

HANFORD 1998

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

	Women					Men					
	Age Group					Age Group					%
	16 -	30 -	40 -		Total	16 -	30 -	40 -		Total	Total
Job Category											
Administrative	227	575	808	600	2210	39	374	935	845	2193	4403
Professional	60	230	216	91	597	107	836	1307	972	3222	3819
Technical	57	143	116	60	376	71	298	268	152	789	1165
Other/Unknown											
Salaries	30	67	56	24	177	60	132	190	128	510	687
Service	3	23	37	38	101	15	78	99	70	262	363
Security	1	5	2	5	13	4	75	92	33	204	217
Crafts and Manual Labor	1	10	24	7	42	11	128	402	296	837	879
Nuclear	22	55	52	25	154	67	260	243	78	648	802
Other/Unknown	408	291	242	163	1104	319	340	379	397	1435	2539
Total	809	1399	1553	1013	4774	693	2521	3915	2971	10100	14874

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Appendix C. Work Force Demographics

Part 1. Percentage of Men in Different Age Groups from 1993 to 1998

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
1998	7	25	39	29

Part 2. Percentage of Women in Different Age Groups from 1993 to 1998

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
1998	17	29	33	21

Part 3. Percentage of Men in Different Occupational Groups from 1993 to 1998

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
1998	22	32	8	5	3	2	8	6	14

* 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 from 1993 to 1998

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
1998	46	13	8	4	2	<1	1	3	23

* These employees were included in various categories in 1993

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

HANFORD 1998

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

	Women					Men					
	Age Group					Age Group					%
	16 -	30 -	40 -		Total	16 -	30 -	40 -		Total	Total
Job Category											
Administrative	8	39	60	36	143	1	12	28	31	72	215
Professional	0	6	13	7	26	1	24	42	45	112	138
Technical	5	17	14	7	43	4	19	21	11	55	98
Other/Unknown											
Salaries	5	2	4	1	12	0	1	5	6	12	24
Service	0	7	11	9	27	5	8	11	8	32	59
Security	0	0	0	0	0	0	6	8	2	16	16
Crafts and Manual Labor	0	2	6	0	8	1	8	33	37	79	87
Nuclear	4	8	11	9	32	4	25	16	8	53	85
Other/Unknown	6	8	5	4	23	1	3	7	1	12	35
Total	28	89	124	73	314	17	106	171	149	443	757

HANFORD 1998

Appendix E. Total Number of Absences 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												
Administrative	8	44	69	43	164	1	13	32	32	78	242	
Professional	0	6	16	7	29	1	25	46	47	119	148	
Technical	5	18	16	7	46	4	21	25	11	61	107	
Other/Unknown												
Salaries	8	3	5	2	18	0	3	5	7	15	33	
Service	0	11	14	11	36	5	10	13	11	39	75	
Security	0	0	0	0	0	0	7	8	2	17	17	
Crafts and Manual Labor	0	2	7	0	9	1	8	39	43	91	100	
Nuclear	4	8	11	10	33	5	31	18	8	62	95	
Other/Unknown	6	9	5	4	24	1	3	9	1	14	38	
Total	31	101	143	84	359	18	121	195	162	496	855	

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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 -		Total	16 -	30 -	40 -		Total
# of Calendar Days	29	39	49	50 +	Total	29	39	49	50 +	Total
< 15	15	30	40	30	115	8	54	77	56	195
15 - 28	6	25	31	25	87	3	28	55	38	124
29 - 42	4	13	21	7	45	3	10	27	23	63
43 - 56	3	10	16	6	35	3	11	13	13	40
57 - 91	2	11	17	11	41	1	6	10	13	30
92 - 182	1	10	15	5	31	0	10	8	13	31
183 +	0	2	3	0	5	0	2	5	6	13
Total	31	101	143	84	359	18	121	195	162	496

HANFORD 1998

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
Diagn-ICD-9-											
ostic ,CM											
Categ-, Code											
ory											
INFE- ,001-											
TIOUS ,139											
&											
PARAS-											
ITIC											
DISEA-											
SES											
(DIS)	2	3	3	1	9	0	4	7	7	18	27
-Inte-,001-											
stinal,009											
Infec-											
tious											
Dis	0	0	0	0	0	0	1	0	0	1	1
-Other,030-											
Bacte-,041											
rial											
Dis	1	2	2	0	5	0	0	1	1	2	7
-Polio,045-											
& ,049											
Other											
Viral											
CNS											
Dis	0	0	0	0	0	0	2	1	0	3	3
-Viral,050-											
Dis ,057											
with											
Exant-											
hem	0	0	0	0	0	0	1	1	1	3	3
-Other,070-											
Viral ,079											
Dis &											
Chlam-											
ydiae	1	1	0	1	3	0	0	3	4	7	10
-Myco-,110-											
ses ,118	0	0	1	0	1	0	0	1	1	2	3

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

(CONTINUED)

HANFORD 1998

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
Diagn- , ICD-9-											
ostic , CM											
Categ- , Code											
ory											
MALIG- , 140-											
NANT , 208,											
NEOPL- , 230-											
ASMS , 234	0	1	4	4	9	0	3	8	13	24	33
- Lip , 140-											
Oral , 149											
Cavit-											
y,											
Phary-											
nx ,	0	0	0	0	0	0	1	0	1	2	2
- Dige- , 150-											
stive , 159											
&											
Perit-											
oneal ,	0	0	0	0	0	0	0	0	4	4	4
- Resp- , 160-											
irato- , 165											
ry &											
Intra-											
thora-											
cic ,	0	0	0	0	0	0	0	0	2	2	2
- Bone , 170-											
Conne- , 173,											
ctive , 176											
Tissu-											
e,											
Skin ,	0	0	1	0	1	0	1	3	0	4	5
- Brea- , 174-											
st , 175	0	0	0	4	4	0	0	0	0	0	4
- Geni- , 179-											
touri- , 189											
nary ,	0	1	1	0	2	0	0	1	5	6	8

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

(CONTINUED)

HANFORD 1998

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
Diagn- , ICD-9-											
ostic , CM											
Categ- , Code											
ory											
-Other, 190,											
& , 193-											
Unspe-, 199											
ci fied,											
Sites	0	0	0	0	0	0	0	0	1	0	1, 1, 1,
-Nerv-, 191-											
ous , 192											
System	0	0	0	0	0	0	0	1	0	0	1, 1,
-Lymp-, 200-											
hatic , 208											
&											
Hemat-											
opoi e-											
tic	0	0	2	0	2	0	0	0	3	1	4, 6,
BENIGN, 210-											
& , 229,											
UNCER-, 235-											
TAIN , 239											
NEOPL-											
ASMS	2	4	7	3	16	1	1	4	6	12	28,
ENDOC-, 240-											
RINE/- , 279											
METAB-											
OLIC/- ,											
IMMUN-											
ITY	1	2	7	0	10	1	0	3	1	5	15,
-Thyr-, 240-											
oid , 246											
Gland											
Di sor-											
ders	0	0	1	0	1	0	0	0	0	0	1,
-Other, 250-											
Endoc-, 259											
rine											
Gland											
Dis	1	0	3	0	4	0	0	1	1	2	6,

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

(CONTINUED)

HANFORD 1998

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
Diagn-, ICD-9-											
ostic ,CM											
Categ-, Code											
ory											
-Other, 270-											
Metab-, 279											
olic &											
Immun-											
ity											
Di sor-											
ders	0	2	3	0	5	1	0	2	0	3	8
BLOOD , 280-											
& , 289											
BLOOD-											
FORM -											
NG											
ORGANS,	0	0	0	0	0	0	0	0	1	0	1
MENTAL, 290-											
DISOR-, 319											
TERS	0	12	12	7	31	1	18	10	5	34	65
- Psyc-, 290-											
hoses-, 299	0	2	1	1	4	0	2	0	0	2	6
- Non- , 300-											
Psych-, 302,											
otic , 306-											
Di sor-, 316											
ders	0	10	10	6	26	1	13	6	4	24	50
- Al co-, 303											
hol											
Depen-											
dence	0	0	0	0	0	0	1	0	0	1	1
- Drug , 304-											
Depen-, 305											
dence	0	0	1	0	1	0	2	4	1	7	8
NERVO-, 320-											
US , 389											
SYSTEM											
(NS) &											
SENSE											
ORGANS,	4	10	20	8	42	2	5	18	11	36	78

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

(CONTINUED)

HANFORD 1998

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
Diagn-ICD-9-											
ostic ,CM											
Categ-, Code											
ory											
-Infl-, 320-											
ammat-, 326											
ory											
Dis of,											
Centr-											
al NS	0	2	0	0	2	0	0	0	0	0	2
-Other, 340-											
Disor-, 349											
ders											
of											
Centr-											
al NS	1	1	1	0	3	0	1	0	1	2	5
-Diso-, 350-											
rders ,359											
of											
Perip-,											
heral											
NS	3	6	13	1	23	2	0	11	7	20	43
-Diso-, 360-											
rders ,379											
of Eye,	0	1	1	6	8	0	0	5	2	7	15
-Dis ,380-											
of Ear, 389											
&											
Masto-											
id	0	0	5	1	6	0	4	2	1	7	13
CIRCU-, 390-											
LATORY, 459											
SYSTEM	0	0	2	9	11	0	6	15	19	40	51
-Chro-, 393-											
nic ,398											
Rheum-											
atic											
Heart											
Dis	0	0	0	1	1	0	0	0	0	0	1

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

(CONTINUED)

HANFORD 1998

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	
Diagn- ICD-9-												
ostic CM												
Categ- Code												
ory												
-Hype- 401-												
rtens- 405												
ive												
Dis	0	0	0	1	1	0	1	1	0	2	3	
-Isch- 410-												
emic 414												
Heart												
Dis	0	0	0	1	1	0	0	5	9	14	15	
-Dis 415-												
of 417												
Pulmo-												
nary												
Circu-												
lation	0	0	0	0	0	0	0	0	1	1	1	
-Other 420-												
Heart 429												
Dis	0	0	0	3	3	0	2	4	5	11	14	
-Cere- 430-												
brova- 438												
scular												
Dis	0	0	0	1	1	0	1	0	1	2	3	
-Dis 440-												
of 448												
Arter-												
ies &												
Capil-												
laries	0	0	0	0	0	0	0	2	1	3	3	
-Dis 451-												
of 459												
Veins												
Lymph-												
atics												
Other	0	0	2	2	4	0	2	3	2	7	11	
RESPI- 460-												
RATORY 519												
SYSTEM	8	12	16	16	52	2	18	24	14	58	110	

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

(CONTINUED)

HANFORD 1998

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-		al
	29	39	49	50 +	al	29	39	49	50 +	al	al
Diagn-, ICD-9-											
ostic ,CM											
Categ-, Code											
ory											
-Neph-, 580-											
ritis, 589											
Neph-											
osis	1	0	0	1	2	0	0	0	0	0	2
-Other, 590-											
Urina-, 599											
ry Dis,	0	4	1	0	5	0	4	2	3	9	14
-Male , 600-											
Genit-, 608											
al											
Organ											
Dis	0	0	0	0	0	0	0	0	1	2	3
-Brea-, 610-											
st ,611											
Di sor-											
ders	0	0	4	3	7	0	0	0	0	0	7
-Pelv-, 614-											
ic ,616											
Infla-											
mmato-											
ry Dis,	1	1	0	0	2	0	0	0	0	0	2
-Other, 617-											
Female, 629											
Di sor-											
ders	4	16	16	4	40	0	0	0	0	0	40
PREGN-, 630-											
ANCY &, 677											
CHILD-											
BIRTH	1	3	0	0	4	0	0	0	0	0	4
-Ecto-, 630-											
pic & ,633											
Molar											
Pregn-											
ancy	0	2	0	0	2	0	0	0	0	0	2

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

(CONTINUED)

HANFORD 1998

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
Diagn- ICD-9-											
ostic CM											
Categ- Code											
ory											
-Preg-, 634-											
nancy , 639											
with											
Abort-											
ive											
Outco-											
me	1	1	0	0	2	0	0	0	0	0	2
SKIN &, 680-											
SUBCU-, 709											
TANEO-											
US											
TISSUE,	0	3	4	2	9	0	1	7	6	14	23
-Infe-, 680-											
ctions, 686	0	1	0	2	3	0	1	1	1	3	6
-Other, 690-											
Infla-, 698											
mmato-											
ry											
Condi-											
tions	0	0	2	0	2	0	0	0	0	0	2
-Other, 700-											
, 709	0	2	2	0	4	0	0	6	5	11	15
MUSCU-, 710-											
LOSKE-, 739											
LETAL											
&											
CONNE-											
CTIVE											
TISSUE,	11	26	37	17	91	5	26	57	46	134	225
-Arth-, 710-											
ropat-, 719											
hi es	4	4	7	7	22	2	7	12	14	35	57
-Dors-, 720-											
opath-, 724											
ies	2	10	18	2	32	3	16	28	24	71	103

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

(CONTINUED)

HANFORD 1998

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
Diagn- ICD-9-											
ostic CM											
Categ- Code											
ory											
-Rheu-, 725-											
matiss-, 729											
m											
Exclu-											
ding											
Back	3	9	12	6	30	0	3	13	7	23	53
-Other, 730-											
Dis & , 739											
Acqui-											
red											
Defor-											
mities	2	3	0	2	7	0	0	4	1	5	12
CONGE-, 740-											
NITAL , 759											
ANOMA-											
LIES	0	0	1	0	1	0	0	2	1	3	4
SYMPT-, 780-											
OMS, 799											
SIGNS,											
& ILL-											
DEFIN-											
ED											
COND.	0	8	7	1	16	2	14	9	13	38	54
- Symp-, 780-											
toms , 789	0	7	7	1	15	2	14	9	12	37	52
- Non- , 790-											
Speci-, 796											
fi c											
Abnor-											
mal											
Fi ndi-											
ngs	0	1	0	0	1	0	0	0	1	1	2
INJURY, 800-											
AND , 999											
POISO-											
NING	4	20	48	14	86	4	42	57	51	154	240

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

(CONTINUED)

HANFORD 1998

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
Diagn-, ICD-9-											
ostic ,CM											
Categ-, Code											
ory											
-Frac-, 805-											
ture -, 809											
Neck,											
Trunk ,	0	1	0	1	2	0	2	1	6	9	11
-Frac-, 810-											
ture -, 819											
Upper											
Li mb ,	0	1	3	0	4	0	3	5	2	10	14
-Frac-, 820-											
ture -, 829											
Lower											
Li mb ,	0	0	2	3	5	0	7	7	6	20	25
-Di sl-, 830-											
ocati-, 839											
on ,	0	1	6	2	9	0	4	10	5	19	28
-Spra-, 846-											
ins & , 847											
Strai-											
ns -											
Back ,	2	2	10	2	16	2	6	10	8	26	42
-Spra-, 840-											
ins & , 845,											
Strai-, 848											
ns -											
Other ,	0	7	9	2	18	2	8	16	10	36	54
-Intr-, 850-											
acran-, 854											
ial											
Injury,	0	1	1	1	3	0	0	0	2	2	5

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

(CONTINUED)

HANFORD 1998

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-		al
	29	39	49	50 +	al	29	39	49	50 +	al	al
Diagn-ICD-9-											
ostic ,CM											
Categ-, Code											
ory											
-Inte-, 860-											
rnal , 869											
Injury,											
Thora-											
x,											
Abdom-											
en,											
Pelvis,	0	0	1	0	1	0	1	0	1	2	3
-Open , 870-											
Wound , 879											
Head,											
Neck,											
Trunk ,	0	0	0	0	0	0	2	1	3	6	6
-Open , 880-											
Wound , 887											
Upper ,											
Li mb ,	0	1	1	0	2	0	0	0	0	0	2
-Open , 890-											
Wound , 897											
Lower ,											
Li mb ,	0	0	1	0	1	0	0	1	0	1	2
-Late , 905-											
Effec-, 909											
ts ,	2	1	3	1	7	0	4	2	1	7	14
-Supe-, 910-											
r f i c i -, 919											
al											
Injury,	0	1	0	0	1	0	1	0	1	2	3
-Cont-, 920-											
usi on , 924	0	1	3	2	6	0	1	1	1	3	9
-Crus-, 925-											
hi ng , 929											
Injury,	0	0	0	0	0	0	0	1	0	1	1
-Burns, 940-											
, 949	0	0	1	0	1	0	0	0	1	1	2

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

(CONTINUED)

HANFORD 1998

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-		al
	29	39	49	50 +	al	29	39	49	50 +	al	al
Diagn-ICD-9-											
ostic ,CM											
Categ-, Code											
ory											
-Inju-, 950-											
ry to , 957											
Nerves,											
&											
Spinal,											
Cord	0	0	1	0	1	0	0	0	1	1	2
- Comp-, 958-											
li cat-, 959											
ions &											
Unspe-											
cified,											
Injur-											
ies	0	1	3	0	4	0	0	0	1	1	5
- Toxic, 980-											
Effec-, 989											
ts -											
Nonme-											
di cin-											
al	0	0	0	0	0	0	0	0	0	1	1
- Unsp-, 990-											
ecifi-, 995											
ed											
Effec-											
ts -											
Exter-											
nal											
Causes,	0	1	0	0	1	0	1	0	0	1	2
- Comp-, 996-											
li cat-, 999											
ions											
of											
Surgi -											
cal /M,											
edi cal,											
Care	0	1	3	0	4	0	2	2	1	5	9

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

(CONTINUED)

HANFORD 1999

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
Diagn- ICD-9-											
ostic CM											
Categ- Code											
ory											
HEALTH, V01-											
STATU-, V82											
S/HEA-											
LTH											
SERVI-											
CE											
CONTA-											
CT	1	1	1	1	4	0	0	0	2	2	6
- Heal-, V20-											
th V29											
Servi-											
ces											
Repro-											
ducti-											
on/De-											
velop-											
ment	0	1	0	0	1	0	0	0	0	0	1
- Spec-, V50-											
ific V59											
Proce-											
dures-											
/Afte-											
rcare	1	0	1	1	3	0	0	0	2	2	5
Total	44	138	224	99	505	22	163	246	223	654	1159

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

HANFORD 1998

Appendix I. Total Number of Calendar Days Absent 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	
Diagnoses/Parasites	20	46	171	17	254	0	60	170	199	429	683
Cancers	0	63	139	249	451	0	400	786	1064	2250	2701
Benign Growths	123	130	319	138	710	76	13	483	303	875	1585
Endocrine/Metabolic	161	73	478	0	712	42	0	54	169	265	977
Blood	0	0	0	0	0	0	0	154	0	154	154
Mental	0	1222	766	187	2175	38	650	190	386	1264	3439
Nervous System	93	416	946	94	1549	51	48	339	657	1095	2644
Heart/Circulatory	0	0	85	231	316	0	167	457	1077	1701	2017
Respiratory	84	143	463	224	914	18	200	486	182	886	1800
Digestive	134	363	1014	302	1813	77	328	596	465	1466	3279
Genitourinary	243	520	1061	339	2163	0	153	40	77	270	2433
Miscellaneous	14	91	0	0	105	0	0	0	0	0	105
Skin	0	63	182	30	275	0	29	142	249	420	695
Muscles and Skeleton	178	1131	1842	757	3908	149	966	1827	2271	5213	9121

*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 1998

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 -		Total	16 -	30 -	40 -		Total	Total
	29	39	49	50 +		29	39	49	50 +		
Diagnos-											
tic											
Category,											
Existing,											
Birth											
Condi ti-											
on	0,	0,	25,	0,	25,	0,	0,	176,	8,	184,	209,
Unspeci-											
fied											
Symptoms,	0,	751,	171,	21,	943,	7,	350,	166,	360,	883,	1826,
Injury	65,	600,	1624,	395,	2684,	100,	1391,	1494,	1260,	4245,	6929,

*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 1998

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

Women										
Job Category										
	Admi-	nist-	Prof-	Tech-	Sala-	Serv-	al	Nucl-	r/Un-	Total
Diagnosic Category										
INFECTIOUS & PARASITIC DISEASES (DIS)	4	1	2	0	0	0	1	1	9	
-Other Bacterial Dis	2	0	2	0	0	0	1	0	5	
-Other Viral Dis & Chlamydiae	1	1	0	0	0	0	0	1	3	
-Mycoses	1	0	0	0	0	0	0	0	1	
MALIGNANT NEOPLASMS	3	2	0	2	2	0	0	0	9	
-Bone, Connective Tissue, Skin	1	0	0	0	0	0	0	0	1	
-Breast	2	0	0	0	2	0	0	0	4	
-Genitourinary	0	2	0	0	0	0	0	0	2	
-Lymphatic & Hematopoietic	0	0	0	2	0	0	0	0	2	
BENIGN & UNCERTAIN NEOPLASMS	11	1	0	1	1	1	0	1	16	
ENDOCRINE/METABOLIC/IMMUNITY	5	0	0	1	1	2	1	0	10	
-Thyroid Gland Disorders	1	0	0	0	0	0	0	0	1	

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

(CONTINUED)

HANFORD 1998

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

Women											
Job Category											
	Craf-	Othe-	ts	Admi-	r/Un-	and	nist-	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										
- Other	250-259										
Endocrine Gland Dis		2	0	0	1	1	0	0	0	0	4
- Other	270-279										
Metabolic & Immunity Disorders		2	0	0	0	0	2	1	0	5	
MENTAL DISORDERS	290-319										
- Psychoses	290-299	2	0	0	1	0	0	0	0	1	4
- Non-Psychotic Disorders	300-302, 306-316										
- Drug Dependence	304-305										
NERVOUS SYSTEM (NS) & SENSE ORGANS		22	4	5	2	4	0	2	3	42	
- Inflammatory Disorders of Central NS	320-326										
- Other Disorders of Central NS	340-349	2	0	0	0	0	0	0	0	2	
- Disorders of Peripheral NS	350-359										
- Disorders of Eye	360-379	9	4	4	2	1	0	2	1	23	
- Disorders of Ear & Mastoid	380-389										
		7	0	0	0	0	0	0	1	8	
		4	0	0	0	2	0	0	0	6	

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

(CONTINUED)

HANFORD 1998

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

Women											
Job Category											
	Craf-	Othe-	ts	Admi-	r/Un-	and	nist-	Prof-	known,	Manu-	Othe-
	rati-	essi-	Tech-	Sala-	Serv-	al	Nucl-	r/Un-	on	onal	nical
	ried	ice	Labor	ear	known	Total					
Diagnostic Category											
- Rheumatism, 725-729	13	2	3	1	5	1	5	0	30		
- Other Dis &, 730-739											
Acquired Deformities	5	1	1	0	0	0	0	0	7		
CONGENITAL ANOMALIES, 740-759	0	0	0	0	0	0	1	0	1		
SYMPTOMS, SIGNS, & ILL-DEFINED COND., 780-799	8	0	2	1	1	0	1	3	16		
- Symptoms, 780-789	8	0	2	1	1	0	1	2	15		
- Non-Specific, 790-796											
Abnormal Findings	0	0	0	0	0	0	0	1	1		
INJURY AND POISONING, 800-999	18	12	14	5	12	7	10	8	86		
- Fracture - Neck, Trunk, 805-809	1	0	0	0	0	0	1	0	2		
- Fracture - Upper Limb, 810-819	2	1	1	0	0	0	0	0	4		
- Fracture - Lower Limb, 820-829	1	1	0	0	1	0	2	0	5		
- Dislocation, 830-839	3	1	0	1	1	1	1	1	9		
- Sprains & Strains - Back, 846-847	0	3	4	0	2	2	2	3	16		

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

(CONTINUED)

HANFORD 1998

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

Women										
Job Category										
Diagnostic Category	ICD-9-CM Code									
-Sprains & Strains - Other	840-845, 848	4	2	1	0	4	3	4	0	18
-Intracranial Injury	850-854	2	0	1	0	0	0	0	0	3
-Internal Injury - Thorax, Abdomen, Pelvis	860-869	0	0	0	1	0	0	0	0	1
-Open Wound - Upper Limb	880-887	1	0	0	0	0	0	0	0	2
-Open Wound - Lower Limb	890-897	0	0	0	0	1	0	0	0	1
-Late Effects	905-909	0	1	4	0	0	0	0	2	7
-Superficial Injury	910-919	0	0	0	0	1	0	0	0	1
-Contusion	920-924	0	1	1	2	2	0	0	0	6
-Burns	940-949	0	1	0	0	0	0	0	0	1
-Injury to Nerves & Spinal Cord	950-957	0	1	0	0	0	0	0	0	1
-Complications & Unspecified Injuries	958-959	2	0	0	1	0	0	0	0	4
-Unspecified Effects - External Causes	990-995	1	0	0	0	0	0	0	0	1

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

(CONTINUED)

HANFORD 1998

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

Men											
Diagnostic Category	ICD-9- CM Code										
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	4	4	0	2	1	2	4	1	0	18
- Intestinal Infectious Dis	001-009	0	0	0	1	0	0	0	0	0	1
- Other Bacterial Dis	030-041	2	0	0	0	0	0	0	0	0	2
- Polio & Other Viral CNS Dis	045-049	1	1	0	0	0	1	0	0	0	3
- Viral Dis with Exanthem	050-057	0	1	0	1	0	0	0	1	0	3
- Other Viral Dis & Chlamydiae	070-079	1	2	0	0	1	1	2	0	0	7
- Mycoses	110-118	0	0	0	0	0	0	2	0	0	2
MALIGNANT NEOPLASMS	140-208, 230-234	5	10	2	2	0	1	1	3	0	24
- Lip, Oral Cavity, Pharynx	140-149	0	1	1	0	0	0	0	0	0	2
- Digestive & Peritoneal	150-159	0	3	0	0	0	0	1	0	0	4
- Respiratory & Intrathoracic	160-165	0	0	1	0	0	0	0	1	0	2

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

(CONTINUED)

HANFORD 1998

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

Men											
Job Category											
	Craf-	Othe-	ts	Admi-	r/Un-	and	ni st-	Prof-	known,	Manu-	Othe-
Diagnostic Category	ICD-9- CM Code										
- Bone, Connective Tissue, Skin	170-173, 176	1	1	0	0	0	1	0	1	0	4
- Genitourinary	179-189	2	2	0	1	0	0	0	1	0	6
- Other & Unspecified Sites	190, 193-199	1	0	0	0	0	0	0	0	0	1
- Nervous System	191-192	0	1	0	0	0	0	0	0	0	1
- Lymphatic & Hematopoietic	200-208	1	2	0	1	0	0	0	0	0	4
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	0	4	2	0	1	0	3	2	0	12
ENDOCRINE/METABOLIC/IMMUNITY	240-279	1	0	2	0	0	0	0	2	0	5
- Other Endocrine Gland Disorders	250-259	1	0	0	0	0	0	0	1	0	2
- Other Metabolic & Immunity Disorders	270-279	0	0	2	0	0	0	0	1	0	3
BLOOD & BLOOD FORMING ORGANS	280-289	0	0	0	0	0	0	1	0	0	1
MENTAL DISORDERS	290-319	6	8	8	4	2	0	3	1	2	34

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

(CONTINUED)

HANFORD 1998

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

Men										
Diagnostic Category	ICD-9-CM Code									
- Psychoses	290-299	0	2	0	0	0	0	0	0	2
- Non-Psychotic Disorders	300-302, 306-316	6	3	6	4	0	0	2	1	24
- Alcohol Dependence	303	0	0	0	0	1	0	0	0	1
- Drug Dependence	304-305	0	3	2	0	1	0	1	0	7
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	5	11	6	0	4	0	8	2	36
- Other Disorders of Central NS	340-349	0	1	1	0	0	0	0	0	2
- Disorders of Peripheral NS	350-359	3	3	4	0	2	0	8	0	20
- Disorders of Eye	360-379	1	5	1	0	0	0	0	0	7
- Dis of Ear & Mastoid	380-389	1	2	0	0	2	0	0	2	7
CIRCULATORY SYSTEM	390-459	7	11	3	3	3	0	10	3	40
- Hypertensive Dis	401-405	0	0	0	0	1	0	0	1	2
- Ischemic Heart Dis	410-414	3	2	0	1	0	0	8	0	14
- Dis of Pulmonary Circulation	415-417	0	1	0	0	0	0	0	0	1

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

(CONTINUED)

HANFORD 1998

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

Men											
Diagnostic Category	ICD-9-CM Code	Admi-nist-rati-on	Prof-ess-ional	Tech-nical	Salari-ried	Serv-ice	Secu-rity	al	Nucl-ear	r/Un-known	Total
DIGESTIVE SYSTEM	520-579	11	21	9	0	7	2	11	8	0	69
- Oral Cavity	520-529										
Saliva Glands, Jaw		0	0	0	0	0	0	0	1	0	1
- Esophagus	530-537										
Stomach, Duodenum		0	1	0	0	0	0	1	2	0	4
- Appendicitis	540-543	2	1	1	0	0	1	0	1	0	6
- Hernia	550-553	4	8	5	0	3	0	6	3	0	29
- Enteritis, Colitis	555-558	0	2	0	0	1	0	0	0	0	3
- Other	560-569										
Intestinal Dis		0	5	0	0	1	0	2	0	0	8
- Other	570-579										
Digestive Dis		5	4	3	0	2	1	2	1	0	18
GENITOURINARY SYSTEM	580-629	1	0	0	1	0	2	2	4	2	12
- Other	590-599										
Urinary Dis		1	0	0	0	0	1	1	4	2	9
- Male Genital	600-608										
Organ Dis		0	0	0	1	0	1	1	0	0	3
SKIN & SUBCUTANEOUS TISSUE	680-709	1	3	0	0	1	0	5	2	2	14
- Infections	680-686	0	0	0	0	0	0	2	0	1	3
- Other	700-709	1	3	0	0	1	0	3	2	1	11

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

(CONTINUED)

HANFORD 1998

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

Men											
Diagnostic Category	ICD-9-CM Code	Admi- nist- rati- on	Prof- essional	Known, nical	Manu- rial	Othe- r/Un- known	Craf- ts	and	Nucl- ear	Total	
MUSCULOSKELE- TAL & CONNECTIVE TISSUE	710-739	27	25	13	3	13	4	27	18	4	134
- Arthropathi- es	710-719	9	5	2	0	3	0	8	6	2	35
- Dorsopathi- es	720-724	11	14	9	2	8	1	14	10	2	71
- Rheumati- sm	725-729										
Excludi- ng Back		4	5	2	1	1	3	5	2	0	23
- Other Dis &	730-739										
Acqui- red Deformi- ties		3	1	0	0	1	0	0	0	0	5
CONGENITAL ANOMALIES	740-759	0	2	0	0	0	0	0	1	0	3
SYMPTOMS, SIGNS, & ILL- DEFINED COND.		7	6	7	1	3	1	2	8	3	38
- Symptom- s	780-789	7	6	7	1	2	1	2	8	3	37
- Non-Speci- fic	790-796										
Abnorm- al Findings		0	0	0	0	1	0	0	0	0	1
INJURY AND POISONING	800-999	19	35	15	4	18	6	31	21	5	154
- Fracture - Neck, Trunk	805-809	1	3	1	0	1	0	3	0	0	9
- Fracture - Upper Limb	810-819	1	2	4	0	1	1	0	1	0	10

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

(CONTINUED)

HANFORD 1998

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

	Men											
	Job Category											
	Craf-	Othe-	ts	Admi-	r/Un-	and	nist-	Prof-	known,	Manu-	Othe-	
	on	onal	nical	ried	ice	rity	Labor	ear	known	Total		
Diagnostic Category	ICD-9-CM Code											
- Injury to Nerves & Spinal Cord	950-957	0	0	0	0	0	0	0	1	0	0	1
- Complications & Unspecified Injuries	958-959											
- Toxic Effects - Nonmedicinal	980-989											
- Unspecified Effects - External Causes	990-995	0	0	0	0	1	0	0	0	0	0	1
- Complications of Surgical/Medical Care	996-999	0	2	0	0	1	1	0	1	0	0	5
HEALTH STATUS/HEALTH SERVICE CONTACT	V01-V82	0	2	0	0	0	0	0	0	0	0	2
- Specific Procedures/Aftercare	V50-V59	0	2	0	0	0	0	0	0	0	0	2
Total		100	157	78	22	57	21	117	84	18	654	

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

HANFORD 1998

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 1998

Rates per 1,000 Men

Men	All Diagnostic Categories			Cancer			Heart/Circulatory		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	81	86	91	1	1	2	8	10	12
1994	74	79	84	1	1	2	7	8	10
1995	65	69	74	1	2	3	4	6	7
1996	68	74	80	1	2	3	4	5	7
1997	72	78	85	1	1	2	3	4	6
1998	51	56	62	1	2	3	2	3	4

Year	Respiratory			Injury*		
	Lower	Mid	Upper	Lower	Mid	Upper
1993	16	18	21	15	17	20
1994	11	13	15	17	19	22
1995	11	13	16	12	14	17
1996	9	11	14	14	17	21
1997	12	15	19	15	18	22
1998	4	5	7	11	13	16

*For 1993, rate based on external causes of injury data; for 1994 through 1998, rate based on injury and poisoning data.

Rates per 1,000 Women

Women	All Diagnostic Categories			Cancer			Heart/Circulatory		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	123	133	144	2	4	6	2	4	6
1994	115	124	134	1	2	4	4	5	8
1995	111	120	129	2	3	4	2	4	7
1996	120	130	141	1	2	3	2	4	7
1997	119	131	144	2	3	8	3	5	9
1998	92	102	113	1	2	3	1	3	5

Year	Respiratory			Injury*		
	Lower	Mid	Upper	Lower	Mid	Upper
1993	23	27	32	18	21	26
1994	22	26	31	13	16	20
1995	16	19	23	16	19	22
1996	14	18	23	15	19	23
1997	12	16	22	12	16	20
1998	9	12	17	12	16	20

*For 1993, rate based on external causes of injury data; for 1994 through 1998, rate based on injury and poisoning data.

(CONTINUED)

HANFORD 1998

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 1998

Rates per 1,000 Men

Men	Administration			Professional			Technical			Other/Unknown Salaried		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	59	71	87	47	54	62	77	90	105	*	*	*
1994	55	65	78	48	56	64	68	83	100	26	41	63
1995	42	51	63	46	52	60	68	83	101	2	10	39
1996	34	41	51	36	43	51	70	86	107	6	20	62
1997	29	35	43	32	40	50	71	90	115	12	24	48
1998	26	39	58	33	41	52	69	92	121	24	38	59

Year	Service			Security			Crafts and Manual Labor			Nuclear		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	153	182	218	**	**	**	115	133	153	121	149	184
1994	94	116	143	**	**	**	97	116	138	162	220	298
1995	146	181	225	25	46	85	88	110	137	162	209	271
1996	149	200	268	85	127	189	112	138	169	141	178	223
1997	216	290	390	104	151	221	137	199	291	192	232	280
1998	168	249	369	44	72	118	75	118	186	84	110	144

Year	Other/Unknown		
	Lower	Mid	Upper
1993	13	23	40
1994	108	128	151
1995	2	7	27
1996	23	43	80
1997	26	36	49
1998	7	11	18

* These employees were included in various categories in 1993

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

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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 1998

Rates per 1,000 Women

Women	Administration			Professional			Technical			Other/Unknown Salaried		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	106	118	132	75	99	130	149	180	217	*	*	*
1994	102	113	125	93	124	167	149	181	222	41	73	128
1995	92	102	113	98	120	147	180	218	265	1	5	34
1996	98	109	122	48	64	86	166	205	254	6	45	322
1997	96	111	128	85	128	194	147	191	247	29	64	145
1998	81	95	111	46	70	107	130	172	228	107	162	248

Year	Service			Security			Crafts and Manual Labor			Nuclear		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	296	381	490	**	**	**	68	154	347	340	442	573
1994	179	242	328	**	**	**	108	191	339	327	440	590
1995	195	257	338	0	0	0	226	333	491	237	339	486
1996	335	422	532	90	254	713	195	379	736	236	321	438
1997	378	493	642	69	184	495	621	1037	1732	320	435	592
1998	267	359	481	0	0	0	124	208	347	200	298	445

Year	Other/Unknown		
	Lower	Mid	Upper
1993	36	62	106
1994	60	81	109
1995	2	8	26
1996	1	4	16
1997	36	50	70
1998	23	33	46

* These employees were included in various categories in 1993

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

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

Diagnostic Category	Administration 4, 403 Person-Years				Professional 3, 819 Person-Years				Technical 1, 165 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	215	0.8	0.7	0.9	138	0.7	0.6	0.8	98	1.8	1.4	2.2
Infectious & Parasitic Diseases	8	1.0	0.4	2.4	5	0.6	0.2	1.7	2	1.0	0.2	4.3
Malignant Neoplasms	8	0.8	0.3	1.8	11	1.5	0.7	3.2	2	1.0	0.2	4.2
Benign & Uncertain Neoplasms	11	1.1	0.5	2.6	5	0.8	0.3	2.3	2	1.0	0.2	4.2
Endocrine/Metabolic/Immunity	4	0.8	0.2	2.8	0				1	1.1	0.1	8.1
Mental Disorders	18	1.0	0.5	1.8	6	0.4	0.2	1.1	9	2.4	1.2	5.0
Nervous System & Sense Organs	21	0.9	0.5	1.7	10	0.6	0.3	1.3	9	2.1	1.0	4.3
Circulatory System	13	0.9	0.4	1.8	11	0.8	0.4	1.5	4	1.3	0.5	3.8
Respiratory System	22	0.6	0.4	1.0	18	0.8	0.5	1.3	15	2.3	1.3	4.0
Digestive System	42	1.2	0.8	1.9	22	0.8	0.5	1.3	13	1.5	0.9	2.8
Genitourinary System	25	0.9	0.6	1.6	2	0.2	0.05	0.7	12	2.9	1.5	5.4
Skin & Subcutaneous Tissue	6	0.7	0.2	2.0	3	0.4	0.1	1.5	1	0.6	0.1	4.8
Musculoskeletal & Connective Tissue	51	0.8	0.6	1.2	28	0.6	0.4	0.8	21	1.6	1.0	2.6
Symptoms, Signs, & Ill-Defined Cond.	13	1.0	0.5	1.9	5	0.3	0.1	0.9	4	1.1	0.4	3.2
Injury & Poisoning	27	0.4	0.2	0.5	37	0.7	0.5	1.0	18	1.3	0.8	2.1
Fracture-Upper Limb	3	0.7	0.2	3.0	2	0.6	0.1	2.3	4	6.1	1.8	21.1
Fracture-Lower Limb	1	0.1	0.01	0.9	9	1.4	0.6	3.3	1	0.5	0.1	3.6
Dislocation	5	0.4	0.2	1.1	6	0.7	0.3	1.9	3	1.5	0.5	4.8
Sprains & Strains-Back	3	0.2	0.1	0.6	4	0.4	0.1	1.0	4	1.5	0.5	4.4
Sprains & Strains-Other	7	0.4	0.2	0.8	11	0.8	0.4	1.6	4	1.1	0.4	2.9
Late Effects	0				2	0.7	0.2	3.2	2	2.4	0.5	10.7

* 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 M Relative Risk Estimates for Selected Diagnostic Categories Among 5-Day Absences

Diagnostic Category	Other/Unknown Salaried 687 Person-Years				Service 363 Person-Years				Security 217 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	24	0.7	0.5	1.1	59	3.3	2.6	4.4	16	1.7	1.0	2.7
Infectious & Parasitic Diseases	2	1.7	0.4	7.4	1	1.6	0.2	11.8	2	5.7	1.3	24.8
Malignant Neoplasms	3	2.5	0.8	8.1	1	1.3	0.2	9.8	1	2.4	0.3	18.0
Benign & Uncertain Neoplasms	1	0.8	0.1	6.2	2	3.3	0.8	14.2	0			
Endocrine/Metabolic/Immunity	1	1.9	0.3	14.4	1	4.3	0.5	33.7	0			
Mental Disorders	2	0.9	0.2	3.8	2	1.6	0.4	6.6	0			
Nervous System & Sense Organs	1	0.4	0.1	2.7	7	5.5	2.5	12.1	0			
Circulatory System	3	1.6	0.5	5.0	3	2.5	0.8	8.1	0			
Respiratory System	4	1.0	0.4	2.7	9	4.3	2.1	8.5	3	2.6	0.8	8.2
Digestive System	1	0.2	0.03	1.4	8	3.0	1.5	6.2	2	1.5	0.4	6.1
Genitourinary System	4	1.7	0.6	4.8	1	0.7	0.1	5.4	2	6.4	1.5	27.4
Skin & Subcutaneous Tissue	0				1	1.9	0.3	14.0	0			
Musculoskeletal & Connective Tissue	3	0.4	0.1	1.2	23	5.9	3.8	9.2	3	1.3	0.4	4.1
Symptoms, Signs, & Ill-Defined Cond.	2	1.0	0.2	4.0	4	4.0	1.4	11.0	1	1.6	0.2	11.8
Injury & Poisoning	5	0.6	0.2	1.4	23	5.5	3.6	8.5	6	2.3	1.0	5.2
Fracture-Upper Limb	0				1	3.6	0.5	27.5	1	5.7	0.7	45.9
Fracture-Lower Limb	2	1.9	0.5	8.2	2	3.2	0.8	13.5	2	4.9	1.1	21.4
Dislocation	1	0.8	0.1	5.9	3	4.5	1.4	15.2	0			
Sprains & Strains-Back	0				7	9.4	4.1	21.4	1	2.1	0.3	15.7
Sprains & Strains-Other	1	0.4	0.1	3.1	6	5.5	2.4	12.9	1	1.4	0.2	10.7
Late Effects	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)

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

Diagnostic Category	Crafts and Manual Labor 879 Person-Years				Nuclear 802 Person-Years				Other/Unknown 2,539 Person-Years				Total Persons with 1+ Event
	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	87	2.4	1.9	3.0	85	2.5	2.0	3.1	35	0.2	0.2	0.3	757
Infectious & Parasitic Diseases	4	2.8	0.9	8.6	2	1.6	0.4	6.7	1	0.1	0.01	1.7	27
Malignant Neoplasms	1	0.4	0.1	3.1	3	2.4	0.7	8.0	0				30
Benign & Uncertain Neoplasms	4	4.0	1.3	12.5	2	1.9	0.4	8.7	1	0.2	0.03	1.1	23
Endocrine/Metabolic/Immunity	2	5.1	1.3	20.0	3	8.6	2.0	35.9	0				12
Mental Disorders	3	1.6	0.5	5.3	4	1.6	0.6	4.4	6	0.7	0.3	1.7	50
Nervous System & Sense Organs	7	2.7	1.2	6.3	3	1.1	0.3	3.6	3	0.2	0.1	0.8	61
Circulatory System	9	3.0	1.4	6.4	3	1.4	0.4	4.5	0				46
Respiratory System	8	1.9	0.9	4.0	11	2.6	1.4	4.9	2	0.1	0.03	0.4	92
Digestive System	10	2.0	1.0	3.9	10	1.9	1.0	3.6	4	0.2	0.1	0.5	112
Genitourinary System	4	3.1	1.1	9.0	6	3.0	1.2	7.1	4	0.3	0.1	0.8	60
Skin & Subcutaneous Tissue	6	5.7	2.2	14.8	3	3.5	1.0	12.2	2	0.6	0.2	2.6	22
Musculoskeletal & Connective Tissue	21	2.3	1.4	3.7	20	2.5	1.6	4.0	7	0.2	0.1	0.4	177
Symptoms, Signs, & Ill-Defined Cond.	2	0.7	0.2	3.1	7	3.5	1.5	8.2	6	0.9	0.4	2.1	44
Injury & Poisoning	32	3.4	2.3	5.1	25	2.9	1.9	4.4	11	0.3	0.2	0.6	184
Fracture-Upper Limb	0				1	1.5	0.2	13.5	0				12
Fracture-Lower Limb	3	1.9	0.6	6.4	4	3.3	1.1	9.8	0				24
Dislocation	4	2.4	0.8	7.0	5	4.3	1.5	11.8	1	0.2	0.03	1.9	23
Sprains & Strains-Back	7	4.0	1.7	9.4	4	2.2	0.8	6.2	6	1.0	0.4	2.4	30
Sprains & Strains-Other	10	4.1	2.1	8.3	7	3.0	1.3	6.6	1	0.1	0.01	1.0	43
Late Effects	1	2.3	0.2	21.7	4	15.1	3.1	73.4	2	0.8	0.1	4.7	11

* 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

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Appendix N. Sentinel Health Events for Occupations (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

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Appendix N. Sentinel Health Events for Occupations (SHE0)

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

(CONTINUED)

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

	Women					Men					
	Age Group					Age Group					%
	16 -	30 -	40 -			16 -	30 -	40 -			Total
	29	39	49	50 +	Total	29	39	49	50 +	Total	Total
Job Category											
Administration	6	6	12	4	28	0	1	5	2	8	36
Professional	0	3	2	2	7	0	4	11	2	17	24
Technical	4	4	5	3	16	1	9	9	1	20	36
Other/Unknown											
Salari ed	0	1	0	0	1	0	0	1	0	1	2
Service	0	2	3	0	5	1	6	8	3	18	23
Securi ty	0	0	0	0	0	0	1	2	0	3	3
Crafts and Manual											
Labor	0	0	4	1	5	0	11	28	22	61	66
Nuclear	3	2	6	3	14	4	19	12	7	42	56
Other/Unknown	3	1	2	0	6	1	1	3	2	7	13
Total	16	19	34	13	82	7	52	79	39	177	259

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OSHA DATA

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

	Women	Men	Total
Days	Days	Days	Days
# of ,Restr-, Days , # of ,Restr-, Days , # of ,Restr-, Days ,	Events, icted , Lost	Events, icted , Lost	Events, icted , Lost
Age Group			
16 - 29	16,	62,	76,
30 - 39	19,	97,	116,
40 - 49	34,	164,	198,
50 +	14,	277,	291,
Total	83,	600,	683,

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OSHA DATA

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

	Women		Men		Total	
	Days	# of Restr- Events, icted , Lost	Days	# of Restr- Events, icted , Lost	Days	# of Restr- Events, icted , Lost
Job Category						
Administration	28,	0,	27,	8,	57,	5,
Professional	7,	5,	20,	17,	16,	46,
Technical	16,	88,	103,	21,	138,	4,
Other/Unknown Salaried	1,	0,	0,	1,	0,	0,
Service	5,	119,	111,	20,	230,	20,
Security	0,	0,	0,	3,	0,	0,
Crafts and Manual Labor	5,	24,	0,	62,	518,	199,
Nuclear	15,	364,	24,	43,	620,	69,
Other/Unknown	6,	0,	0,	7,	0,	5,
Total	83,	600,	285,	182,	1579,	348,

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OSHA DATA

Appendix R. 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		
MENTAL DISORDERS, ICD-9-CM Code 290-319	0	0	0	0	0	0	0	0	1	0	1	1
- Non-Psychotic Disorders, ICD-9-CM Code 300-302, 306-316	0	0	0	0	0	0	0	0	1	0	1	1
NERVOUS SYSTEM (NS) & SENSE ORGANS, ICD-9-CM Code 320-389	2	0	9	3	14	0	0	4	0	4	18	18
- Disorders of Peripheral NS, ICD-9-CM Code 350-359	2	0	8	3	13	0	0	2	0	2	15	15
- Disorders of Eye, ICD-9-CM Code 360-379	0	0	1	0	1	0	0	2	0	2	3	3
RESPIRATORY SYSTEM, ICD-9-CM Code 460-519	0	0	0	0	0	0	0	1	0	1	1	1
- Other Disorders of Upper Respiratory Tract, ICD-9-CM Code 470-478	0	0	0	0	0	0	0	1	0	1	1	1
DIGESTIVE SYSTEM, ICD-9-CM Code 520-579	0	0	0	0	0	0	0	1	2	2	5	5
- Oral Cavity, ICD-9-CM Code 520-529	0	0	0	0	0	0	0	1	0	1	1	1
- Hernia, ICD-9-CM Code 550-553	0	0	0	0	0	0	0	1	1	2	4	4
SKIN & SUBCUTANEOUS TISSUE, ICD-9-CM Code 680-709	2	1	0	1	4	0	0	1	1	2	6	6
- Infections, ICD-9-CM Code 680-686	0	0	0	0	0	0	0	1	0	1	1	1
- Other Inflammatory Conditions, ICD-9-CM Code 690-698	2	1	0	1	4	0	0	0	1	1	5	5

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

(CONTINUED)

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OSHA DATA

Appendix R. 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	
MUSCULOSKELETAL & CONNECTIVE TISSUE											
- Arthropathies, 710-719	4	0	2	1	7	0	6	3	0	9	16
- Dorsopathies, 720-724	1	1	4	1	7	1	5	11	3	20	27
- Rheumatism, 725-729											
Excluding Back	1	5	10	0	16	1	4	9	3	17	33
SYMPTOMS, SIGNS, & ILL-DEFINED COND., 780-789	7	5	4	0	16	0	1	3	0	4	20
- Symptoms, 780-789	7	5	4	0	16	0	1	3	0	4	20
INJURY AND POISONING, 800-999											
- Fracture - Skull, 800-804	0	0	0	0	0	0	1	0	0	1	1
- Fracture - Upper Limb, 810-819	0	1	0	0	1	0	1	2	1	4	5
- Fracture - Lower Limb, 820-829	0	1	0	2	3	0	1	0	1	2	5
- Dislocation, 830-839	0	0	1	0	1	0	3	1	1	5	6
- Sprains & Strains - Back, 840-845, 848	1	4	7	4	16	4	18	24	9	55	71
- Sprains & Strains - Other, 846-847	1	5	11	3	20	1	10	16	9	36	56
- Intracranial Injury, 850-854	0	0	0	0	0	0	0	1	0	1	1

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

(CONTINUED)

HANFORD 1998

OSHA DATA

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

Diagnostic Category	Women					Men					Total	Total
	Age Group					Age Group						
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total		
- Open Wound - , 870-879												
Head, Neck, Trunk												
- Open Wound - , 880-887												
Upper Limb	0	2	0	3	5	1	5	9	5	20	25	
- Open Wound - , 890-897												
Lower Limb	0	1	1	0	2	0	3	1	0	4	6	
- Superficial Injury , 910-919												
- Contusion , 920-924												
Foreign Body, 930-939												
Entering Orifice												
- Burns , 940-949												
- Injury to Nerves & Spinal Cord , 950-957												
- Complications & Unspecified Injuries , 958-959												
- Toxic Effects - Nonmedicinal , 980-989												
- Unspecified Effects - External Causes , 990-995												
Total	27	32	59	21	139	9	82	117	46	254	393	

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

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OSHA DATA

Appendix S. 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	8	0
- Open Wound - , 890-897	0	0	0	1	0	0	0	0	0
- Superficial , 910-919	0	0	40	0	0	0	0	0	0
- Contusion , 920-924	6	0	40	0	0	0	5	10	
- Foreign Body, 930-939									
- Burns , 940-949	0	0	0	0	0	0	0	0	0
- Injury to , 950-957									
- Nerves & , Spinal Cord	0	0	0	0	0	0	37	11	
- Complicatio-, 958-959									
- ns & , Unspeci fied									
- Injuri es	0	0	0	0	0	0	0	0	0
- Toxi c , 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)

HANFORD 1998

OSHA DATA

Appendix S. 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-
		tri-	Days	tri-	Days	tri-	Days	tri-	Days
		cted, Lost	cted, Lost	cted, Lost	cted, Lost				
Diagnostic Category	ICD-9-CM Codes								
- Fracture -	810-819	0	0	23	0	26	0	0	0
Upper Limb									
- Fracture -	820-829	0	0	8	0	0	0	0	0
Lower Limb									
- Dislocation	830-839	0	0	32	57	10	0	10	21
- Sprains & Strains -	846-847								
Back		178	0	280	14	65	52	40	33
- Sprains & Strains -	840-845, 848								
Other		2	0	89	29	119	47	267	9
- Intracranial Injury	850-854	0	0	0	0	8	0	0	0
- Open Wound -	870-879								
Head, Neck, Trunk		0	0	6	0	0	0	29	19
- Open Wound -	880-887								
Upper Limb		0	0	33	0	2	0	15	0
- Open Wound -	890-897								
Lower Limb		0	0	8	0	0	0	0	0
- Superficial Injury	910-919	0	0	0	0	0	0	0	0
- Contusion	920-924	0	0	0	0	63	42	28	0
- Foreign Body	930-939								
Entering Orifice		0	0	0	0	15	0	0	0
- Burns	940-949	0	0	5	2	0	0	52	5

*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)

HANFORD 1998

OSHA DATA

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

```

.,ffffffffffffffffffffffffffffffff..fffffffffffffffffffffffffffffffffffff†
,
,                               Men
,                               †fffffffffffffffffffffffffffffffffffff%o
,                               Age Group
,                               †fffffffffff..ffffffffff..ffffffffff..ffffffffff%o
,                               , 16 - 29 , 30 - 39 , 40 - 49 , 50 + ,
,                               †ffff..ffff^ffff^ffff^ffff^ffff^ffff^ffff^ffff%o
,                               , Days, , Days, , Days, , Days, ,
,                               , Res-, , Res-, , Res-, , Res-, ,
,                               , tri-, Days, tri-, Days, tri-, Days, tri-, Days,
,                               , cted, Lost, cted, Lost, cted, Lost, cted, Lost,
†ffffffffffffffff..ffffffffffffffff^ffff^ffff^ffff^ffff^ffff^ffff^ffff^ffff%o
, Diagnostic , ICD-9- CM Codes, , , , , , , , ,
, Category , , , , , , , , ,
†ffffffffffffffff^ffffffffffffffff%o , , , , , , , , ,
, -Injury to , 950-957 , , , , , , , , ,
, Nerves & , , , , , , , , ,
, Spinal Cord , , 0, 0, 18, 10, 0, 0, 0, 0,
†ffffffffffffffff^ffffffffffffffff^ffff^ffff^ffff^ffff^ffff^ffff^ffff^ffff%o
, -Complicatio-, 958-959 , , , , , , , , ,
, ns & , , , , , , , , ,
, Unspeci fied , , , , , , , , ,
, Injuries , , 0, 0, 12, 0, 26, 0, 0, 16,
†ffffffffffffffff^ffffffffffffffff^ffff^ffff^ffff^ffff^ffff^ffff^ffff^ffff%o
, -Toxic , 980-989 , , , , , , , , ,
, Effects - , , , , , , , , ,
, Nonmedi cinal , , 0, 0, 0, 0, 0, 0, 0, 0,
†ffffffffffffffff^ffffffffffffffff^ffff^ffff^ffff^ffff^ffff^ffff^ffff^ffff%o
, -Unspeci fied , 990-995 , , , , , , , , ,
, Effects - , , , , , , , , ,
, External , , , , , , , , ,
, Causes , , 0, 0, 0, 0, 0, 0, 0, 0,
Sffffffffffffff<ffffffffffffff<ffff<ffff<ffff<ffff<ffff<ffff<ffff<ffff<ffff&

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*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.

HANFORD 1998

OSHA DATA

Appendix T. 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	1	4	0	5
Vehicle NEC, E846-E848		0	0	0	0	0	0	0	1	0	1
Accidental Poisoning - Nonmedicinal											
Falls, E880-E888		3	2	0	0	5	0	0	1	0	6
Falls		1	4	3	4	12	1	9	8	6	24
Natural/Environmental Factors, E900-E909											
Submersion/Suffocation/Foreign Bodies, E910-E915											
Other Accidents, E916-E928		0	0	1	0	1	0	2	2	2	6
Accidents		9	11	27	9	56	6	40	61	30	137

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

HANFORD 1998

OSHA DATA

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

Men									
Age Group									
	16 - 29	30 - 39	40 - 49	50 +					
Type of Accident	E Codes								
Motor Vehicle, E810-E819									
Traffic		0	0	0	0	18	0	0	0
Vehicle NEC, E846-E848		0	0	0	0	0	0	0	0
Accidental, E860-E869									
Poisoning - Nonmedical		0	0	0	0	0	0	0	0
Falls, E880-E888		46	0	110	62	31	46	53	26
Natural/Environmental Factors, E900-E909									
Submersion/Suffocation/Foreign Bodies, E910-E915									
Other, E916-E928									
Accidents		134	0	380	35	334	41	473	138

*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.

HANFORD 1998

OSHA DATA

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

Women									
Job Category									
	Admi-	nist-	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								
NERVOUS	320-389								
SYSTEM (NS) & SENSE ORGANS		7	2	1	0	0	0	4	0
- Disorders of, 350-359									
Peripheral NS		7	2	1	0	0	0	3	0
- Disorders of, 360-379									
Eye		0	0	0	0	0	0	1	0
SKIN & SUBCUTANEOUS TISSUE									
- Other, 690-698		0	0	2	0	0	0	1	1
Inflammatory Conditions		0	0	2	0	0	0	1	1
MUSCULOSKELE-	710-739								
TAL & CONNECTIVE TISSUE		18	1	3	0	2	3	3	0
- Arthropathi-	710-719								
es		5	0	1	0	0	1	0	0
- Dorsopathies,	720-724								
		1	0	2	0	1	2	1	0
- Rheumatism,	725-729								
Excluding									
Back		12	1	0	0	1	0	2	0
SYMPTOMS,	780-799								
SIGNS, & ILL-DEFINED COND.		7	2	2	2	0	0	1	2
- Symptoms	780-789								
		7	2	2	2	0	0	1	2
INJURY AND POISONING	800-999								
		18	7	16	1	6	6	15	6

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

(CONTINUED)

HANFORD 1998

OSHA DATA

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

Women										
Job Category										
Diagnostic Category	ICD-9-CM Code	Admi- nist- rati- on	Prof- essional	Known, Tech- nical	Manu- facturing	Other, Laborer	Un- der- serv- ice	Other, Nucl- ear	Un- known	Total
- Fracture - Upper Limb	810-819	0	0	0	0	0	0	0	1	1
- Fracture - Lower Limb	820-829	2	0	0	0	0	0	1	0	3
- Dislocation	830-839	0	0	0	0	0	0	1	0	1
- Sprains & Strains - Back	846-847	1	0	7	0	2	0	5	1	16
- Sprains & Strains - Other	840-845, 848	6	2	4	0	2	1	5	0	20
- Open Wound - Head, Neck, Trunk	870-879	0	0	0	0	0	2	0	0	2
- Open Wound - Upper Limb	880-887	2	0	2	0	0	0	0	1	5
- Open Wound - Lower Limb	890-897	2	0	0	0	0	0	0	0	2
- Superficial Injury	910-919	1	0	0	0	1	0	2	1	5
- Contusion	920-924	2	3	0	0	1	2	1	0	9
- Foreign Body Entering Orifice	930-939	0	0	0	0	0	1	0	0	1
- Burns	940-949	0	1	0	0	0	0	0	0	1
- Injury to Nerves & Spinal Cord	950-957	0	0	1	0	0	0	0	0	1

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

(CONTINUED)

HANFORD 1998

OSHA DATA

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

Women										
Job Category										
	Admi-	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									
-Complicatio-	ns &	ns &	ns &	ns &	ns &	ns &	ns &	ns &	ns &	ns &
ns &	Unspeci fied	Unspeci fied	Unspeci fied	Unspeci fied	Unspeci fied	Unspeci fied	Unspeci fied	Unspeci fied	Unspeci fied	Unspeci fied
Injuries	0	0	0	0	0	0	0	1	1	
-Toxic	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -
Effects -	Nonmedi cinal	Nonmedi cinal	Nonmedi cinal	Nonmedi cinal	Nonmedi cinal	Nonmedi cinal	Nonmedi cinal	Nonmedi cinal	Nonmedi cinal	Nonmedi cinal
Nonmedi cinal	-Unspeci fied	-Unspeci fied	-Unspeci fied	-Unspeci fied	-Unspeci fied	-Unspeci fied	-Unspeci fied	-Unspeci fied	-Unspeci fied	-Unspeci fied
-Unspeci fied	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -	Effects -
Effects -	External	External	External	External	External	External	External	External	External	External
External	Causes	Causes	Causes	Causes	Causes	Causes	Causes	Causes	Causes	Causes
Causes	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
Total	50	12	24	3	8	9	24	9	139	

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

(CONTINUED)

HANFORD 1998

OSHA DATA

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

Men																			
Job Category																			
	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 ICD-9- CM Code Category																			
-Other 690-698																			
Inflammatory Conditions	0	0	0	0	0	0	0	1	0	0	1								
MUSCULOSKELETAL & CONNECTIVE TISSUE	0	4	10	0	7	0	10	12	3	46									
-Arthropathies 710-719	0	0	2	0	1	0	2	2	2	9									
-Dorsopathies 720-724	0	1	5	0	3	0	4	7	0	20									
-Rheumatism 725-729																			
Excluding Back	0	3	3	0	3	0	4	3	1	17									
SYMPTOMS, SIGNS, & ILL-DEFINED COND.	0	1	0	0	0	0	2	1	0	4									
-Symptoms 780-789	0	1	0	0	0	0	2	1	0	4									
INJURY AND POISONING	7	19	23	1	26	3	58	48	6	191									
-Fracture - 800-804	0	0	0	0	0	0	1	0	0	1									
-Fracture - 810-819	0	0	0	0	1	0	2	1	0	4									
-Fracture - 820-829	1	0	0	0	0	0	0	1	0	2									
-Dislocation 830-839	0	0	0	0	1	0	2	2	0	5									
-Sprains & Strains - 846-847	0	5	8	1	8	0	11	20	2	55									

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

(CONTINUED)

HANFORD 1998

OSHA DATA

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

Men											
Job Category											
	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 ICD-9- CM Code	Category										
-Sprains & Strains - Other	840-845, 848	4	3	4	0	6	1	11	5	2	36
-Intracranial Injury	850-854	0	1	0	0	0	0	0	0	0	1
-Open Wound - Head, Neck, Trunk	870-879	0	2	0	0	1	0	7	1	0	11
-Open Wound - Upper Limb	880-887	0	1	2	0	0	1	11	5	0	20
-Open Wound - Lower Limb	890-897	1	0	0	0	0	0	1	2	0	4
-Superficial Injury	910-919	0	0	2	0	1	0	1	2	0	6
-Contusion	920-924	1	5	1	0	4	0	4	3	1	19
-Foreign Body Entering Orifice	930-939	0	1	1	0	0	1	2	1	1	7
-Burns	940-949	0	0	1	0	2	0	4	3	0	10
-Injury to Nerves & Spinal Cord	950-957	0	0	0	0	1	0	0	0	0	1
-Complications & Unspecified Injuries	958-959	0	0	3	0	1	0	1	0	0	5
-Toxic Effects - Nonmedicinal	980-989	0	0	1	0	0	0	0	1	0	2

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

(CONTINUED)

HANFORD 1998

OSHA DATA

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

Men											
Job Category											
Diagnostic Category	ICD-9-CM Code	Unspecified, 990-995	Effects - External Causes	0	1	0	0	0	0	1	0
Total		8	25	35	1	33	3	77	63	9	254

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

HANFORD 1998

OSHA DATA

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

Women																
Job Category																
	Other/Un-	Other/Un-	Administ-	Professi-	Technical	Salaried	Service	Labor	Nuclear	known	known	known	known	known	known	known
	Days	Days	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-	Res-	Res-
	cted	cted	cted	cted	cted	cted	cted	cted	cted	cted	cted	cted	cted	cted	cted	cted
Diagnostic Category	ICD-9-CM Codes															
- Disorders of, 350-359	Peripheral NS,	0	26	0	10	0	60	0	0	0	0	0	30	4	0	0
- Disorders of, 360-379	Eye	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other, 690-698	Inflammatory Conditions	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0
- Arthropathies, 710-719	es	0	0	0	0	0	60	0	0	0	0	3	0	0	0	0
- Dorsopathies, 720-724		0	0	0	0	37	42	0	0	1	28	21	0	12	16	0
- Rheumatism, 725-729	Excluding Back	0	0	0	0	0	0	0	0	8	0	0	0	18	0	0
- Symptoms, 780-789		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Fracture - , 810-819	Upper Limb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Fracture - , 820-829	Lower Limb	0	0	0	0	0	0	0	0	0	0	0	0	36	3	0
- Dislocation, 830-839		0	0	0	0	0	0	0	0	0	0	0	0	14	0	0
- Sprains & , 846-847	Strains - Back	0	0	0	0	37	11	0	0	40	0	0	0	181	1	0
- Sprains & , 840-845,	Strains - , 848	0	0	0	0	29	1	0	0	70	83	3	0	256	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)

HANFORD 1998

OSHA DATA

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

Women																	
Job Category																	
	Administ-	Professi-	Technical	Salaried	Service	Labor	Nuclear	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-
Diagnostic Category	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes	Codes
- Open Wound - , 870-879																	
Head, Neck, Trunk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Open Wound - , 880-887																	
Upper Limb	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
- Open Wound - , 890-897																	
Lower Limb	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Superficial Injury , 910-919																	
Injury	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0
- Contusion , 920-924																	
Injury	0	0	5	10	0	0	0	0	40	0	0	0	6	0	0	0	0
- Foreign Body, 930-939																	
Entering Orifice	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Burns , 940-949																	
Injury	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Injury to Nerves & Spinal Cord , 950-957																	
Injury	0	0	0	0	37	11	0	0	0	0	0	0	0	0	0	0	0
- Complications & Unspecified Injuries , 958-959																	
Injury	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Toxic Effects - Nonmedicinal , 980-989																	
Injury	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Unspecified Effects - External Causes , 990-995																	
Injury	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/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

HANFORD 1998

OSHA DATA

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

Men																				
Job Category																				
	Administ-	Professi-	Technical	Salaried	Service	Security	Labor	Nuclear	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-	Other/Un-
Diagnostic Category	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days
- Fracture - Skull	800-804	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Fracture - Upper Limb	810-819	0	0	0	0	0	0	0	0	10	0	0	0	39	0	0	0	0	0	0
- Fracture - Lower Limb	820-829	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0
- Dislocation	830-839	0	0	0	0	0	0	0	0	10	0	0	0	10	45	32	33	0	0	0
- Sprains & Strains - Back	846-847	0	0	8	0	50	4	0	0	144	8	0	0	26	65	335	17	0	5	0
- Sprains & Strains - Other	840-845	57	5	0	0	61	0	0	0	22	0	0	0	161	60	176	15	0	5	0
- Intracranial Injury	850-854	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Open Wound - Head, Neck, Trunk	870-879	0	0	0	0	0	0	0	0	0	0	0	0	6	0	29	19	0	0	0
- Open Wound - Upper Limb	880-887	0	0	8	0	2	0	0	0	0	0	0	0	38	0	2	0	0	0	0
- Open Wound - Lower Limb	890-897	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0
- Superficial Injury	910-919	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Contusion	920-924	0	0	8	0	0	0	0	0	35	0	0	0	30	42	18	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)

HANFORD 1998

OSHA DATA

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

Women										
Job Category										
Type of Accident	E CODES									Total
Accidental	E860-E869									
Poisoning - Nonmedicinal		2	1	0	1	0	0	0	1	5
Falls	E880-E888	4	2	1	0	1	2	2	0	12
Natural/Environmental Factors	E900-E909									
Submersion/Suffocation/Foreign Bodies	E910-E915									
Other Accidents	E916-E928	22	3	11	0	4	2	11	3	56

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

(CONTINUED)

HANFORD 1998

OSHA DATA

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

Men												
Job Category												
	Craf-	Othe-	ts	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												
Traffic	0	4	0	0	1	0	0	0	0	0	5	
Vehicle NEC, E846-E848	0	0	0	0	1	0	0	0	0	0	1	
Accidental, E860-E869												
Poisoning - Nonmedicinal	0	0	1	0	0	0	0	0	0	0	1	
Falls, E880-E888	1	3	3	0	1	0	9	6	1	24		
Natural/Environmental Factors, E900-E909												
Submersion/Suffocation/Foreign Bodies, E910-E915	0	1	1	0	0	1	1	1	1	6		
Other Accidents, E916-E928	6	8	14	1	17	2	50	34	5	137		

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

HANFORD 1998

OSHA DATA

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

Women																
Job Category																
	Administration	Professional	Technical	Salaried	Service	Labor	Nuclear	Other/Unknown	Crafts	and	Other/Unknown	Other/Unknown	Other/Unknown	Other/Unknown	Other/Unknown	Other/Unknown
Type of Accident																
Poisoning - Nonmedicinal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Falls	0	0	5	10	0	0	0	0	15	0	3	0	42	3	0	0
Natural/Environmental Factors	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
Other Accidents	0	27	0	10	74	103	0	0	104	111	21	0	322	21	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)

HANFORD 1998

OSHA DATA

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

Men											
Job Category											
	Crafts	Other/Un-	and	Other/Un-	Admi ni st-	Professi -	known	Manual	Other/Un-	ration	onal
	Technical	Salari ed	Service	Security	Labor	Nuclear	known	Days,	Days,	Days,	Days,
	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-
	tri -	Days,	tri -	Days,	tri -	Days,	tri -	Days,	tri -	Days,	tri -
	cted,	Lost,	cted,	Lost,	cted,	Lost,	cted,	Lost,	cted,	Lost,	cted,
Type of	E Codes										
Accident											
Motor Vehi cle,	E810- E819										
Traffi c		0,	0,	8,	0,	0,	0,	0,	10,	0,	0,
Vehi cle NEC	E846- E848	0,	0,	0,	0,	0,	0,	0,	0,	0,	0,
Accidental	E860- E869										
Poi soning -											
Nonmedi cinal		0,	0,	0,	0,	0,	0,	0,	0,	0,	0,
Falls	E880- E888	0,	0,	0,	0,	0,	0,	0,	0,	0,	65,
Natural /Envi -	E900- E909										105,
ronmental											175,
Factors		0,	0,	0,	0,	0,	0,	0,	0,	0,	24,
Submersi on/S-	E910- E915										0,
uffocati on/F-											5,
oreign Bodies,		0,	0,	0,	0,	0,	0,	0,	0,	0,	0,
Other	E916- E928										
Accidents		57,	5,	8,	46,	138,	4,	0,	0,	220,	20,

*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.

HANFORD 1998

OSHA DATA

Appendix Z. 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 1995 to 1998

Rate per 1,000 Women

Women	Administration			Professional			Technical			Other/Unknown Salaried		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1995	32	38	46	15	24	38	121	153	193	0	0	0
1996	27	33	41	12	20	34	65	88	118	0	0	0
1997	15	21	28	8	14	26	36	56	86	2	9	40
1998	19	27	38	8	16	29	47	73	114	3	10	30

Year	Service			Security			Crafts and Manual Labor			Nuclear		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1995	72	124	215	0	0	0	28	57	113	103	163	258
1996	18	38	81	9	66	470	64	106	176	52	100	192
1997	97	158	258	0	0	0	72	130	236	41	71	123
1998	32	65	131	0	0	0	58	123	261	108	167	260

Year	Other/Unknown		
	Lower	Mid	Upper
1995	6	14	35
1996	51	125	308
1997	5	11	21
1998	4	7	13

(CONTINUED)

HANFORD 1998

OSHA DATA

Appendix Z. 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 1995 to 1998

Rate per 1,000 Men

Men	Administration			Professional			Technical			Other/Unknown Salaried		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1995	8	12	21	10	13	17	42	54	70	0	0	0
1996	5	7	10	6	8	12	43	57	75	0	0	0
1997	3	5	9	4	7	11	15	28	51	2	6	26
1998	1	2	5	4	5	8	21	31	46	<1	1	9

Year	Service			Security			Crafts and Manual Labor			Nuclear		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1995	112	140	176	21	41	77	124	152	187	112	148	197
1996	106	154	223	44	77	136	108	135	169	83	112	151
1997	73	112	170	11	21	43	50	65	84	49	69	98
1998	63	100	159	3	8	24	57	75	99	64	87	119

Year	Other/Unknown		
	Lower	Mid	Upper
1995	10	23	51
1996	61	94	142
1997	3	6	14
1998	3	6	12

Part 3. Age-Adjusted Rates for Injury by Gender from 1995 to 1998

Rate per 1,000

Year	Injury Men			Injury Women		
	Lower	Mid	Upper	Lower	Mid	Upper
1995	26	29	32	16	19	23
1996	26	30	34	18	22	26
1997	14	16	20	10	13	17
1998	14	17	20	11	14	18

HANFORD 1998

OSHA DATA

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

Diagnostic Category	Administration 4,403 Person-Years				Professional 3,819 Person-Years				Technical 1,165 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	36	0.3	0.2	0.5	24	0.3	0.2	0.4	36	1.9	1.3	2.7
Nervous System & Sense Organs	6	0.7	0.2	2.4	3	1.1	0.3	3.9	2	1.9	0.4	8.4
Musculoskeletal & Connective Tissue	14	0.6	0.3	1.2	5	0.3	0.1	0.7	9	2.1	1.0	4.3
Symptoms, Signs, & Ill- Defined Cond.	4	0.8	0.2	2.6	2	0.7	0.2	3.5	2	1.9	0.4	8.6
Injury & Poisoning	20	0.3	0.2	0.4	19	0.3	0.2	0.4	29	1.9	1.3	2.8
Sprains & Strains-Back	1	0.03	0.003	0.3	5	0.2	0.1	0.5	12	2.7	1.4	5.1
Sprains & Strains-Other	9	0.4	0.2	0.8	5	0.3	0.1	0.7	8	2.0	0.9	4.3
Open Wound-Head, Neck, Trunk	0				2	0.4	0.1	2.0	0			
Open Wound-Upper Limb	2	0.2	0.03	0.9	1	0.1	0.01	0.8	4	2.3	0.8	6.5
Contusion	2	0.3	0.1	1.0	6	1.0	0.4	2.4	1	0.6	0.1	4.2
Burns	0				1	0.3	0.05	1.7	1	1.1	0.1	7.4

* 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)

HANFORD 1998

OSHA DATA

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

Diagnostic Category	Other/Unknown Salaried 687 Person-Years				Service 363 Person-Years				Security 217 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	2	0.2	0.04	0.6	23	3.9	2.5	6.0	3	0.7	0.2	2.3
Nervous System & Sense Organs	0				0				0			
Musculoskeletal & Connective Tissue	0				6	4.9	2.1	11.4	0			
Symptoms, Signs, & Ill- Defined Cond.	1	1.7	0.2	13.4	0				0			
Injury & Poisoning	2	0.2	0.1	0.8	21	4.5	2.8	7.0	3	0.9	0.3	2.7
Sprains & Strains-Back	1	0.3	0.04	2.3	9	6.5	3.2	13.2	0			
Sprains & Strains-Other	0				8	6.6	3.1	13.9	1	1.2	0.2	8.9
Open Wound-Head, Neck, Trunk	0				1	3.3	0.4	25.5	0			
Open Wound-Upper Limb	0				0				1	2.3	0.3	17.4
Contusion	0				5	11.8	4.4	31.8	0			
Burns	0				2	8.8	1.8	42.4	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)

HANFORD 1998

OSHA DATA

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

Diagnostic Category	Crafts and Manual Labor 879 Person-Years				Nuclear 802 Person-Years				Other/Unknown 2,539 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	66	6.1	4.5	8.3	56	4.8	3.5	6.5	13	0.2	0.1	0.4	256
Nervous System & Sense Organs	1	2.0	0.2	18.5	4	8.5	2.7	26.3	0				16
Musculoskeletal & Connective Tissue	11	4.7	2.4	9.5	11	4.5	2.3	9.0	2	0.2	0.05	0.7	58
Symptoms, Signs, & Ill- Defined Cond.	2	7.9	1.1	55.0	2	3.7	0.8	16.4	1	0.2	0.01	1.8	14
Injury & Poisoning	52	5.7	4.1	7.9	47	4.9	3.5	6.9	10	0.3	0.1	0.5	203
Sprains & Strains-Back	10	3.0	1.4	6.1	20	7.7	4.4	13.5	3	0.3	0.1	0.9	61
Sprains & Strains-Other	12	4.7	2.4	9.1	10	3.8	1.9	7.4	2	0.2	0.1	0.9	53
Open Wound-Head, Neck, Trunk	8	20.9	6.9	63.3	1	1.3	0.2	9.1	0				13
Open Wound-Upper Limb	11	15.0	5.8	38.9	5	4.4	1.6	12.7	1	0.2	0.03	1.8	23
Contusion	5	3.8	1.4	10.3	3	2.6	0.8	8.6	1	0.2	0.01	1.8	23
Burns	3	6.7	1.7	26.2	3	5.5	1.3	22.3	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 job categories.

*** CI = Confidence Limit