0	0	0	0	10	18	12	66
Muscles and Skeleton	827	388	500	25	192	0	198	307	614	3051
Existing Birth Condition	22	0	0	64	0	0	0	0	0	86
Unspecified Symptoms	465	153	77	0	120	0	27	135	71	1048
Injury and Poisoning	1128	122	235	10	343	0	138	131	104	2211

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

(CONTINUED)

HANFORD 1997

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

Diagnostic Category	Men									
	Occupational Group	Crafts	Administrative/Unskilled	Professional/Technical	Service	Security	Al	Nuclear/Unskilled	Other	Total
Infections/Parasites	10	102	32	0	47	27	47	98	0	363
Cancers	0	159	73	56	0	0	139	0	218	645
Benign Growths	0	23	0	0	19	0	17	0	20	79
Endocrine/Metabolic	0	26	0	0	482	0	66	31	7	612
Mental	110	298	72	25	41	0	274	200	0	1020
Nervous System	182	71	60	86	28	150	733	189	68	1567
Heart/Circulatory	169	332	163	0	525	185	456	294	73	2197
Lung/Respiratory	81	252	134	29	102	57	543	362	132	1692
Digestive	240	318	298	33	185	225	343	242	146	2030
Genitourinary	69	70	90	0	22	0	192	13	0	456
Skin	95	0	0	0	0	0	17	84	12	208
Muscles and Skeleton	635	567	170	38	591	295	1374	571	13	4254
Existing Birth Condition	0	136	0	0	0	0	0	33	0	169
Unspecified Symptoms	70	109	59	0	23	7	48	119	46	481
Injury and Poisoning	642	755	328	31	198	123	1844	565	439	4925

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

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

Diagnostic Category	Administration 4,682 Person-Years				Professional 3,942 Person-Years				Technical 1,234 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	247	0.6	0.5	0.7	145	0.5	0.4	0.6	104	1.4	1.1	1.7
Infectious & Parasitic Diseases	9	0.3	0.2	0.8	9	0.6	0.3	1.3	6	1.4	0.6	3.2
Malignant Neoplasms	8	0.8	0.3	2.3	4	0.7	0.2	2.1	2	1.4	0.3	6.0
Benign & Uncertain Neoplasms	11	1.1	0.4	2.7	4	0.9	0.3	2.8	2	1.1	0.2	4.6
Endocrine/Metabolic/Immunity	7	0.7	0.2	1.9	3	0.6	0.2	1.9	0			
Mental Disorders	19	0.7	0.4	1.3	8	0.6	0.3	1.3	10	2.3	1.1	4.5
Nervous System & Sense Organs	22	0.7	0.4	1.2	7	0.4	0.2	0.8	7	1.2	0.6	2.7
Circulatory System	12	0.4	0.2	0.8	11	0.5	0.3	1.0	9	2.1	1.0	4.1
Respiratory System	29	0.3	0.2	0.5	22	0.4	0.2	0.6	23	1.6	1.0	2.5
Digestive System	48	0.7	0.5	1.1	23	0.5	0.3	0.7	21	1.6	1.0	2.6
Genitourinary System	37	1.0	0.6	1.5	11	0.7	0.4	1.3	8	1.2	0.6	2.5
Skin & Subcutaneous Tissue	6	1.3	0.5	3.2	1	0.2	0.04	1.4	0			
Musculoskeletal & Connective Tissue	42	0.5	0.4	0.8	22	0.4	0.2	0.6	22	1.5	0.9	2.3
Symptoms, Signs, & Ill-Defined Cond.	15	0.5	0.3	0.8	10	0.7	0.3	1.3	8	1.7	0.8	3.6
Injury & Poisoning	47	0.6	0.4	0.8	36	0.5	0.4	0.8	17	0.9	0.6	1.5
Fracture-Neck, Trunk	6	1.5	0.5	4.7	4	0.8	0.2	2.5	0			
Fracture-Upper Limb	6	0.9	0.3	2.9	2	0.4	0.1	1.7	1	0.8	0.1	5.6
Fracture-Lower Limb	5	1.1	0.3	3.7	5	1.4	0.4	4.5	0			
Dislocation	9	1.1	0.5	2.7	5	0.6	0.2	1.7	2	1.0	0.3	4.2
Sprains & Strains-Back	3	0.2	0.04	0.6	3	0.2	0.1	0.7	6	1.9	0.8	4.4
Sprains & Strains-Other	12	0.7	0.4	1.3	10	0.5	0.3	1.0	6	1.2	0.5	2.8
Late Effects	3	0.9	0.3	3.2	2	0.6	0.2	2.5	0			
Complications & Unspecified Injuries	2	0.3	0.1	0.9	4	0.8	0.3	2.4	1	0.7	0.1	5.5
Complications of Surgical /Medical Care	1	0.3	0.1	1.9	2	0.6	0.1	2.8	0			

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

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

\*\*\* CI = Confidence Limit

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

Diagnostic Category	Other/Unknown Salaried 840 Person-Years				Service 371 Person-Years				Security 214 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	15	0.3	0.2	0.5	84	3.7	2.9	4.6	24	1.9	1.3	2.9
Infectious & Parasitic Diseases	0				8	6.7	3.1	14.4	3	4.2	1.3	14.0
Malignant Neoplasms	2	1.7	0.4	7.3	0				0			
Benign & Uncertain Neoplasms	0				4	8.4	2.9	24.9	0			
Endocrine/Metabolic/Immunity	0				4	8.7	2.9	25.8	0			
Mental Disorders	2	0.6	0.2	2.6	4	3.1	1.1	8.8	0			
Nervous System & Sense Organs	2	0.5	0.1	2.1	8	4.9	2.3	10.2	2	2.6	0.6	10.4
Circulatory System	0				7	4.1	1.9	9.0	3	3.3	1.0	10.6
Respiratory System	4	0.4	0.1	1.0	15	3.4	2.0	5.7	4	1.5	0.6	4.1
Digestive System	3	0.3	0.1	1.0	15	3.8	2.2	6.5	6	2.9	1.3	6.6
Genitourinary System	0				5	2.4	1.0	6.0	2	3.4	0.8	13.6
Skin & Subcutaneous Tissue	0				0				0			
Musculoskeletal & Connective Tissue	2	0.2	0.04	0.7	19	4.1	2.5	6.5	7	2.7	1.3	5.8
Symptoms, Signs, & Ill-Defined Cond.	0				7	5.1	2.3	11.3	1	1.6	0.2	11.2
Injury & Poisoning	3	0.2	0.1	0.8	23	4.6	3.0	7.1	4	1.2	0.5	3.4
Fracture-Neck, Trunk	0				2	5.2	1.2	22.8	0			
Fracture-Upper Limb	0				0				0			
Fracture-Lower Limb	0				2	5.8	1.3	25.2	0			
Dislocation	0				1	1.5	0.2	11.2	0			
Sprains & Strains-Back	0				9	12.3	5.8	26.1	0			
Sprains & Strains-Other	2	0.6	0.1	2.5	4	2.8	1.0	7.7	1	1.0	0.1	7.3
Late Effects	0				0				0			
Complications & Unspecified Injuries	1	1.0	0.1	7.5	3	7.8	2.3	26.8	0			
Complications of Surgical /Medical Care	0				1	4.0	0.5	30.0	0			

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

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

\*\*\* CI = Confidence Limit

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

Diagnostic Category	Crafts and Manual Labor 877 Person-Years				Nuclear 849 Person-Years				Other/Unknown 1,838 Person-Years				Total Persons with 1+ Even t
	Pers ons with 1+ Even t*	RR**	Lower 95% CI***	Upper 95% CI***	Pers ons with 1+ Even t*	RR**	Lower 95% CI***	Upper 95% CI***	Pers ons with 1+ Even t*	RR**	Lower 95% CI***	Upper 95% CI***	
All Diagnostic Categories	137	3.2	2.6	3.8	148	3.3	2.8	4.0	51	0.4	0.3	0.5	955
Infectious & Parasitic Diseases	5	2.1	0.8	5.5	12	4.9	2.5	9.4	0				52
Malignant Neoplasms	2	1.6	0.4	7.4	1	1.5	0.2	11.2	3	1.2	0.4	4.0	22
Benign & Uncertain Neoplasms	1	1.6	0.2	14.0	0				1	0.3	0.05	2.4	23
Endocrine/Metabolic/Immunity	2	2.1	0.4	9.8	4	5.2	1.7	15.8	2	0.7	0.2	2.6	22
Mental Disorders	3	1.5	0.4	4.9	8	3.2	1.5	6.8	4	0.4	0.2	1.2	58
Nervous System & Sense Organs	8	2.7	1.2	5.9	11	3.8	1.9	7.5	4	0.4	0.2	1.2	71
Circulatory System	11	2.7	1.4	5.2	9	3.1	1.5	6.4	5	0.7	0.3	1.8	67
Respiratory System	37	4.7	3.2	6.9	37	4.3	3.0	6.3	9	0.4	0.2	0.7	180
Digestive System	16	1.9	1.1	3.3	24	3.1	2.0	4.8	10	0.5	0.3	0.9	166
Genitourinary System	10	5.2	2.6	10.8	8	2.5	1.2	5.2	3	0.2	0.1	0.7	84
Skin & Subcutaneous Tissue	2	2.7	0.6	12.0	4	5.8	1.7	19.0	2	1.3	0.2	6.9	15
Musculoskeletal & Connective Tissue	34	3.9	2.6	5.8	35	4.0	2.7	5.8	7	0.3	0.1	0.6	190
Symptoms, Signs, & Ill-Defined Cond.	6	2.3	0.9	5.5	11	4.8	2.5	9.4	5	0.6	0.2	1.4	63
Injury & Poisoning	40	4.0	2.8	5.8	32	2.9	2.0	4.3	9	0.4	0.2	0.7	211
Fracture-Neck, Trunk	2	1.8	0.4	8.1	1	1.2	0.1	9.8	1	0.6	0.1	4.4	16
Fracture-Upper Limb	5	8.6	2.6	28.5	1	1.3	0.1	11.3	2	1.1	0.2	5.0	17
Fracture-Lower Limb	2	2.8	0.6	14.0	2	2.2	0.5	9.6	0				16
Dislocation	5	3.5	1.2	9.9	4	3.3	1.1	9.7	0				26
Sprains & Strains-Back	7	4.6	1.9	10.8	9	4.9	2.2	11.1	0				37
Sprains & Strains-Other	9	2.9	1.4	6.2	8	2.4	1.1	5.2	5	0.8	0.3	2.0	57
Late Effects	3	6.9	1.8	26.0	2	3.4	0.7	16.9	1	0.8	0.1	4.9	11
Complications & Unspecified Injuries	3	3.2	0.9	11.0	3	4.0	1.1	14.4	1	0.5	0.1	3.2	18
Complications of Surgical /Medical Care	5	23.6	4.7	119.4	1	1.5	0.2	10.4	0				10

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

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

\*\*\* CI = Confidence Limit

**Appendix M Occupational Sentinel Health Events (SHEO)**

The following two tables list the disease conditions that have been identified as definitely SHEOs or as possibly SHEOs, 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 SHEO 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 SHEOs		
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

(CONTINUED)



<b>Diagnoses - Possibly SHEOs</b>		
<b>ICD-9</b>	<b>Condition</b>	<b>DOE Complex Exposure Potential</b>
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 immuno-deficiency 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

(CONTINUED)

<b>Diagnoses - Possibly SHEOs</b>		
<b>ICD-9</b>	<b>Condition</b>	<b>DOE Complex Exposure Potential</b>
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 N. Number of Workers with at Least One OSHA Event by Gender, Age, and Occupation

	Women					Men						
	Age Group					Age Group					%	
	16 -	30 -	40 -			16 -	30 -	40 -				
	29	39	49	50 +	Total	29	39	49	50 +	Total	Total	
Occupational Group												
Administration	2	12	15	4	33	0	0	5	6	11	44	
Professional	0	5	3	1	9	0	8	4	7	19	28	
Technical	3	7	5	1	16	0	8	10	4	22	38	
Other/Unknown												
Salaried	0	1	0	1	2	1	0	1	0	2	4	
Service	0	2	7	5	14	2	8	13	4	27	41	
Security	0	0	0	0	0	0	2	4	0	6	6	
Crafts and Manual Labor	0	2	4	0	6	0	10	29	14	53	59	
Nuclear	0	5	6	2	13	7	16	14	4	41	54	
Other/Unknown	4	0	3	1	8	1	2	2	1	6	14	
Total	9	34	43	15	101	11	54	82	40	187	288	

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OSHA DATA

Appendix 0. Total Number of Workdays Lost or with Restricted Activity from OSHA Events by Gender and Age

	Women	Men	Total
, Days ,			
, # of ,Restr-, Days ,			
, Events, icted , Lost ,			
, Age Group			
, 16 - 29	9,	72,	1, 11, 220, 24, 20, 292, 25,
, 30 - 39	35,	356,	104, 61, 293, 65, 96, 649, 169,
, 40 - 49	45,	367,	150, 87, 917, 184, 132, 1284, 334,
, 50 +	16,	79,	93, 41, 776, 85, 57, 855, 178,
, Total	105,	874,	348, 200, 2206, 358, 305, 3080, 706,

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OSHA DATA

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

	Women	Men	Total
Days	Days	Days	Days
# of Restr- Events, icted , Lost	# of Restr- Events, icted , Lost	# of Restr- Events, icted , Lost	# of Restr- Events, icted , Lost
Occupational Group			
Administration	35, 85,	50, 12,	48, 11, 47, 133, 61,
Professional	10, 2,	0, 19,	38, 21, 29, 40, 21,
Technical	17, 282,	74, 23,	246, 3, 40, 528, 77,
Other/Unknown Salaried	2, 0,	0, 2,	61, 0, 4, 61, 0,
Service	14, 171,	180, 30,	453, 173, 44, 624, 353,
Security	0, 0,	0, 6,	33, 0, 6, 33, 0,
Crafts and Manual Labor	6, 0,	13, 60,	749, 94, 66, 749, 107,
Nuclear	13, 328,	28, 42,	467, 56, 55, 795, 84,
Other/Unknown	8, 6,	3, 6,	111, 0, 14, 117, 3,
Total	105, 874,	348, 200,	2206, 358, 305, 3080, 706,

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OSHA DATA

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

Diagnostic Category	Women					Men					Total
	Age Group					Age Group					
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total	
MENTAL DISORDERS, ICD-9-CM Code 290-319	0	0	0	0	0	0	0	1	0	0	1
- Non-Psychotic Disorders, ICD-9-CM Code 300-302, 306-316	0	0	0	0	0	0	0	1	0	0	1
NERVOUS SYSTEM (NS) & SENSE ORGANS, ICD-9-CM Code 320-389	1	5	7	1	14	1	1	5	1	8	22
- Disorders of Peripheral NS, ICD-9-CM Code 350-359	0	3	6	1	10	1	0	2	1	4	14
- Disorders of Eye, ICD-9-CM Code 360-379	1	2	1	0	4	0	1	0	0	1	5
- Dis of Ear & Mastoid, ICD-9-CM Code 380-389	0	0	0	0	0	0	0	3	0	3	3
DIGESTIVE SYSTEM, ICD-9-CM Code 520-579	0	0	1	1	2	0	0	0	0	0	2
- Hernia, ICD-9-CM Code 550-553	0	0	1	1	2	0	0	0	0	0	2
SKIN & SUBCUTANEOUS TISSUE, ICD-9-CM Code 680-709	0	1	0	0	1	0	1	2	0	3	4
- Other Inflammatory Conditions, ICD-9-CM Code 690-698	0	1	0	0	1	0	1	2	0	3	4
MUSCULOSKELETAL & CONNECTIVE TISSUE, ICD-9-CM Code 710-739	8	16	20	7	51	1	14	16	6	37	88
- Arthropathies, ICD-9-CM Code 710-719	4	2	2	1	9	0	3	1	2	6	15
- Dorsopathies, ICD-9-CM Code 720-724	2	2	8	1	13	1	5	9	0	15	28
- Rheumatism, ICD-9-CM Code 725-729											
Excluding Back, ICD-9-CM Code 725-729	2	12	10	5	29	0	6	6	4	16	45

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

(CONTINUED)

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OSHA DATA

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

Diagnostic Category	Women					Men					Total
	Age Group					Age Group					
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total	
SYMPTOMS, SIGNS, & ILL-DEFINED COND., 780-799	2	1	6	0	9	1	2	0	2	5	14
-Symptoms, 780-789	2	1	6	0	9	1	2	0	2	5	14
INJURY AND POISONING, 800-999	5	25	35	8	73	9	48	90	44	191	264
-Fracture - Skull, 800-804	0	0	0	0	0	0	0	1	0	1	1
-Fracture - Neck, Trunk, 805-809	0	1	0	0	1	0	0	1	2	3	4
-Fracture - Upper Limb, 810-819	0	0	0	0	0	0	1	5	1	7	7
-Fracture - Lower Limb, 820-829	0	2	1	0	3	0	0	0	0	0	3
-Dislocation, 830-839	0	0	0	0	0	0	0	2	0	2	2
-Sprains & Strains - Back, 846-847	0	3	10	1	14	2	14	26	13	55	69
-Sprains & Strains - Other, 840-845, 848	0	7	11	3	21	2	14	9	6	31	52
-Open Wound - Head, Neck, Trunk, 870-879	0	1	0	0	1	0	4	4	1	9	10
-Open Wound - Upper Limb, 880-887	1	0	3	1	5	3	2	11	5	21	26
-Open Wound - Lower Limb, 890-897	0	0	0	0	0	0	0	0	1	1	1
-Injury to Blood Vessels, 900-904	0	0	1	0	1	0	0	0	0	0	1

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

(CONTINUED)

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OSHA DATA

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

Diagnostic Category	Women					Men					Total
	Age Group					Age Group					
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total	
- Superficial Injury	2	1	1	0	4	0	1	5	3	9	13
- Contusion Injury	1	3	1	0	5	1	0	11	3	15	20
- Crushing Injury	0	0	1	0	1	0	0	0	0	0	1
- Foreign Body Entering Orifice	0	0	0	1	1	0	4	7	3	14	15
- Burns	0	2	1	1	4	1	3	4	1	9	13
- Complications & Unspecified Injuries	0	1	2	0	3	0	3	2	5	10	13
- Toxic Effects - Nonmedicinal	1	2	1	1	5	0	1	1	0	2	7
- Unspecified External Causes	0	2	2	0	4	0	1	1	0	2	6
<b>Total</b>	<b>16</b>	<b>48</b>	<b>69</b>	<b>17</b>	<b>150</b>	<b>12</b>	<b>67</b>	<b>113</b>	<b>53</b>	<b>245</b>	<b>395</b>

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



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OSHA DATA

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

Women									
Age Group									
	16 - 29	30 - 39	40 - 49	50 +					
Diagnostic Category	Days	Days	Days	Days	Res-	Res-	Res-	Res-	Res-
	cted, Lost	cted, Lost	cted, Lost	cted, Lost					
- Disorders of, 350-359									
Peripheral NS,	0	0	43	0	0	0	0	0	0
- Disorders of, 360-379									
Eye	0	0	0	0	0	0	0	0	0
- Hernia ,550-553	0	0	0	2	20	47	67		
- Other ,690-698									
Inflammatory									
Conditions	0	0	0	0	0	0	0	0	0
- Arthropathi-, 710-719									
es	0	0	0	14	93	0	0		
- Dorsopathies, 720-724	0	1	0	8	14	5	0		
- Rheumatism , 725-729									
Excluding									
Back	71	0	76	52	85	0	24	26	
- Symptoms ,780-789	0	0	0	14	93	0	0		
- Fracture - ,805-809									
Neck, Trunk	0	0	14	0	0	0	0	0	
- Fracture - ,820-829									
Lower Limb	0	0	18	0	0	0	0	0	
- Sprains & ,846-847									
Strains -									
Back	0	0	110	9	134	21	0	0	
- Sprains & ,840-845, 848									
Strains -									
Other	0	0	212	52	166	10	3	0	
- Open Wound -, 870-879									
Head, Neck,									
Trunk	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 with at least one occurrence appear in this table.

(CONTINUED)

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OSHA DATA

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

Women									
Age Group									
	16 - 29	30 - 39	40 - 49	50 +					
Diagnostic Category	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	Days, Res- , tri- , cted, Lost	Days, Res- , tri- , cted, Lost	Days, Res- , tri- , cted, Lost	Days, Res- , tri- , cted, Lost
- Open Wound - , 880- 887	0	0	0	0	0	0	0	0	0
Upper Limb ,	0	0	0	0	0	0	0	0	0
- Injury to , 900- 904	0	0	0	0	0	0	0	0	0
Blood Vessels, ,	0	0	0	0	0	0	0	0	0
- Superfi cial , 910- 919	0	0	0	0	0	0	0	0	0
Injury ,	0	0	0	0	0	0	0	0	0
- Contusi on , 920- 924	1	0	2	0	5	0	0	0	0
- Crush ing , 925- 929	0	0	0	0	0	0	0	0	0
Injury ,	0	0	0	0	0	0	0	0	0
- Foreign Body, 930- 939									
Entering ,									
Orifi ce ,	0	0	0	0	0	0	0	0	0
- Burns , 940- 949	0	0	0	0	0	0	0	0	0
- Complicatio- , 958- 959									
ns & ,									
Unspeci fied ,									
Injuries ,	0	0	0	0	133	13	0	0	0
- Toxic , 980- 989									
Effects - ,									
Nonmedi cinal ,	0	0	0	0	0	0	0	0	0
- Unspeci fied , 990- 995									
Effects - ,									
External ,									
Causes ,	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 with at least one occurrence appear in this table.

(CONTINUED)

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OSHA DATA

Appendix R. 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	Days	Days	Days	Res-	Res-	Res-	Res-	Days
	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost
Diagnostic Category									
- Non-Psychotic Disorders									
ICD-9-CM Codes, 300-302, 306-316									
- Disorders of, 350-359									
Peripheral NS, 360-379									
Eye									
- Dis of Ear & Mastoid									
- Other, 690-698									
Inflammatory Conditions									
- Arthropathies, 710-719									
- Dorsopathies, 720-724									
- Rheumatism, 725-729									
Excluding Back Symptoms									
- Fracture - Skull									
- Fracture - Neck, Trunk									
- Fracture - Upper Limb									
- Dislocation									

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

(CONTINUED)

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OSHA DATA

Appendix R. 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 +	16 - 29	30 - 39	40 - 49	50 +
		Days	Days	Days	Days	Days	Days	Days	Days
		Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-
		tri-	tri-	tri-	tri-	tri-	tri-	tri-	tri-
		cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost
Diagnostic Category	ICD-9-CM Codes								
- Sprains & Strains - Back	846-847	119	24	58	8	400	152	363	50
- Sprains & Strains - Other	840-845, 848	54	0	158	37	224	6	52	2
- Open Wound - Head, Neck, Trunk	870-879	0	0	0	0	27	4	0	0
- Open Wound - Upper Limb	880-887	5	0	0	0	116	18	24	0
- Open Wound - Lower Limb	890-897	0	0	0	0	0	0	0	19
- Superficial Injury	910-919	0	0	0	0	73	18	0	0
- Contusion	920-924	6	0	0	0	114	0	87	0
- Foreign Body Entering Orifice	930-939	0	0	0	0	0	0	0	0
- Burns	940-949	0	0	0	0	0	0	4	0
- Complications & Unspecified Injuries	958-959	0	0	12	0	14	0	221	5
- Toxic Effects - Nonmedicinal	980-989	0	0	0	0	0	0	0	0
- Unspecified Effects - External Causes	990-995	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 with at least one occurrence appear in this table.

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OSHA DATA

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

	Women					Men					Total
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total	
Type of Accident											
Motor Vehicle, E810- E819											
Traffic		0	0	0	0	0	0	0	0	3	3
Accidental Poisoning - Nonmedicinal, E860- E869											
Poisoning - Nonmedicinal		1	2	0	1	4	0	0	0	0	4
Falls, E880- E888		0	4	1	2	7	1	6	11	4	22
Natural/Environmental Factors, E900- E909											
Factors		2	1	3	0	6	0	3	2	1	6
Submersion/Suffocation/Foreign Bodies, E910- E915											
Suffocation/Foreign Bodies		0	0	0	1	1	0	4	7	3	14
Other Accidents, E916- E928											
Accidents		6	26	39	12	83	9	43	61	30	143

\*Only those accident types with at least one occurrence appear in this table.

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OSHA DATA

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

		Women							
		Age Group							
		16 - 29	30 - 39	40 - 49	50 +	16 - 29	30 - 39	40 - 49	50 +
		Days	Days	Days	Days	Res-	Res-	Res-	Res-
		tri-	tri-	tri-	tri-	cted	cted	cted	cted
		Lost	Lost	Lost	Lost	Lost	Lost	Lost	Lost
Type of Accident	E Codes								
Poisoning - Nonmedicinal		0	0	0	0	0	0	0	0
Falls	E880-E888	0	0	23	0	54	8	3	0
Natural/Environmental Factors	E900-E909								
Submersion/Suffocation/Foreign Bodies	E910-E915	0	0	0	0	0	0	0	0
Other Accidents	E916-E928	72	1	333	104	313	142	76	93

\*OSHA events with >1 E code in the same accident type were counted only once. Only those accident types 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 for Each Accident Category by Gender and Age\*

Type of Accident	Men				Women			
	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	Days, Res- tri- cted, Lost	Days, Res- tri- cted, Lost	Days, Res- tri- cted, Lost
Motor Vehicle, E810- E819	0	0	0	0	0	0	0	7
Falls, E880- E888	52	0	46	2	138	4	25	9
Natural /Environmental Factors, E900- E909	0	0	0	0	0	0	0	0
Submersion/Suffocation/Foreign Bodies, E910- E915	0	0	0	0	0	0	0	0
Other, E916- E928	168	24	232	45	769	180	751	69

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

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OSHA DATA

Appendix U. Number of Diagnoses in Each Diagnostic Category by Gender and Occupation\*

Women											
Occupational Group											
	Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	rati-	essi-	Tech-	Sala-	Serv-	al	Nucl-	r/Un-	on	onal	nical
	ried	ice	Labor	ear	known	Total					
Diagnostic ICD-9-CM Code Category											
NERVOUS, 320-389											
SYSTEM (NS) & SENSE ORGANS	11	1	1	0	0	0	0	0	1	14	
- Disorders of, 350-359											
Peripheral NS	8	1	0	0	0	0	0	0	1	10	
- Disorders of, 360-379											
Eye	3	0	1	0	0	0	0	0	0	4	
DIGESTIVE, 520-579											
SYSTEM	0	0	0	0	1	0	1	0	0	2	
- Hernia, 550-553	0	0	0	0	1	0	1	0	0	2	
SKIN & SUBCUTANEOUS, 680-709											
TISSUE	1	0	0	0	0	0	0	0	0	1	
- Other, 690-698											
Inflammatory Conditions	1	0	0	0	0	0	0	0	0	1	
MUSCULOSKELE-, 710-739											
TAL & CONNECTIVE TISSUE	26	3	7	1	4	6	2	2	2	51	
- Arthropathi-, 710-719											
es	7	0	0	0	1	0	0	0	1	9	
- Dorsopathies, 720-724											
	5	0	1	0	0	4	2	1	1	13	
- Rheumatism, 725-729											
Excluding Back	14	3	6	1	3	2	0	0	0	29	
SYMPTOMS, 780-799											
SIGNS, & ILL-, DEFINED COND.	1	3	3	0	1	0	0	0	1	9	

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

(CONTINUED)



HANFORD 1997

OSHA DATA

Appendix U. Number of Diagnoses in Each Diagnostic Category by Gender and Occupation\*

Women																	
Occupational Group																	
	Craft-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-						
	rati-	essi-	Tech-	Sala-	Serv-	al	Nucl-	r/Un-	on	onal	nical,	ried	ice	Labor,	ear	known,	Total
Diagnostic Category	ICD- 9- CM Code																
-Symptoms	,780-789	1,	3,	3,	0,	1,	0,	0,	1,	9,							
INJURY AND POISONING	,800-999	16,	6,	13,	1,	15,	5,	12,	5,	73,							
-Fracture - Neck, Trunk	,805-809	0,	0,	0,	0,	1,	0,	0,	0,	1,							
-Fracture - Lower Limb	,820-829	1,	0,	1,	0,	0,	0,	1,	0,	3,							
-Sprains & Strains - Back	,846-847	2,	0,	2,	0,	4,	2,	4,	0,	14,							
-Sprains & Strains - Other	,840-845, 848	2,	1,	5,	0,	7,	1,	4,	1,	21,							
-Open Wound - Head, Neck, Trunk	,870-879	0,	0,	0,	0,	0,	0,	1,	0,	1,							
-Open Wound - Upper Limb	,880-887	2,	0,	1,	0,	0,	0,	0,	2,	5,							
-Injury to Blood Vessels,	,900-904	1,	0,	0,	0,	0,	0,	0,	0,	1,							
-Superficial Injury	,910-919	0,	0,	0,	0,	1,	0,	1,	2,	4,							
-Contusion	,920-924	1,	2,	1,	0,	0,	0,	1,	0,	5,							
-Crushing Injury	,925-929	1,	0,	0,	0,	0,	0,	0,	0,	1,							
-Foreign Body Entering Orifice	,930-939	0,	0,	0,	0,	1,	0,	0,	0,	1,							

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

(CONTINUED)

HANFORD 1997

OSHA DATA

Appendix U. Number of Diagnoses in Each Diagnostic Category by Gender and Occupation\*

Women											
Occupational Group											
	Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	on	onal	nical	ried	ice	Labor	ear	known	Total		
Diagnostic ICD- 9- CM Code , Category											
- Burns , 940- 949	0,	1,	0,	1,	1,	1,	0,	0,	4,		
- Complicatio- , 958- 959 ns & Unspecified											
Injuries	2,	0,	1,	0,	0,	0,	0,	0,	3,		
- Toxic , 980- 989 Effects - Nonmedicinal	2,	0,	2,	0,	0,	1,	0,	0,	5,		
- Unspecified , 990- 995 Effects - External											
Causes	2,	2,	0,	0,	0,	0,	0,	0,	4,		
Total	55,	13,	24,	2,	21,	11,	15,	9,	150,		

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

(CONTINUED)

HANFORD 1997

OSHA DATA

Appendix U. Number of Diagnoses in Each Diagnostic Category by Gender and Occupation\*

Men										
Occupational Group										
	Craf-	Othe-	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	on	onal	nical	ried	ice	rity	Labor	ear	known	Total
Diagnostic Category										
ICD-9-CM Code										
MENTAL DISORDERS	0	0	0	0	0	0	0	1	0	1
-Non-Psychotic Disorders	0	0	0	0	0	0	0	1	0	1
NERVOUS SYSTEM (NS) & SENSE ORGANS	1	0	0	0	5	0	2	0	0	8
-Disorders of Peripheral NS	1	0	0	0	3	0	0	0	0	4
-Disorders of Eye	0	0	0	0	1	0	0	0	0	1
-Dis of Ear & Mastoid	0	0	0	0	1	0	2	0	0	3
SKIN & SUBCUTANEOUS TISSUE	0	0	0	0	0	0	2	1	0	3
-Other Inflammatory Conditions	0	0	0	0	0	0	2	1	0	3
MUSCULOSKELETAL & CONNECTIVE TISSUE	4	7	3	2	1	1	13	6	0	37
-Arthropathies	0	0	1	0	0	0	5	0	0	6
-Dorsopathies	1	0	1	2	1	0	5	5	0	15
-Rheumatism										
Excluding Back	3	7	1	0	0	1	3	1	0	16

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

(CONTINUED)

HANFORD 1997

OSHA DATA

Appendix U. Number of Diagnoses in Each Diagnostic Category by Gender and Occupation\*

Men											
Occupational Group											
	Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	on	onal	nical	ried	ice	rity	Labor	ear	known	Total	
Diagnostic Category											
SYMPTOMS, 780-799											
SIGNS, & ILL-DEFINED COND.,	1	1	0	0	0	0	2	1	0	5	
-Symptoms 780-789	1	1	0	0	0	0	2	1	0	5	
INJURY AND POISONING, 800-999											
-Fracture - Skull, 800-804	0	0	0	0	0	0	1	0	0	1	
-Fracture - Neck, Trunk, 805-809	2	0	0	0	0	1	0	0	0	3	
-Fracture - Upper Limb, 810-819	0	0	1	0	0	1	5	0	0	7	
-Dislocation, 830-839	0	1	0	0	1	0	0	0	0	2	
-Sprains & Strains - Back, 846-847	2	4	8	0	12	2	9	18	0	55	
-Sprains & Strains - Other, 840-845, 848	3	4	2	0	6	1	9	5	1	31	
-Open Wound - Head, Neck, Trunk, 870-879	0	2	1	0	0	0	4	2	0	9	
-Open Wound - Upper Limb, 880-887	1	1	2	1	0	0	8	7	1	21	
-Open Wound - Lower Limb, 890-897	0	0	0	0	0	0	1	0	0	1	
-Superficial Injury, 910-919	1	2	1	0	1	0	3	1	0	9	
-Contusion, 920-924	0	0	0	0	5	1	3	4	2	15	

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

(CONTINUED)

HANFORD 1997

OSHA DATA

Appendix U. Number of Diagnoses in Each Diagnostic Category by Gender and Occupation\*

	Men									
	Occupational Group									
	Craf-	Othe-	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	on	onal	nical	ried	ice	rity	Labor	ear	known	Total
Diagnostic Category										
- Foreign Body, 930-939										
Entering Orifice	1	0	2	0	1	0	7	2	1	14
- Burns, 940-949	1	0	2	0	2	0	2	0	2	9
- Complications & Unspecified Injuries, 958-959										
- Toxic Effects - Nonmedicinal, 980-989										
- Unspecified Effects - External Causes, 990-995	0	0	1	0	1	0	0	0	0	2
Total	17	24	24	3	36	8	77	49	7	245

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

HANFORD 1997

OSHA DATA

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

Women																
Occupational Group																
	Administration	Professional	Technical	Salaries	Service	Labor	Nuclear	Other/Unknown	Crafts	and	Other/Unknown					
Diagnostic Category	Codes															
	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days
	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-tri	Res-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	cted, Lost	cted, Lost
- Disorders of Peripheral NS	350-359	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0
- Disorders of Eye	360-379	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Hernia	550-553	0	0	0	0	0	0	0	47	67	0	0	2	20	0	0
- Other Inflammatory Conditions	690-698	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Arthropathies	710-719	0	0	0	0	0	0	0	14	93	0	0	0	0	0	0
- Dorsopathies	720-724	0	1	0	0	0	0	0	0	0	13	13	0	0	1	
- Rheumatism Excluding Back	725-729	85	6	0	0	147	52	0	0	24	20	0	0	0	0	0
- Symptoms	780-789	0	0	0	0	0	0	0	14	93	0	0	0	0	0	0
- Fracture - Neck, Trunk	805-809	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0
- Fracture - Lower Limb	820-829	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0
- Sprains & Strains - Back	846-847	0	0	0	0	74	9	0	0	51	0	0	13	119	8	0

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

(CONTINUED)

HANFORD 1997

OSHA DATA

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

Women																
Occupational Group																
	Administration	Professional	Technical	Salaries	Service	Labor	Nuclear	Other/Unknown	Other/Unknown	Other/Unknown	Other/Unknown	Other/Unknown	Other/Unknown	Other/Unknown	Other/Unknown	Other/Unknown
Diagnostic Category	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes
-Sprains & Strains	840-845	846-847	848	849	850-851	852-853	854-855	856-857	858-859	860-861	862-863	864-865	866-867	868-869	870-871	872-873
Other	0	0	0	0	88	52	0	0	62	0	0	0	225	8	6	2
-Open Wound	870-879	880-887	888-895	896-903	904-911	912-919	920-924	925-929	930-939	940-949	950-959	960-969	970-979	980-989	990-999	
Head, Neck, Trunk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upper Limb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Injury to Blood Vessels	900-904	905-909	910-919	920-924	925-929	930-939	940-949	950-959	960-969	970-979	980-989	990-999				
Superficial Injury	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Contusion	920-924	925-929	930-939	940-949	950-959	960-969	970-979	980-989	990-999							
Crushing Injury	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Foreign Body Entering Orifice	930-939	940-949	950-959	960-969	970-979	980-989	990-999									
Burns	940-949	950-959	960-969	970-979	980-989	990-999										
-Complications & Unspecified Injuries	958-959	960-969	970-979	980-989	990-999											
	85	0	0	0	48	13	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/occupational combinations with at least one occurrence appear in this table.

(CONTINUED)

HANFORD 1997

OSHA DATA

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

Women																
Occupational Group																
	Crafts	Other/Un-	and	Administration	Professional	Technical	Salaried	Service	Labor	Nuclear	Other/Un-	known	known	known	known	known
Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-
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,	cted, Lost,	cted, Lost,	cted, Lost,
Diagnostic Category	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes
- Toxic Effects - Nonmedicinal	980-989															
- Unspecified External Causes	990-995	0	0	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/occupational combinations with at least one occurrence appear in this table.

(CONTINUED)



HANFORD 1997

OSHA DATA

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

Men																			
Occupational Group																			
	Administration	Professional	Technical	Other/Unknown	Salaried	Service	Security	Labor	Crafts	Manual	Nuclear	Other/Unknown	Administration	Professional	Technical	Other/Unknown	Salaried	Service	
Diagnostic Category	Codes	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	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	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	Days, Res- tri- cted, Lost	Days, Res- tri- cted, Lost	
- Non-Psychotic Disorders	300-302, 306-316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
- Disorders of Peripheral NS	350-359	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0
- Disorders of Eye	360-379	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Dis of Ear & Mastoid	380-389	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other Inflammatory Conditions	690-698	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Arthropathies	710-719	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
- Dorsopathies	720-724	0	0	0	0	0	0	61	0	5	0	0	0	26	7	91	15	0	0
- Rheumatism, Excluding Back	725-729	10	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Symptoms	780-789	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
- Fracture of Skull	800-804	0	0	0	0	0	0	0	0	0	0	0	22	4	0	0	0	0	0
- Fracture of Neck, Trunk	805-809	25	9	0	0	0	0	0	0	0	0	21	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/occupational combinations with at least one occurrence appear in this table.

(CONTINUED)

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

Men																		
Occupational Group																		
	Administ-	Professi-	Other/Un-	Technical	Salari-	Service	Security	Labor	Nuclear	Other/Un-	Crafts							
Diagnostic Category Codes	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-	Days, Res-
- Fracture, 810-819	0	0	0	0	0	0	0	0	0	0	7	0	84	22	0	0	0	0
- Dislocation, 830-839	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Sprains & Strains, 846-847	0	0	0	11	112	3	0	0	203	153	5	0	344	35	276	32	0	0
- Sprains & Strains, 840-845	9	2	30	10	30	0	0	0	67	15	0	0	226	8	102	10	24	0
- Open Wound, 870-879	0	0	0	0	0	0	0	0	0	0	0	0	27	4	0	0	0	0
- Open Wound, 880-887	0	0	0	0	25	0	0	0	0	0	0	0	87	18	33	0	0	0
- Open Wound, 890-897	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0
- Superficial Injury, 910-919	0	0	0	0	0	0	0	0	0	0	0	0	66	18	7	0	0	0
- Contusion, 920-924	0	0	0	0	0	0	0	0	0	0	21	0	86	0	13	0	87	0
- Foreign Body Entering Orifice, 930-939	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Burns, 940-949	4	0	0	0	0	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/occupational combinations with at least one occurrence appear in this table.

(CONTINUED)



HANFORD 1997

OSHA DATA

Appendix W. Number of Occurrences in Each Accident Category by Gender and Occupation\*

Women											
Occupational Group											
	Craft-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	rati-	essi-	Tech-	Sala-	Serv-	al	Nucl-	r/Un-	on	onal	nical
	ried	ice	Labor	ear	known	Total					
Type of Accident	E CODES										
Accidental	E860- E869										
Poisoning - Nonmedicinal	2	0	2	0	0	0	0	0	0	0	4
Falls	1	1	2	0	1	0	2	0	7		
Natural /Environmental Factors	0	2	0	0	1	1	0	2	6		
Submersion/Suffocation/Foreign Bodies	0	0	0	0	1	0	0	0	1		
Other Accidents	29	7	13	2	11	4	11	6	83		

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

(CONTINUED)

HANFORD 1997

OSHA DATA

Appendix W. Number of Occurrences in Each Accident Category by Gender and Occupation\*

Men										
Occupational Group										
	Craf-	Othe-	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
	on	onal	nical	ried	ice	rity	Labor	ear	known	Total
Type of Accident										
Motor Vehicle, E810- E819	2	1	0	0	0	0	0	0	0	3
Traffic										
Falls, E880- E888	1	2	4	0	3	1	7	4	0	22
Natural /Envi- ronmental Factors, E900- E909										
Submersi on/S- uffocation/F- oreign Bodies, E910- E915	1	0	2	0	1	0	7	2	1	14
Other Accidents, E916- E928	5	14	14	2	24	5	43	31	5	143

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

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OSHA DATA

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

Women																	
Occupational Group																	
Crafts																	
Other/Unknown																	
Administrative, Professional, Technical, Salaried Service, Labor, Nuclear, Other/Unknown																	
Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	
Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-tri-	Res-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	cted, Lost	cted, Lost	cted, Lost	
Type of Accident	E Codes																
Accidental, E860-E869																	
Poisoning, Nonmedicinal																	
Falls, E880-E888																	
Natural/Environmental, E900-E909																	
Submersion/Suffocation, E910-E915																	
Other Accidents, E916-E928																	
		0	0	0	0	12	0	0	0	14	0	0	0	54	8	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		85	50	2	0	270	74	0	0	157	180	0	13	274	20	6	3

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

(CONTINUED)

HANFORD 1997

OSHA DATA

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

Men																	
Occupational Group																	
	Administration	Professional	Technical	Salaries	Service	Security	Labor	Nuclear	Other/Unknown	Crafts	and	Other/Unknown	Construction	Transportation	Manufacturing	Other	Unemployed
Type of Accident	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost
Motor Vehicle Traffic	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0
Falls	25	9	0	0	19	0	0	0	0	0	7	0	134	6	76	0	0
Natural/Environmental Factors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Submersion/Suffocation/Foreign Bodies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Accidents	13	2	30	14	227	3	61	0	453	173	26	0	615	84	384	42	111

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

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OSHA DATA

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

Diagnostic Category	Administration 4,682 Person-Years				Professional 3,942 Person-Years				Technical 1,234 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	44	0.3	0.2	0.5	28	0.3	0.2	0.4	38	1.7	1.2	2.4
Nervous System & Sense Organs	11	1.8	0.7	4.9	1	0.2	0.03	1.3	1	0.6	0.1	4.3
Musculoskeletal & Connective Tissue	22	0.7	0.4	1.3	9	0.5	0.3	1.1	8	1.4	0.7	2.9
Symptoms, Signs, & Ill- Defined Cond.	2	0.4	0.1	1.7	2	1.0	0.2	4.7	2	2.8	0.6	14.0
Injury & Poisoning	24	0.2	0.1	0.4	20	0.3	0.2	0.4	33	2.0	1.4	2.8
Sprains & Strains-Back	4	0.1	0.04	0.4	4	0.1	0.1	0.4	10	2.1	1.1	4.2
Sprains & Strains-Other	5	0.2	0.1	0.6	5	0.3	0.1	0.8	6	1.5	0.6	3.4
Open Wound-Head, Neck, Trunk	0				2	0.5	0.1	2.5	1	1.1	0.1	9.4
Open Wound-Upper Limb	3	0.3	0.1	1.1	1	0.1	0.01	0.8	3	1.7	0.5	5.6
Superficial Injury	1	0.2	0.03	1.3	2	0.5	0.1	2.3	1	1.0	0.1	8.9
Contusion	1	0.1	0.01	1.1	2	0.4	0.1	1.4	1	0.8	0.1	5.9
Foreign Body Entering Orifice	1	0.2	0.03	1.6	0				2	1.9	0.5	8.0
Burns	1	0.2	0.03	1.3	1	0.3	0.04	1.5	2	1.9	0.4	8.5
Complications & Unspecified Injuries	2	0.3	0.1	2.0	2	0.4	0.1	2.0	2	2.1	0.5	9.1

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

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

\*\*\* CI = Confidence Limit

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

Diagnostic Category	Other/Unknown Salaried 840 Person-Years				Service 371 Person-Years				Security 214 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	4	0.2	0.1	0.6	41	6.5	4.7	9.1	6	1.5	0.7	3.3
Nervous System & Sense Organs	0				5	13.4	4.8	37.2	0			
Musculoskeletal & Connective Tissue	2	0.5	0.1	2.2	4	2.5	0.9	7.0	1	1.3	0.2	9.9
Symptoms, Signs, & Ill- Defined Cond.	0				1	4.8	0.6	38.3	0			
Injury & Poisoning	2	0.1	0.04	0.6	31	6.3	4.3	9.3	6	1.8	0.8	4.2
Sprains & Strains-Back	0				14	10.2	5.6	18.3	2	1.9	0.5	7.8
Sprains & Strains-Other	0				10	9.8	4.9	19.6	1	1.4	0.2	10.7
Open Wound-Head, Neck, Trunk	0				0				0			
Open Wound-Upper Limb	1	0.7	0.1	5.2	0				0			
Superficial Injury	0				2	8.7	1.9	40.2	0			
Contusion	0				3	9.7	2.7	34.2	1	4.5	0.6	35.0
Foreign Body Entering Orifice	0				2	6.1	1.3	27.9	0			
Burns	1	1.4	0.2	10.5	3	11.6	3.1	43.8	0			
Complications & Unspecified Injuries	0				1	3.2	0.4	24.2	1	6.5	0.8	55.6

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

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

\*\*\* CI = Confidence Limit

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

Diagnostic Category	Crafts and Manual Labor 877 Person-Years				Nuclear 849 Person-Years				Other/Unknown 1,838 Person-Years				Total Persons with 1+ Event
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event t*	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event t*	RR**	Lower 95% CI***	Upper 95% CI***	
All Diagnostic Categories	59	4.6	3.4	6.3	54	4.0	2.9	5.4	14	0.4	0.2	0.7	288
Nervous System & Sense Organs	2	2.9	0.6	14.6	0				1	0.3	0.05	2.4	21
Musculoskeletal & Connective Tissue	12	6.0	3.0	11.9	8	2.6	1.2	5.6	2	0.2	0.04	0.8	68
Symptoms, Signs, & Ill- Defined Cond.	1	3.4	0.4	28.8	1	2.5	0.2	24.4	1	0.6	0.1	4.2	10
Injury & Poisoning	50	4.8	3.4	6.6	45	4.3	3.1	6.0	11	0.4	0.2	0.7	222
Sprains & Strains-Back	11	2.6	1.3	5.0	21	8.3	4.8	14.3	0				66
Sprains & Strains-Other	10	5.6	2.6	11.9	9	3.6	1.7	7.7	2	0.4	0.1	1.4	48
Open Wound-Head, Neck, Trunk	4	10.7	2.5	46.7	3	5.7	1.4	23.4	0				10
Open Wound-Upper Limb	8	8.4	3.2	21.9	5	4.4	1.7	11.6	3	1.0	0.2	3.9	24
Superficial Injury	3	4.6	1.1	18.5	2	3.8	0.8	17.1	2	1.2	0.2	9.3	13
Contusion	3	3.1	0.8	11.5	5	8.4	2.8	25.4	1	0.5	0.1	3.1	17
Foreign Body Entering Orifice	6	8.2	2.9	23.2	2	2.5	0.5	11.9	1	0.8	0.1	5.9	14
Burns	3	5.0	1.4	17.9	0				2	1.4	0.3	5.8	13
Complications & Unspecified Injuries	5	9.4	2.8	30.7	0				0				13

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

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

\*\*\* CI = Confidence Limit