

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

## SUPPORTING TABLES - 1998

### ROCKY FLATS 1998

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

	Women					Men				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
Job Category										
Administrative	17	149	237	135	538	28	276	500	386	1190
Professional	2	23	28	13	66	4	73	158	101	336
Technical	1	9	13	3	26	1	26	67	38	132
Service	2	1	2	0	5	7	27	15	5	54
Security	0	11	20	5	36	12	133	78	31	254
Crafts and Manual Labor	3	8	9	4	24	1	68	181	175	425
Nuclear	5	13	30	13	61	9	86	169	109	373
Total	30	214	339	173	756	62	689	1168	845	2764

## ROCKY FLATS 1998

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

ADMINISTRATION	MANAGER EMPLOYEE RELATIONS	SR ACCTNG TECHNICIAN
ACCOUNTANT	MANAGER ENGINEERING	SR ADMIN TECHNICIAN
ACCOUNTING TECHNICIAN	MANAGER ENGINEERING INTEGRATION	SR ADMIN TM LEAD COMM REL
ADMINISTRATIVE TEAM LEAD	MANAGER ENVIRONMENTAL PROTECT	SR ADMINISTRATIVE TEAM LEAD
ADMINISTRATIVE TECHNICIAN	MANAGER FACILITIES	SR AUDITOR
ASSOC ACCOUNTANT	MANAGER FINANCE & ADMIN	SR CLERK
ASSOC BUYER	MANAGER FIRE TACTICAL OPER	SR COMMUNICATION SPECIALIST
ASSOC COMMUNICATION SPECIALIST	MANAGER HEALTH EFFECTS	SR COMPLIANCE SPECIALIST
ASSOC COMPLIANCE SPECIALIST	MANAGER HUMAN RESOURCES	SR COST ANALYST
ASSOC COST ESTIMATOR/SCHEDULER	MANAGER INFORMATION SYSTEM	SR COST ESTIMATOR/SCHEDULER
ASSOC FINANCIAL PLANNER	MANAGER INTERNAL AUDIT	SR COUNSEL
ASSOC HUMAN RESOURCE SPLST	MANAGER LABOR RELATIONS	SR FINANCIAL PLANNER
ASSOC MANAGEMENT INTEGRATOR	MANAGER MAINTENANCE	SR HUMAN RESOURCE SPECIALIST
ASSOC PROCUREMENT SPECIALIST	MANAGER MEDICINE	SR MANAGEMENT INTEGRATOR
ASSOC SPECIALIST	MANAGER PROCUREMENT	SR PAYROLL TECHNICIAN
ASSOC SUBCONTRACT SPECIALIST	MANAGER PROPERTY	SR PLANNER
ASSOC TRAINING SPECIALIST	MANAGER PUBLIC RELATIONS	SR PROCUREMENT SPECIALIST
ASST ACCOUNTANT	MANAGER QUALITY ASSURANCE	SR PROJECT MANAGER
ASST BUYER	MANAGER RISK MGMT	SR SECRETARY
ASST COMPLIANCE SPECIALIST	MANAGER SAFETY	SR SHIFT MANAGER
ASST DOC CONTROL SPECIALIST	MANAGER TRAFFIC MANAGEMENT	SR SPECIALIST
ASST GENERAL COUNSEL ENVIRONMENT	MANAGER TRAINING	SR SPECIALIST DIVERSITY
ASST GENERAL COUNSEL PROCUREMENT	MANAGER UTILITIES	SR SPECIALIST LEGAL ASSIST
ASST HUMAN RESOURCE SPECIALIST	MISSION SUPPORT	SR SUBCONTRACT SPECIALIST
ASST SPECIALIST	PAYROLL TECHNICIAN	SR TRAINING SPECIALIST
ASST TECHNICAL WRITER/EDITOR	PLANNER	SUBCONTRACT SPECIALIST
COMMUNICATION SPECIALIST	PRESIDENT & CEO	SUPPORT SUPERVISOR
COMPLIANCE SPECIALIST	PRIN ACCOUNTANT	TECHNICAL SUPERVISOR
COST ANALYST	PRIN ADMIN TECHNICIAN	TECHNICAL WRITER/EDITOR
COST ESTIMATOR/SCHEDULER	PRIN ADMINISTRATIVE SPECIALIST	TRAINING SPECIALIST
EXEC VP & CHIEF OPERATING OFF	PRIN AUDITOR	UNEVALUATED EXEMPT PERSON
EXECUTIVE ADMIN ASSISTANT	PRIN BUYER	UNEVALUATED NON-EXEMPT
EXECUTIVE ASSISTANT	PRIN COMPLIANCE SPECIALIST	VP & CHIEF FINANCIAL OFFICER
EXECUTIVE SECRETARY	PRIN COST ANALYST	VP & GENERAL COUNSEL
FINANCIAL PLANNER	PRIN COST ESTIMATOR/SCHEDULER	VP HUMAN RESOURCES & COMM
GENERAL COUNSEL	PRIN FINANCIAL PLANNER	VP PLANNING & INTEGRATION
INSTRUCTOR DEVELOPER	PRIN HUMAN RESOURCE SPECIALIST	
KEY PERSONNEL	PRIN MANAGEMENT INTEGRATOR	PROFESSIONAL
KEY PERSONNEL TOP STRAT PLNG	PRIN PLANNER	ASSOC CHEMIST
LOGISTICS PROGRAM MGMT	PRIN PROCUREMENT SPECIALIST	ASSOC FELLOW ENGINEER
MANAGEMENT INTEGRATOR	PRIN PROJECT MANAGER	ASSOC FELLOW SCIENTIST
MANAGER	PRIN SPECIALIST	ASSOC INDUSTRIAL HYGIENIST
MANAGER BENEFITS	PRIN SUBCONTRACT SPECIALIST	CHEMIST
MANAGER BUSINESS PLNG	PRIN TECHNICAL WRITER/EDITOR	COMPUTER SYSTEMS ANALYST
MANAGER COMPLIANCE & PERF ASSUR	PRIN TRAINING SPECIALIST	ENGINEER
MANAGER COMPUTER OPERATION	PROCESS SPECIALIST	ENGINEERING TECHNOLOGIST
MANAGER CONSTRUCTION	PROCUREMENT SPECIALIST	ENVIRONMENTAL ENGINEER
MANAGER CONTRACTS	PROGRAM MGR COST REDUCTION	ENVIRONMENTAL SCIENTIST
MANAGER CONTRACTS ADMIN	PROJECT MANAGER	HEALTH PHYSICIST
MANAGER CONTROLLER	SECRETARY	INDUSTRIAL HYGIENIST
MANAGER COST ACCOUNTING	SHIFT MANAGER	MECHANICAL ENGINEER
MANAGER DIVERSITY	SHIFT SUPERINTENDENT	NUCLEAR ENGINEER
MANAGER DIVISION	SPECIALIST	NURSE
MANAGER EH&S	SR ACCOUNTANT	PHYSICIAN

(CONTINUED)

## ROCKY FLATS 1998

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

PHYSICIST	SR PRIN INDUS HYGEN	CAPTAIN SECURITY
PRIN CHEMICAL ENGINEER	SR PRIN LIFE SCIENTIST	CAS OPERATOR
PRIN CHEMIST	SR PRIN MATERIAL SCIENTIST	CAS OPERATOR UNARMED
PRIN COMPUTER SYSTEMS ANALYST	SR PRIN MECHANICAL ENGINEER	LIEUTENANT
PRIN ELECTRICAL ENGINEER	SR PRIN NUCLEAR ENGINEER	PRIN SFGDS & SECURITY SPEC
PRIN ENGINEER	SR PRIN PHYSICIST	SECURITY OFFICER
PRIN ENGINEERING TECHNOLOGIST	SR PRIN QUALITY ENGINEER	SECURITY POLICE OFFICER
PRIN ENVIRONMENTAL ENGINEER	SR PRIN SAFETY ENGINEER	SFGDS & SECURITY SPECIALIST
PRIN ENVIRONMENTAL SCIENTIST	SR PRIN SAFETY PROFESSIONAL	SPO UNKNOWN JOB CODE/TITLE
PRIN GEOLOGIST	SR PRIN SCIENTIST	SR SFGDS & SECURITY SPECIALIST
PRIN HEALTH PHYSICIST	SR SAFETY ENGINEER	SRT LIEUTENANT
PRIN INDUSTRIAL HYGIENIST	SR SAFETY PROFESSIONAL	SRT SECURITY POLICE OFFICER
PRIN MATERIAL SCIENTIST	SR SOCIAL SCIENTIST	
PRIN MECHANICAL ENGINEER		CRAFTS AND MANUAL LABOR
PRIN NUCLEAR ENGINEER	TECHNICAL	AUTO MECHANIC
PRIN REG COMPLIANCE ENG	ASSOC TECHNICIAN	CARPENTER
PRIN SAFETY ENGINEER	ASST ENGINEERING TECHNOLOGIST	ELECTRICIAN
PRIN SAFETY PROFESSIONAL	EXPERIMENTAL OPERATOR	EXPERIMENTAL MACHINIST
PRIN SCIENTIST	NON-DESTRUCTIVE TESTING TECH	GENERAL LABORER
PRIN SOCIAL SCIENTIST	PRIN SHIFT TECHNICAL ADVISOR	LINEMAN ELECTRICIAN
SAFETY ENGINEER	RISK REDUCTION TECHNICIAN	MAINTENANCE MACHINIST
SR CHEMIST	SHIFT TECHNICAL ADVISOR	MAINTENANCE TECHNOLOGIST
SR CIVIL ENGINEER	SR PRIN SHIFT TECHNICAL ADVISOR	PAINTER
SR COMPUTER SYSTEMS ANALYST	SR SCIENTIFIC TECHNOLOGIST	PIPEFITTER
SR ELECTRICAL ENGINEER	SR SHIFT TECHNICAL ADVISOR	SHEETMETAL WORKER
SR ENGINEER	SR TECHNICAL TEAM LEAD	SR MICE TECHNICIAN
SR ENGINEERING TECHNOLOGIST	SR TECHNICIAN	STATIONARY OPERATING ENGINEER
SR ENVIRONMENTAL ENGINEER	TECHNICAL TEAM LEAD	UTILITY WORKER
SR ENVIRONMENTAL SCIENTIST	TECHNICIAN	
SR HEALTH PHYSICIST		NUCLEAR
SR INDUSTRIAL HYGIENIST	SERVICE	D&D HAZARDOUS REDUCTION TECH
SR NUCLEAR ENGINEER	ASSOC FIREFIGHTER	D&D SKILLED TRADES
SR PRIN AIR QUALITY ENV ENG	FIREFIGHTER	D&D UTILITY WORKER
SR PRIN CHEMIST	MANAGER BATTALION CHIEF	PRIN RAD ENG TECHNOLOGIST
SR PRIN CIVIL ENGINEER	SR FIRE INSP TECHNICIAN	RAD ENG TECHNOLOGIST
SR PRIN ELECTRICAL ENGINEER	SR FIREFIGHTER	RADIOLOGICAL CONTROL TECH
SR PRIN ENGINEER	WASTE WATER TREATMENT OPER	SR RAD ENG TECHNOLOGIST
SR PRIN ENVIRONMENTAL ENG		
SR PRIN ENVIRONMENTAL PROTECTION ENG	SECURITY	
SR PRIN ENVIRONMENTAL SCIENTIST	ASST SFGDS & SECURITY SPLST	

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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	9	35	36	20
1994	7	33	36	23
1995	6	32	37	25
1996	4	31	41	24
1997	4	28	40	28
1998	2	25	42	31

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

Year	16-29	30-39	40-49	50+
1993	15	37	33	14
1994	13	37	34	16
1995	11	35	37	17
1996	8	33	42	17
1997	8	29	43	20
1998	4	28	45	23

## Part 3. Percentage of Men in Different Job Categories from 1993 to 1998

Year	Administration	Professional	Technical	Service	Crafts and Manual Labor	Nuclear	Other/Unknown
1993	15	22	22	3	21	16	1
1994	34	22	20	5	10	9	<1
1995	34	20	18	8	9	7	4
1996	39	17	9	12	11	8	4
1997	38	14	6	9	17	9	7
1998	43	12	5	11	15	14	*

\*No workers in this category

## Part 4. Percentage of Women in Different Job Categories from 1993 to 1998

Year	Administration	Professional	Technical	Service	Crafts and Manual Labor	Nuclear	Other/Unknown
1993	51	11	20	2	4	11	1
1994	64	11	16	4	<1	4	<1
1995	64	11	13	4	<1	4	3
1996	68	10	5	6	1	5	5
1997	61	9	4	5	6	6	9
1998	71	9	3	6	3	8	*

\*No workers in this category

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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
Job Category										
Administrative	0	9	11	11	31	1	8	26	27	62
Professional	0	0	1	0	1	0	3	9	4	16
Technical	0	2	1	1	4	0	1	4	8	13
Service	0	0	0	0	0	0	0	1	0	1
Security	0	0	3	1	4	0	3	1	1	5
Crafts and Manual Labor	0	1	1	1	3	0	5	17	20	42
Nuclear	1	4	7	3	15	1	9	17	13	40
Total	1	16	24	17	58	2	29	75	73	179

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

	Women					Men				
	Age Group					Age Group				
	16 -	30 -	40 -		Total	16 -	30 -	40 -		Total
Job Category										
Administrative	0	10	16	13	39	1	8	35	31	75
Professional	0	0	1	0	1	0	3	12	4	19
Technical	0	2	1	1	4	0	1	5	11	17
Service	0	0	0	0	0	0	0	1	0	1
Security	0	0	4	1	5	0	4	1	1	6
Crafts and Manual Labor	0	1	1	1	3	0	5	18	23	46
Nuclear	1	5	12	6	24	1	12	22	16	51
Total	1	18	35	22	76	2	33	94	86	215

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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 -			16 -	30 -	40 -		
	29	39	49	50 +	Total	29	39	49	50 +	Total
# of Calendar Days										
< 15	1	8	21	8	38	1	22	34	37	94
15 - 28	0	5	8	5	18	1	2	38	26	67
29 - 42	0	1	3	3	7	0	4	5	5	14
43 - 56	0	2	1	1	4	0	1	11	10	22
57 - 91	0	0	2	0	2	0	3	3	6	12
92 - 182	0	1	0	3	4	0	0	1	1	2
183 +	0	1	0	2	3	0	1	2	1	4
Total	1	18	35	22	76	2	33	94	86	215

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

Women															Men																
Job Category															Job Category																
%															%																
Cra-fts, Adm- and, ini-Pro-, str-fes-, Tec-, Sec-, ual, ati-sio-, hni-uri-, Lab-, Nuc-, Tot-															Cra-fts, Adm- and, ini-Pro-, str-fes-, Tec-, Sec-, ual, ati-sio-, hni-Ser-, uri-, Lab-, Nuc-, Tot-																
# of Calendar Days															# of Calendar Days																
%															%																
< 15	16	1	3	1	1	16	38	35	8	7	0	2	18	24	94	< 15	16	1	3	1	1	16	38	35	8	7	0	2	18	24	94
15 - 28	10	0	0	2	1	5	18	22	5	6	1	1	14	18	67	15 - 28	10	0	0	2	1	5	18	22	5	6	1	1	14	18	67
29 - 42	3	0	1	2	0	1	7	4	2	0	0	2	5	1	14	29 - 42	3	0	1	2	0	1	7	4	2	0	0	2	5	1	14
43 - 56	3	0	0	0	0	1	4	6	3	3	0	0	5	5	22	43 - 56	3	0	0	0	0	1	4	6	3	3	0	0	5	5	22
57 - 91	2	0	0	0	0	0	2	6	1	1	0	0	3	1	12	57 - 91	2	0	0	0	0	0	2	6	1	1	0	0	3	1	12
92 - 182	3	0	0	0	1	0	4	1	0	0	0	0	1	0	2	92 - 182	3	0	0	0	1	0	4	1	0	0	0	0	1	0	2
183 +	2	0	0	0	0	1	3	1	0	0	0	1	0	2	4	183 +	2	0	0	0	0	1	3	1	0	0	0	1	0	2	4
Total	39	1	4	5	3	24	76	75	19	17	1	6	46	51	215	Total	39	1	4	5	3	24	76	75	19	17	1	6	46	51	215

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



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

	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										
INFE- 001-										
TIOUS 139										
&										
PARAS-										
ITIC										
DISEA-										
SES										
(DIS)	0	1	3	0	4	0	1	4	0	5
-Inte- 001-										
stinal 009										
Infec-										
tious										
Dis	0	0	1	0	1	0	0	1	0	1
-Other 030-										
Bacte- 041										
rial										
Dis	0	0	0	0	0	0	0	1	0	1
-Viral 050-										
Dis 057										
with										
Exant-										
hem	0	0	1	0	1	0	0	1	0	1
-Other 070-										
Viral 079										
Dis &										
Chlam-										
ydiae	0	1	1	0	2	0	1	1	0	2
MALIG- 140-										
NANT 208,										
NEOPL- 230-										
ASMS 234	0	0	0	0	0	0	0	0	2	2
-Geni- 179-										
touri- 189										
nary	0	0	0	0	0	0	0	0	2	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\*

	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											
BENIGN, 210-											
& 229,											
UNCER-, 235-											
TAIN 239											
NEOPL-											
ASMS	0	0	1	0	1	0	0	0	0	0	1
ENDOC-, 240-											
RINE/-, 279											
METAB-											
OLIC/-											
IMMUN-											
ITY	0	0	0	0	0	0	0	0	5	1	6
- Other, 250-											
Endoc-, 259											
rine											
Gland											
Dis	0	0	0	0	0	0	0	0	5	0	5
- Other, 270-											
Metab-, 279											
olic &											
Immun-											
ity											
Di sor-											
ders	0	0	0	0	0	0	0	0	0	1	1
MENTAL, 290-											
DISOR-, 319											
DEERS	1	2	1	2	6	1	4	3	6	14	20
- Psyc-, 290-											
hoses, 299	0	0	1	0	1	0	1	1	0	2	3
- Non- , 300-											
Psych-, 302,											
otic , 306-											
Di sor-, 316											
ders	1	2	0	2	5	1	3	2	5	11	16

\*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-		16 -	30 -	40 -	Tot-		Tot-
	29	39	49	50 +	al	29	39	49	50 +	al	al
Diagn- ICD-9-											
ostic ,CM											
Categ-, Code											
ory											
- Alco-, 303											
Depen-											
dence	0	0	0	0	0	0	0	0	0	1	1
NERVO-, 320-											
US , 389											
SYSTEM											
(NS) &											
SENSE											
ORGANS,	0	0	3	1	4	0	0	12	7	19	23
- Here-, 330-											
di tar-, 337											
y/Deg-											
enera-											
tive											
Centr-											
al NS											
Di s	0	0	0	0	0	0	0	0	0	1	1
- Other, 340-											
Di sor-, 349											
ders											
of											
Centr-											
al NS	0	0	0	0	0	0	0	4	0	4	4
- Di so-, 350-											
rders , 359											
of											
Peri p-											
heral											
NS	0	0	0	0	0	0	0	3	0	3	3
- Di so-, 360-											
rders , 379											
of Eye,	0	0	0	1	1	0	0	1	6	7	8

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

(CONTINUED)

ROCKY FLATS 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											
-Dis 380-											
of Ear, 389											
&											
Masto-											
id	0	0	3	0	3	0	0	4	0	4	7
CIRCU- 390-											
LATORY, 459											
SYSTEM	0	1	0	1	2	0	4	6	12	22	24
-Hype- 401-											
rtens- 405											
ive											
Dis	0	0	0	1	1	0	0	2	0	2	3
-Isch- 410-											
emic 414											
Heart											
Dis	0	0	0	0	0	0	0	0	8	8	8
-Dis 415-											
of 417											
Pulmo-											
nary											
Circu-											
lation	0	0	0	0	0	0	0	2	0	2	2
-Other, 420-											
Heart 429											
Dis	0	0	0	0	0	0	2	0	3	5	5
-Dis 440-											
of 448											
Arter-											
ies &											
Capil-											
laries	0	0	0	0	0	0	1	0	0	1	1

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

(CONTINUED)

ROCKY FLATS 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-	
	29	39	49	50 +	al	29	39	49	50 +	al
Diagn- ICD-9-										
ostic CM										
Categ- Code										
ory										
-Dis 451-										
of 459										
Veins,										
Lymph-										
atics,										
Other	0	1	0	0	1	0	1	2	1	4
RESPI- 460-										
RATORY 519										
SYSTEM	0	10	14	10	34	0	8	29	22	59
-Acute 460-										
Respi- 466										
ratory,										
Infec-										
tions	0	2	3	2	7	0	3	6	7	16
-Other 470-										
Dis 478										
Upper										
Respi-										
ratory,										
Tract	0	3	2	2	7	0	2	6	4	12
-Pneu- 480-										
monia 487										
&										
Influ-										
enza	0	1	5	3	9	0	2	9	6	17
-Chro- 490-										
nic 496										
Obstr-										
uctive,										
Dis	0	4	3	3	10	0	1	6	5	12
-Other 510-										
Respi- 519										
ratory,										
Dis	0	0	1	0	1	0	0	2	0	2

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

(CONTINUED)

ROCKY FLATS 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											
DIGES- 520-											
TIVE 579											
SYSTEM	0	0	4	0	4	0	2	16	7	25	29
- Oral 520-											
Cavit- 529											
y,											
Saliva,											
Gland-											
s, Jaw,	0	0	2	0	2	0	0	1	0	1	3
- Esop- 530-											
agus, 537											
Stoma-											
ch,											
Duode-											
num	0	0	2	0	2	0	1	3	1	5	7
- Appe- 540-											
ndi ci- 543											
tis	0	0	0	0	0	0	0	2	0	2	2
- Hern- 550-											
ia 553	0	0	0	0	0	0	0	4	2	6	6
- Ente- 555-											
ritis, 558											
Colit-											
is	0	0	0	0	0	0	0	2	0	2	2
- Other, 560-											
Intes- 569											
tinal											
Dis	0	0	0	0	0	0	0	3	2	5	5
- Other, 570-											
Diges- 579											
tive											
Dis	0	0	0	0	0	1	1	2	4	4	4

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

(CONTINUED)

ROCKY FLATS 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-	
	29	39	49	50 +	al	29	39	49	50 +	al
Diagn- ICD-9-										
ostic CM										
Categ- Code										
ory										
GENIT- 580-										
OURIN- 629										
ARY										
SYSTEM	0	4	6	2	12	0	4	5	0	9
-Neph- 580-										
ritis, 589										
Neph-										
osis	0	0	0	0	0	0	1	0	0	1
-Other, 590-										
Urina- 599										
ry Dis,	0	0	1	1	2	0	3	3	0	6
-Male 600-										
Genit- 608										
al										
Organ										
Dis	0	0	0	0	0	0	0	2	0	2
-Brea- 610-										
st 611										
Di sor-										
ders	0	1	1	1	3	0	0	0	0	3
-Pelv- 614-										
ic 616										
Infla-										
mmato-										
ry Dis,	0	1	1	0	2	0	0	0	0	2
-Other, 617-										
Female, 629										
Di sor-										
ders	0	2	3	0	5	0	0	0	0	5
PREGN- 630-										
ANCY & 677										
CHILD-										
BIRTH	0	1	0	0	1	0	0	0	0	1

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

(CONTINUED)

ROCKY FLATS 1998

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										
-Preg-, 634-										
nancy, 639										
with										
Abort-										
ive										
Outco-										
me	0	1	0	0	1	0	0	0	0	0
SKIN &, 680-										
SUBCU-, 709										
TANEO-										
US										
TISSUE,	0	0	0	1	1	0	0	0	2	2
-Infe-, 680-										
ctions, 686	0	0	0	0	0	0	0	0	2	2
-Other, 700-										
, 709	0	0	0	1	1	0	0	0	0	0
MUSCU-, 710-										
LOSKE-, 739										
LETAL										
&										
CONNE-										
CTIVE										
TISSUE,	0	3	9	9	21	0	10	16	14	40
-Arth-, 710-										
ropat-, 719										
hi es	0	1	3	1	5	0	4	7	5	16
-Dors-, 720-										
opath-, 724										
ies	0	2	5	4	11	0	6	5	5	16
-Rheu-, 725-										
matiss-, 729										
m										
Exclu-										
ding										
Back	0	0	0	0	0	0	0	3	4	7

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

(CONTINUED)



ROCKY FLATS 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-	
	29	39	49	50 +	al	29	39	49	50 +	al
Diagn- ICD-9-										
ostic CM										
Categ- Code										
ory										
-Other, 730-										
Dis & , 739										
Acqui-										
red										
Defor-										
mities,	0	0	1	4	5	0	0	1	0	1
CONGE-, 740-										
NITAL , 759										
ANOMA-										
LIES ,	0	0	0	0	0	0	0	1	0	1
SYMPT-, 780-										
OMS, , 799										
SIGNS,										
& ILL-										
DEFIN-										
ED										
COND. ,	0	0	0	1	1	0	3	7	2	12
- Symp-, 780-										
toms , 789	0	0	0	1	1	0	3	6	2	11
- Non-, 790-										
Speci-, 796										
fi c										
Abnor-										
mal										
Fi ndi-										
ngs ,	0	0	0	0	0	0	0	1	0	1
INJURY, 800-										
AND , 999										
POISO-										
NING ,	0	4	4	1	9	1	5	25	27	58
-Frac-, 805-										
ture -, 809										
Neck,										
Trunk ,	0	0	1	0	1	0	0	3	3	6

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

(CONTINUED)

ROCKY FLATS 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-	
	29	39	49	50 +	al	29	39	49	50 +	al
Diagn- , ICD-9-										
ostic , CM										
Categ- , Code										
ory										
-Frac- , 810-										
ture - , 819										
Upper										
Limb	0	0	0	0	0	0	0	0	2	1
-Frac- , 820-										
ture - , 829										
Lower										
Limb	0	0	0	1	1	0	0	1	1	2
-Disl- , 830-										
ocati- , 839										
on	0	1	0	0	1	0	0	2	3	5
-Spra- , 846-										
ins & , 847										
Strai-										
ns -										
Back	0	1	1	0	2	0	1	3	5	9
-Spra- , 840-										
ins & , 845										
Strai- , 848										
ns -										
Other	0	0	0	0	0	1	1	4	6	12
-Intr- , 850-										
acran- , 854										
ial										
Injury	0	0	0	0	0	0	0	0	1	1
-Open , 880-										
Wound , 887										
Upper										
Limb	0	0	0	0	0	0	0	1	0	1
-Cont- , 920-										
usion , 924	0	0	0	0	0	0	0	0	2	2

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

(CONTINUED)

ROCKY FLATS 1998

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 +	al	29	39	49	50 +	al	al
Diagn- ICD-9-											
ostic CM											
Categ- Code											
ory											
- Comp- 958-											
licat- 959											
ions &											
Unspe-											
cified											
Injur-											
ies	0	2	2	0	4	0	3	9	4	16	20
- Unsp- 990-											
eci fi- 995											
ed											
Effec-											
ts -											
Exter-											
nal											
Causes	0	0	0	0	0	0	0	0	1	1	1
HEALTH, V01-											
STATU- V82											
S/HEA-											
LTH											
SERVI-											
CE											
CONTA-											
CT	0	0	0	0	0	0	3	1	0	4	4
- Heal- V20-											
th V29											
Servi-											
ces											
Repro-											
ducti-											
on/De-											
velop-											
ment	0	0	0	0	0	0	2	0	0	2	2
- Spec- V50-											
ific V59											
Proce-											
dures-											
/Afte-											
rcare	0	0	0	0	0	0	1	1	0	2	2
Total	1	26	45	28	100	2	44	130	102	278	378

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

ROCKY FLATS 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 -	Tot-	al	16 -	30 -	40 -	Tot-	al	
	29	39	49	50 +		29	39	49	50 +		
Diagnos- tic Category, %											
Infecti- ons/Par- asites	0	232	48	0	280	0	7	59	0	66	346
Cancers	0	0	0	0	0	0	0	42	42	42	
Benign Growths	0	0	14	0	14	0	0	0	0	0	14
Endocri- ne/Meta- bolic	0	0	0	0	0	0	0	79	11	90	90
Mental	11	94	22	150	277	24	111	69	118	322	599
Nervous System	0	0	28	19	47	0	0	412	143	555	602
Heart/C- irculat- ory	0	7	0	14	21	0	38	145	396	579	600
Respira- tory	0	100	155	144	399	0	74	352	363	789	1188
Digesti- ve	0	0	15	0	15	0	11	575	164	750	765
Genitou- rinary	0	292	134	63	489	0	65	102	0	167	656
Miscarr- iage	0	26	0	0	26	0	0	0	0	0	26
Skin	0	0	0	42	42	0	0	25	25	67	
Muscles and Skeleton	0	59	261	787	1107	0	513	898	629	2040	3147

\*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)

ROCKY FLATS 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 -	Tot-	al	16 -	30 -	40 -	Tot-	Tot-	
	29	39	49	50 +	al	29	39	49	50 +	al	al
Diagnos-											
tic											
Category,											
Existing,											
Birth											
Condi ti-											
on	0	0	0	0	0	0	0	0	15	0	15, 15,
Unspeci-											
fied											
Symptoms,	0	0	0	38	38	0	21	127	47	195	233,
Injury	0	103	70	148	321	12	60	710	515	1297	1618,

\*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.

ROCKY FLATS 1998

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

		Women							
		Job Category							
		Craf-	ts	Admi-	and	ni st-	Prof-	Manu-	
		rati-	essi-	Tech-	Secu-	al	Nucl-		
		on	onal	nical	ri ty	Labor	ear	Total	
Di agnostic	ICD-9- CM Code								
Category									
	INFECTIONOUS & PARASITIC DISEASES (DIS)	3	0	0	1	0	0	4	
	- Intestinal Infectious Dis	1	0	0	0	0	0	1	
	- Viral Dis with Exanthem	0	0	0	1	0	0	1	
	- Other Viral Dis & Chl anydiae	2	0	0	0	0	0	2	
	BENIGN & UNCERTAIN NEOPLASMS	1	0	0	0	0	0	1	
	MENTAL DISORDERS	4	0	0	1	0	1	6	
	- Psychoses	1	0	0	0	0	0	1	
	- Non-Psychotic Disorders	3	0	0	1	0	1	5	
	NERVOUS SYSTEM (NS) & SENSE ORGANS	2	0	0	0	0	2	4	
	- Disorders of Eye	1	0	0	0	0	0	1	
	- Dis of Ear & Mastoid	1	0	0	0	0	2	3	
	CIRCULATORY SYSTEM	1	0	1	0	0	0	2	

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

(CONTINUED)

ROCKY FLATS 1998

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

		Women							
		Job Category							
		Craf-	ts	Admi-	and	ni st-	Prof-	Manu-	
		rati-	essi-	Tech-	Secu-	al	Nucl-		
		on	onal	nic al	ri ty	Labor	ear	Total	
Di agnostic	ICD-9- CM Code								
Category									
- Hypertensive	401- 405								
Dis		1,	0,	0,	0,	0,	0,	0,	1,
- Dis of	451- 459								
Ve ins,									
Lymphati cs,									
Other		0,	0,	1,	0,	0,	0,	0,	1,
RESPIRATORY	460- 519								
SYSTEM		10,	0,	2,	4,	4,	14,	34,	
- Acute	460- 466								
Respi ratory									
Infecti ons		2,	0,	1,	0,	0,	4,	7,	
- Other Dis	470- 478								
Upper									
Respi ratory									
Tract		2,	0,	0,	1,	1,	3,	7,	
- Pneumoni a &	480- 487								
Influenza		2,	0,	0,	2,	1,	4,	9,	
- Chroni c	490- 496								
Obstructi ve									
Dis		4,	0,	1,	0,	2,	3,	10,	
- Other	510- 519								
Respi ratory									
Dis		0,	0,	0,	1,	0,	0,	1,	
DIGESTIVE	520- 579								
SYSTEM		2,	0,	0,	0,	0,	2,	4,	
- Oral Cavi ty,	520- 529								
Sal i va									
Glands, Jaw		0,	0,	0,	0,	0,	2,	2,	
- Esophagus,	530- 537								
Stomach,									
Duodenum		2,	0,	0,	0,	0,	0,	2,	

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

(CONTINUED)

ROCKY FLATS 1998

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

		Women							
		Job Category							
		Craf-	ts	Admi-	and	nist-	Prof-	Manu-	
		rati-	essi-	Tech-	Secu-	al	Nucl-		
		on	onal	nical	riety	Labor	ear	Total	
Diagnostic Category	ICD-9-CM Code								%
GENITOURINARY, 580-629									
SYSTEM		7	0	1	1	0	3	12	
-Other	590-599								
Urinary Dis		0	0	1	1	0	0	2	
-Breast	610-611								
Disorders		2	0	0	0	0	1	3	
-Pelvic	614-616								
Inflammatory									
Dis		1	0	0	0	0	1	2	
-Other Female	617-629								
Disorders		4	0	0	0	0	1	5	
PREGNANCY &	630-677								
CHILDBIRTH		1	0	0	0	0	0	1	
-Pregnancy	634-639								
with Abortive,									
Outcome		1	0	0	0	0	0	1	
SKIN &	680-709								
SUBCUTANEOUS									
TISSUE		0	0	1	0	0	0	1	
-Other	700-709	0	0	1	0	0	0	1	
MUSCULOSKELE-	710-739								
TAL &									
CONNECTIVE									
TISSUE		14	1	0	1	0	5	21	
-Arthropathi-	710-719								
es		2	1	0	1	0	1	5	
-Dorsopathies	720-724	9	0	0	0	0	2	11	
-Other Dis &	730-739								
Acquired									
Deformities		3	0	0	0	0	2	5	

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

(CONTINUED)



ROCKY FLATS 1998

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

	Women							
	Job Category							
	Craf-	ts	Admi-	and	Prof-	Manu-	al	Nucl-
	on	onal	nical	riety	Labor	ear	Total	
Diagnostic Category								
SYMPTOMS, 780-799								
SIGNS, & ILL-DEFINED COND.	0	0	0	1	0	0	1	
-Symptoms, 780-789	0	0	0	1	0	0	1	
INJURY AND POISONING, 800-999								
-Fracture - Neck, Trunk, 805-809	0	0	0	0	0	1	1	
-Fracture - Lower Limb, 820-829	0	0	0	0	1	0	1	
-Dislocation, 830-839	0	0	0	0	0	1	1	
-Sprains & Strains - Back, 846-847	1	0	0	0	0	1	2	
-Complications & Unspecified Injuries, 958-959	4	0	0	0	0	0	4	
Total	50	1	5	9	5	30	100	

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

(CONTINUED)

ROCKY FLATS 1998

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

	Men																							
	Job Category																							
	Craf-	ts	Admi-	and	nist-	Prof-	Manu-	rati-	essi-	Tech-	Serv-	Secu-	al	Nucl-	on	onal	nical	ice	rity	Labor	ear	Total		
Diagnostic Category	ICD-9-CM Code																							
INFECTIOUS & PARASITIC DISEASES (DIS)	2	1	1	0	0	0	0	1	5															
- Intestinal Infectious Dis	0	1	0	0	0	0	0	0	1															
- Other Bacterial Dis	0	0	0	0	0	0	0	1	1															
- Viral Dis with Exanthem	1	0	0	0	0	0	0	0	1															
- Other Viral Dis & Chlamydiae	1	0	1	0	0	0	0	0	2															
MALIGNANT NEOPLASMS	2	0	0	0	0	0	0	0	2															
- Genitourinary	2	0	0	0	0	0	0	0	2															
ENDOCRINE/METABOLIC/IMMUNITY	1	0	0	0	0	0	2	3	6															
- Other Endocrine Gland Dis	1	0	0	0	0	0	1	3	5															
- Other Metabolic & Immunity Disorders	0	0	0	0	0	0	1	0	1															
MENTAL DISORDERS	5	1	2	0	0	0	0	6	14															

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

(CONTINUED)

ROCKY FLATS 1998

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

Diagnostic Category	Men									
	Job Category									
	Crafts	Administrative	Professional	Technical	Service	Security	Al	Nuclear	Labor	Total
- Psychoses, ICD-9-CM Code 290-299	0	1	0	0	0	0	0	1	2	
- Non-Psychotic Disorders, ICD-9-CM Code 300-302, 306-316	4	0	2	0	0	0	0	5	11	
- Alcohol Dependence, ICD-9-CM Code 303	1	0	0	0	0	0	0	0	1	
NERVOUS SYSTEM (NS) & SENSE ORGANS	9	0	0	0	0	0	3	7	19	
- Hereditary/Degenerative Central NS Disorders, ICD-9-CM Code 330-337	0	0	0	0	0	0	0	1	1	
- Other Disorders of Central NS, ICD-9-CM Code 340-349	0	0	0	0	0	0	1	3	4	
- Disorders of Peripheral NS, ICD-9-CM Code 350-359	0	0	0	0	0	0	1	2	3	
- Disorders of Eye, ICD-9-CM Code 360-379	5	0	0	0	0	0	1	1	7	
- Dis of Ear & Mastoid, ICD-9-CM Code 380-389	4	0	0	0	0	0	0	0	4	
CIRCULATORY SYSTEM	7	2	1	1	0	0	5	6	22	
- Hypertensive Dis, ICD-9-CM Code 401-405	1	0	0	0	0	0	0	1	2	
- Ischemic Heart Dis, ICD-9-CM Code 410-414	2	2	1	0	0	0	1	2	8	

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

(CONTINUED)

ROCKY FLATS 1998

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

Diagnostic Category	Men										
	Job Category										
	Craft-	Admi-	nist-	Prof-	rati-	essi-	Tech-	Serv-	Secu-	al	Nucl-
	Labor,	ear	Total,								
-Dis of ,415-417	0	0	0	1	0	0	1	2			
-Other Heart ,420-429	4	0	0	0	0	0	1	5			
-Dis of ,440-448	0	0	0	0	0	0	1	1			
-Dis of ,451-459	0	0	0	0	0	0	4	0	4		
RESPIRATORY ,460-519	19	6	5	0	2	13	14	59			
-Acute ,460-466											
Respiratory ,Infections	3	3	2	0	0	3	5	16			
-Other Dis ,470-478											
Upper ,Respiratory ,Tract	5	1	1	0	0	1	4	12			
-Pneumonia & ,480-487	8	1	1	0	1	4	2	17			
-Chronic ,490-496											
Obstructive ,Dis	3	1	1	0	1	4	2	12			
-Other ,510-519	0	0	0	0	0	1	1	2			
DIGESTIVE ,520-579	10	3	2	0	3	4	3	25			

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

(CONTINUED)

ROCKY FLATS 1998

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

Diagnostic Category	Men																						
	Job Category																						
	Craf-	ts	Admi-	and	nist-	Prof-	Manu-	rati-	essi-	Tech-	Serv-	Secu-	al	Nucl-	on	onal	ni cal	ice	rity	Labor	ear	Total	
-Oral Cavity, 520-529																							
Saliva Glands, Jaw			1	0	0	0	0	0	0	0	0	0	0	1									1
- Esophagus, 530-537																							
Stomach, Duodenum			3	1	0	0	1	0	0	5													
- Appendicitis, 540-543			2	0	0	0	0	0	0	2													
- Hernia, 550-553			1	1	0	0	1	3	0	6													
- Enteritis, 555-558			0	0	0	0	0	1	1	2													
Colitis			0	0	0	0	0	1	1	2													
- Other, 560-569																							
Intestinal Dis			2	0	2	0	0	0	1	5													
- Other, 570-579																							
Digestive Dis			1	1	0	0	1	0	1	4													
GENITOURINARY, 580-629																							
SYSTEM			5	1	0	0	0	3	0	9													
- Nephritis, 580-589																							
Nephrosis			0	0	0	0	0	1	0	1													
- Other, 590-599																							
Urinary Dis			3	1	0	0	0	2	0	6													
- Male Genital, 600-608																							
Organ Dis			2	0	0	0	0	0	0	2													
SKIN & SUBCUTANEOUS, 680-709																							
TISSUE			0	0	1	0	0	1	0	2													
- Infections, 680-686			0	0	1	0	0	1	0	2													

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

(CONTINUED)

ROCKY FLATS 1998

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

	Men																							
	Job Category																							
	Craf-	ts	Admi-	and	ni st-	Prof-	Manu-	rati-	essi-	Tech-	Serv-	Secu-	al	Nucl-	on	onal	ni cal	ice	rity	Labor	ear	Total		
Di agnostic ICD-9- CM Code Category																								
MUSCULOSKELE-, 710- 739																								
TAL & CONNECTIVE TISSUE	14,	3,	4,	0,	1,	10,	8,	40,																
-Arthropathi -, 710- 719	es	5,	0,	3,	0,	0,	4,	4,	16,															
-Dorsopathi es, 720- 724		7,	3,	0,	0,	1,	3,	2,	16,															
-Rheumati sm , 725- 729	Excl udi ng																							
Back		1,	0,	1,	0,	0,	3,	2,	7,															
-Other Dis & , 730- 739	Acqui red																							
Deformi ties		1,	0,	0,	0,	0,	0,	0,	1,															
CONGENITAL , 740- 759	ANOMALIES		0,	0,	0,	0,	0,	1,	1,															
SYMPTOMS, , 780- 799	SIGNS, & ILL-,																							
DEFINED COND. ,		7,	2,	0,	0,	0,	1,	2,	12,															
-Symptoms , 780- 789		6,	2,	0,	0,	0,	1,	2,	11,															
-Non-Speci fi c, 790- 796	Abnormal																							
Findings		1,	0,	0,	0,	0,	0,	0,	1,															
INJURY AND , 800- 999	POISONING		12,	6,	3,	0,	3,	12,	22,	58,														
-Fracture - , 805- 809	Neck, Trunk		2,	2,	0,	0,	0,	0,	2,	6,														
-Fracture - , 810- 819	Upper Limb		2,	1,	0,	0,	0,	0,	0,	3,														

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

(CONTINUED)

ROCKY FLATS 1998

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

		Men									
		Job Category									
		Craf- , ts , , Admi - , and , ni st - , Prof - , Manu - , rati - , essi - , Tech - , Serv - , Secu - , al , Nucl - , on , onal , nical , ice , rity , Labor , ear , Total ,									
Diagnosti c , Category	ICD- 9- CM Code										
- Fracture - , Lower Limb	, 820- 829		1,	0,	0,	0,	0,	0,	1,	2,	
- Dislocation	, 830- 839		0,	0,	1,	0,	0,	1,	3,	5,	
- Sprains & , Strains - , Back	, 846- 847							4,	4,	9,	
- Sprains & , Strains - , Other	, 840- 845, 848								2,	1,	12,
- Intracranial	, 850- 854										
- Injury			0,	0,	0,	0,	0,	0,	1,	1,	
- Open Wound - , Upper Limb	, 880- 887								1,	1,	
- Contusion	, 920- 924							1,	1,	2,	
- Complicatio- , ns & , Unspeci fied , Injuries	, 958- 959							3,	3,	8,	16,
- Unspeci fied	, 990- 995										
Effects - , External , Causes									1,	0,	1,
HEALTH , STATUS/HEALTH, SERVICE , CONTACT	, V01- V82										
- Health	, V20- V29										
Services , Reproduction- , /Development			1,	0,	1,	0,	0,	0,	0,	0,	2,

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

(CONTINUED)

ROCKY FLATS 1998

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

Diagnostic Category	Men							
	ICD-9-CM Code	V50-V59	Procedures/A-	Aftercare	Total	Percentage	Percentage	Percentage
- Specific	94	25	20	1	9	55	74	278

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



ROCKY FLATS 1998

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

Diagnostic Category	Women						
	Admi- nist- rati- onal	Prof- Manu- ess- sion	Tech- nical	Secu- rity	al Labor	Nucl- ear	Total
Infections/Parasites	253	0	0	27	0	0	280
Benign Growths	14	0	0	0	0	0	14
Mental	228	0	0	38	0	11	277
Nervous System	30	0	0	0	0	17	47
Heart/Circulatory	14	0	7	0	0	0	21
Respiratory	131	0	14	63	28	163	399
Digestive	8	0	0	0	0	7	15
Genitourinary	386	0	42	27	0	34	489
Miscarriage	26	0	0	0	0	0	26
Skin	0	0	42	0	0	0	42
Muscles and Skeleton	697	14	0	27	0	369	1107
Unspecified Symptoms	0	0	0	38	0	0	38
Injury	125	0	0	0	148	48	321

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

(CONTINUED)

ROCKY FLATS 1998

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

Diagnostic Category	Men										
	Job Category	Crafts	Administrative	Professional	Ratiss	Technical	Service	Security	Al	Nuclear	Total
Infections/Parasites	20	15	7	0	0	0	0	24	66		
Cancers	42	0	0	0	0	0	0	0	42		
Endocrine/Metabolic	9	0	0	0	0	36	45	90			
Mental	110	23	71	0	0	0	118	322			
Nervous System	89	0	0	0	0	130	336	555			
Heart/Circulatory	216	63	57	25	0	151	67	579			
Respiratory	289	46	87	0	30	180	157	789			
Digestive	247	37	26	0	48	93	299	750			
Genitourinary	71	43	0	0	0	53	0	167			
Skin	0	0	14	0	0	11	0	25			
Muscles and Skeleton	661	159	67	0	205	376	572	2040			
Existing Birth Condition	0	0	0	0	0	0	15	15			
Unspecified Symptoms	130	11	0	0	0	20	34	195			
Injury	328	106	88	0	40	204	531	1297			

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

## Rocky Flats 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

Figure 10. Age-Adjusted Rates for Selected Diagnostic Categories for Men and Women from 1993 to 1998

## Rate per 1,000 Men

Men	All Diagnostic Categories			Cancer			Heart/Circulatory		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	169	184	201	1	3	7	10	14	20
1994	167	181	197	2	4	6	5	7	9
1995	139	152	167	1	2	4	4	6	8
1996	80	95	112	<1	1	3	2	4	8
1997	48	55	64	<1	1	2	3	5	8
1998	70	84	102	<1	1	2	4	6	10

Year	Respiratory			Injury		
	Lower	Mid	Upper	Lower	Mid	Upper
1993	45	52	61	26	32	39
1994	40	47	55	29	35	42
1995	43	52	61	22	27	33
1996	11	17	24	21	30	42
1997	9	12	15	8	11	16
1998	12	16	21	14	22	35

## Rate per 1,000 Women

Women	All Diagnostic Categories			Cancer			Heart/Circulatory		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	370	406	445	2	3	6	9	14	22
1994	441	478	518	2	4	8	4	9	17
1995	294	323	355	<1	1	3	2	3	7
1996	148	176	210	1	2	7	2	4	11
1997	105	131	164	0	0	0	2	4	12
1998	80	104	136	0	0	0	1	2	9

Year	Respiratory			Injury		
	Lower	Mid	Upper	Lower	Mid	Upper
1993	123	143	167	28	38	53
1994	155	178	204	32	41	51
1995	102	119	140	34	43	54
1996	39	54	74	11	19	33
1997	26	40	62	7	15	33
1998	23	32	46	4	8	16

(CONTINUED)

## Rocky Flats 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

Figure 11. Age-Adjusted Rates for All Diagnostic Categories Combined Among Women and Men by Job Category from 1993 to 1998

## Rate per 1,000 Men

Men	Administration			Professional			Technical			Service		
Year	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	156	192	236	98	118	141	153	187	229	244	358	526
1994	173	199	228	130	155	184	158	192	232	140	189	255
1995	104	128	157	85	106	131	130	160	195	204	285	397
1996	56	80	112	30	42	59	48	69	98	21	50	114
1997	40	50	64	11	19	34	21	37	64	21	74	266
1998	49	69	98	31	47	71	67	105	165	2	15	107

Men	Security			Crafts and Manual Labor			Nuclear			Other/Unknown		
Year	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	*	*	*	174	216	266	178	228	291	0	0	0
1994	*	*	*	115	142	175	150	202	272	0	0	0
1995	7	21	61	150	184	225	340	457	615	17	39	89
1996	69	122	213	115	194	329	125	195	305	70	128	234
1997	25	48	90	54	72	95	88	139	220	26	51	103
1998	9	21	48	67	88	117	129	193	290	**	**	**

\*Service and Security workers combined.

\*\*No workers in this category.

## Rate per 1,000 Women

Women	Administration			Professional			Technical			Service		
Year	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	341	388	441	224	337	508	384	468	570	339	517	789
1994	433	479	529	231	311	419	385	469	570	299	452	681
1995	272	305	342	173	292	495	360	448	558	183	319	558
1996	113	140	173	50	102	212	66	145	318	19	58	180
1997	96	126	166	10	26	69	88	178	363	0	0	0
1998	52	70	95	1	8	58	72	197	537	0	0	0

Women	Security			Crafts and Manual Labor			Nuclear			Other/Unknown		
Year	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	*	*	*	246	376	572	394	498	629	2	18	125
1994	*	*	*	6	45	322	593	766	988	319	849	2262
1995	4	26	188	23	91	363	469	620	819	4	15	58
1996	150	305	619	43	114	302	495	726	1066	8	37	160
1997	7	26	106	23	56	134	272	433	689	14	70	354
1998	77	179	413	61	153	383	265	409	629	**	**	**

\*Service and Security workers combined.

\*\*No workers in this category.

## ROCKY FLATS 1998

## Appendix M Diseases and Injuries by Diagnostic Category

## Part 1. Men

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses*	Age-Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001-139	5	1.1	0.4	2.7
Malignant Neoplasms	140-208, 230-234	2	0.5	0.1	2.2
Digestive Organs	150-159	0	0	0	0
Respiratory System	160-165	0	0	0	0
Breast	174-175	0	0	0	0
Genitourinary	179-189	2	0.5	0.1	2.2
Nervous System	191-192	0	0	0	0
Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	0	0	0	0
Endocrine & Metabolic Diseases	240-279	6	1.2	0.6	2.8
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	14	8.4	2.8	25.1
Alcoholism	303	1	0.3	0.0	1.9
Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	19	4.7	2.8	7.8
Circulatory System	390-459	22	6.1	3.9	9.6
Hypertension	401	2	0.4	0.1	1.6
Acute Myocardial Infarction	410	2	0.5	0.1	2.2
Ischemic Disease, not M.I.	411-414, 429.2	6	2.1	0.9	5.2
Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	59	15.5	11.7	20.5
Upper Respiratory	460-465, 470-478	27	7.6	5.0	11.6
Pneumonia/Bronchitis	466, 480-487	18	4.7	2.8	7.8
Chronic Respiratory Conditions	490-496	12	2.8	1.6	5.0
Digestive System	520-579	25	5.6	3.8	8.4
Hernias	550-553	6	1.3	0.6	3.0
Gallbladder Disease	574-575	3	0.7	0.2	2.3
Genitourinary System	580-629	9	2.2	1.1	4.3
Benign Prostatic Hypertrophy	600	0	0	0	0
Skin & Subcutaneous Tissue	680-709	2	0.5	0.1	2.2
Musculoskeletal System	710-739	40	11.4	8.1	16.1
Dorsopathies	720-724	16	4.6	2.7	7.9
Congenital Anomalies	740-759	1	0.2	0.0	1.4
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs & Ill Defined Cond.	780-799	12	3.3	1.7	6.3
Injury & Poisoning	800-999	58	22.1	13.8	35.3
Fractures, All Sites	800-829	11	3.0	1.5	5.9
Dislocations	830-839	5	2.2	0.8	6.0
Sprains & Strains	840-848	21	10.9	4.6	26.0
Intracranial Injuries	850-854	1	0.8	0.1	5.3
Internal Injuries	860-869	0	0	0	0
Open Wounds	870-897	1	0.2	0.0	1.4
Other Injuries	900-999	19	5.0	3.1	8.3
Health Status/Health Serv Contact	V01-V82	4	1.1	0.4	3.0
Family History of Health Problems	V10-V19	0	0	0	0
Circumstances Reproduction/Devel op	V20-V28	2	0.6	0.2	2.5
Specific Procedure/Aftercare	V50-V59	2	0.5	0.1	2.1
<b>TOTAL</b>		<b>278</b>	<b>84.0</b>	<b>69.5</b>	<b>101.6</b>

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

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

(CONTINUED)

## ROCKY FLATS 1998

## Appendix M Diseases and Injuries by Diagnostic Category

## Part 2. Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses*	Age-Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001-139	4	3.0	1.1	8.1
Malignant Neoplasms	140-208, 230-234	0	0	0	0
Digestive Organs	150-159	0	0	0	0
Respiratory System	160-165	0	0	0	0
Breast	174-175	0	0	0	0
Genitourinary	179-189	0	0	0	0
Nervous System	191-192	0	0	0	0
Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	1	0.7	0.1	4.8
Endocrine & Metabolic Diseases	240-279	0	0	0	0
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	6	14.6	4.0	53.5
Alcoholism	303	0	0	0	0
Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	4	6.5	1.6	26.4
Circulatory System	390-459	2	2.3	0.6	9.2
Hypertension	401	1	1.3	0.2	9.1
Acute Myocardial Infarction	410	0	0	0	0
Ischemic Disease, not M.I.	411-414, 429.2	0	0	0	0
Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	34	32.1	22.7	45.5
Upper Respiratory	460-465, 470-478	13	12.4	7.1	21.8
Pneumonia/Bronchitis	466, 480-487	10	9.2	4.8	17.5
Chronic Respiratory Conditions	490-496	10	9.8	5.2	18.6
Digestive System	520-579	4	2.7	1.0	7.1
Hernias	550-553	0	0	0	0
Gallbladder Disease	574-575	0	0	0	0
Genitourinary System	580-629	12	10.5	5.9	18.9
Endometriosis	617	1	1.0	0.1	7.0
Ovarian Cysts	620.0-620.2	1	0.7	0.1	4.8
Female Genital Pain/Bleeding	625-626	0	0	0	0
Pregnancy & Childbirth***	630-639	1	1.0	0.1	7.0
Skin & Subcutaneous Tissue	680-709	1	1.3	0.2	9.1
Musculoskeletal system	710-739	21	20.5	13.2	32.0
Dorsopathies	720-724	11	10.5	5.7	19.3
Congenital Anomalies	740-759	0	0	0	0
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs & Ill Defined Cond.	780-799	1	1.3	0.2	9.1
Injury & Poisoning	800-999	9	7.9	4.1	15.5
Fractures, All Sites	800-829	2	2.0	0.5	8.3
Dislocations	830-839	1	1.0	0.1	7.0
Sprains & Strains	840-848	2	1.7	0.4	6.8
Intracranial Injuries	850-854	0	0	0	0
Internal Injuries	860-869	0	0	0	0
Open Wounds	870-897	0	0	0	0
Other Injuries	900-999	4	3.3	1.2	9.0
Health Status/Health Serv Contact	V01-V82	0	0	0	0
Family History of Health Problems	V10-V19	0	0	0	0
Circumstances Reproduction/Develop	V20-V28	0	0	0	0
Specific Procedure/Aftercare	V50-V59	0	0	0	0
Total Minus Pregnancies		99	103.4	79.2	134.9
TOTAL		100	104.4	80.1	136.0

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

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

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

(CONTINUED)

## ROCKY FLATS 1998

## Appendix M Diseases and Injuries by Diagnostic Category

## Part 3. Men and Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses*	Age-Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001-139	9	1.5	0.8	3.0
Malignant Neoplasms	140-208, 230-234	2	0.4	0.1	1.8
Digestive Organs	150-159	0	0	0	0
Respiratory System	160-165	0	0	0	0
Breast	174-175	0	0	0	0
Genitourinary	179-189	2	0.4	0.1	1.8
Nervous System	191-192	0	0	0	0
Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	1	0.2	0.0	1.1
Endocrine & Metabolic Diseases	240-279	6	1.0	0.4	2.2
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	20	10.3	4.4	24.1
Alcoholism	303	1	0.2	0.0	1.6
Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	23	4.9	3.0	7.9
Circulatory System	390-459	24	5.4	3.5	8.3
Hypertension	401	3	0.5	0.2	1.7
Acute Myocardial Infarction	410	2	0.4	0.1	1.8
Ischemic Disease, not M.I.	411-414, 429.2	6	1.8	0.7	4.4
Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	93	19.1	15.3	23.8
Upper Respiratory	460-465, 470-478	40	8.7	6.2	12.3
Pneumonia/Bronchitis	466, 480-487	28	5.6	3.7	8.5
Chronic Respiratory Conditions	490-496	22	4.3	2.8	6.6
Digestive System	520-579	29	5.0	3.5	7.3
Hernias	550-553	6	1.0	0.5	2.4
Gallbladder Disease	574-575	3	0.6	0.2	1.9
Genitourinary System	580-629	21	4.0	2.6	6.2
Benign Prostatic Hypertrophy	600	0	0	0	0
Endometriosis	617	1	0.2	0.0	1.7
Ovarian Cysts	620.0-620.2	1	0.2	0.0	1.1
Female Genital Pain/Bleeding	625-626	0	0	0	0
Pregnancy & Childbirth***	630-639	1	0.2	0.0	1.7
Skin & Subcutaneous Tissue	680-709	3	0.7	0.2	2.1
Musculoskeletal System	710-739	61	13.2	10.0	17.4
Dorsopathies	720-724	27	5.8	3.9	8.8
Congenital Anomalies	740-759	1	0.2	0.0	1.1
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs & Ill Defined Cond.	780-799	13	2.8	1.5	5.3
Injury & Poisoning	800-999	67	19.1	12.9	28.4
Fractures, All Sites	800-829	13	2.8	1.5	5.3
Dislocations	830-839	6	2.0	0.8	5.3
Sprains & Strains	840-848	23	8.7	4.1	18.6
Intracranial Injuries	850-854	1	0.6	0.1	4.6
Internal Injuries	860-869	0	0	0	0
Open Wounds	870-897	1	0.2	0.0	1.1
Other Injuries	900-999	23	4.8	3.1	7.6
Health Status/Health Serv Contact	V01-V82	4	0.9	0.3	2.3
Family History of Health Problems	V10-V19	0	0	0	0
Circumstances Reproduction/Develop	V20-V28	2	0.5	0.1	1.9
Specific Procedure/Aftercare	V50-V59	2	0.4	0.1	1.6
Total Minus Pregnancies		377	88.7	75.9	103.5
TOTAL		378	88.9	76.2	103.8

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

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

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

## ROCKY FLATS 1998

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

Diagnostic Category	Administration 1,728 Person-Years				Professional 402 Person-Years				Technical 158 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	93	0.6	0.5	0.8	17	0.6	0.4	1.0	17	1.6	1.0	2.7
Mental Disorders	7	0.6	0.2	1.8	1	0.5	0.1	4.1	2	3.3	0.7	14.5
Nervous System & Sense Organs	8	0.8	0.3	2.0	0				0			
Circulatory System	6	0.4	0.2	1.1	2	0.7	0.2	3.2	2	2.1	0.5	8.9
Respiratory System	23	0.5	0.3	0.8	4	0.5	0.2	1.5	5	1.9	0.7	4.6
Digestive System	11	0.9	0.4	1.9	3	0.9	0.3	3.0	2	1.5	0.4	6.4
Genitourinary System	10	1.0	0.4	2.5	1	0.5	0.1	4.3	1	1.5	0.2	10.3
Musculoskeletal & Connective Tissue	21	0.7	0.4	1.2	4	0.7	0.2	1.9	4	1.9	0.7	5.3
Symptoms, Signs, & Ill- Defined Cond.	7	1.6	0.6	4.6	1	0.7	0.1	4.9	0			
Injury & Poisoning	17	0.5	0.3	0.9	3	0.5	0.1	1.5	3	1.3	0.4	4.1
Sprains & Strains-Other	5	1.0	0.3	3.4	2	1.7	0.4	8.1	1	2.1	0.3	16.5
Complications & Unspecified Injuries	5	0.6	0.1	2.4	0				1	1.9	0.2	14.6

\* 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)



## ROCKY FLATS 1998

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

Diagnostic Category	Service 59 Person-Years				Security 290 Person-Years				Crafts and Manual Labor 449 Person-Years			
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	1	0.3	0.05	2.3	9	0.5	0.3	1.0	45	1.6	1.1	2.2
Mental Disorders	0				1	0.7	0.1	4.9	0			
Nervous System & Sense Organs	0				0				3	1.2	0.3	4.1
Circulatory System	1	3.5	0.5	25.4	0				5	1.6	0.6	4.3
Respiratory System	0				5	1.2	0.5	2.9	9	1.3	0.6	2.6
Digestive System	0				2	1.3	0.3	6.0	4	1.0	0.3	2.9
Genitourinary System	0				1	0.7	0.1	5.1	2	1.8	0.4	8.0
Musculoskeletal & Connective Tissue	0				2	0.5	0.1	2.2	10	1.8	0.9	3.7
Symptoms, Signs, & Ill- Defined Cond.	0				1	1.0	0.2	7.0	1	0.5	0.1	4.5
Injury & Poisoning	0				1	0.3	0.03	2.4	11	1.6	0.8	3.1
Sprains & Strains-Other	0				0				2	1.1	0.2	5.3
Complications & Unspecified Injuries	0				1	1.4	0.1	15.8	2	1.4	0.3	6.5

\* 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)

## ROCKY FLATS 1998

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

Diagnostic Category	Nuclear 434 Person-Years				Total Persons with 1+ Event
	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	
All Diagnostic Categories	55	2.2	1.6	3.0	237
Mental Disorders	6	4.2	1.5	12.1	17
Nervous System & Sense Organs	7	4.4	1.7	11.3	18
Circulatory System	6	2.6	1.0	6.7	22
Respiratory System	18	3.0	1.7	5.1	64
Digestive System	4	1.2	0.4	3.3	26
Genitourinary System	2	1.2	0.3	5.0	17
Musculoskeletal & Connective Tissue	9	1.6	0.8	3.3	50
Symptoms, Signs, & Ill- Defined Cond.	2	1.3	0.3	6.0	12
Injury & Poisoning	16	3.2	1.8	5.8	51
Sprains & Strains-Other	1	0.6	0.1	5.0	11
Complications & Unspecified Injuries	3	2.7	0.7	10.4	12

\* 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

## ROCKY FLATS 1998

## Appendix 0. 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

(CONTINUED)

## ROCKY FLATS 1998

## Appendix 0. 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)

## ROCKY FLATS 1998

## Appendix 0. Sentinel Health Events for Occupations (SHE0)

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	

ROCKY FLATS 1998

OSHA DATA

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

	Women				Men				
									%
	Age Group				Age Group				
	30 -	40 -	50 +	Total	30 -	40 -	50 +	Total	Total
Job Category									
Administration	6	6	3	15	12	6	4	22	37
Professional	0	0	0	0	1	1	0	2	2
Technical	2	0	0	2	1	4	1	6	8
Security	1	2	1	4	5	5	0	10	14
Crafts and Manual Labor	0	0	0	0	1	4	8	13	13
Nuclear	3	4	0	7	1	3	5	9	16
Total	12	12	4	28	21	23	18	62	90

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

ROCKY FLATS 1998

OSHA DATA

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

	Women	Men	Total
	Days	Days	Days
	# of ,Restr-, Days , Events, icted , Lost	# of ,Restr-, Days , Events, icted , Lost	# of ,Restr-, Days , Events, icted , Lost
Age Group			
30 - 39	13, 80,	0, 22, 258,	3, 35, 338,
40 - 49	15, 175,	0, 26, 385,	5, 41, 560,
50 +	4, 168,	5, 18, 59,	1, 22, 227,
Total	32, 423,	5, 66, 702,	9, 98, 1125,

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

ROCKY FLATS 1998

OSHA DATA

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

	Women		Men		Total		
	# of Events	Days Lost	# of Events	Days Lost	# of Events	Days Lost	%
Administration	15	258	5	24	310	0	39
Professional	0	0	0	2	0	0	2
Technical	2	6	0	6	132	0	8
Security	7	35	0	10	191	5	17
Crafts and Manual Labor	0	0	0	13	64	3	13
Nuclear	8	124	0	11	5	1	19
Total	32	423	5	66	702	9	98

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



ROCKY FLATS 1998

OSHA DATA

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

Diagnostic Category	Women				Men				Total
	Age Group		Age Group		Age Group		Age Group		
	30 - 39	40 - 49	50 +	Total	30 - 39	40 - 49	50 +	Total	
NERVOUS SYSTEM (NS) & SENSE ORGANS	0	0	0	0	1	0	1	2	2
- Disorders of Peripheral NS	0	0	0	0	1	0	1	2	2
RESPIRATORY SYSTEM - Acute Respiratory Infections	0	1	0	1	0	0	0	0	1
- Other Dis Upper Respiratory Tract	0	1	0	1	0	0	0	0	1
- Other Respiratory Dis	0	1	0	1	0	0	0	0	1
DIGESTIVE SYSTEM - Hernia	0	0	0	0	0	1	0	1	1
SKIN & SUBCUTANEOUS TISSUE - Other Inflammatory Conditions	2	2	0	4	0	2	0	2	6
- Other Inflammatory Conditions	2	0	0	2	0	2	0	2	4
- Other Musculoskeletal - Arthropathies	0	2	0	2	0	0	0	0	2
MUSCULOSKELETAL & CONNECTIVE TISSUE - Arthropathies	10	2	2	14	9	10	5	24	38
- Arthropathies	2	1	2	5	1	4	3	8	13

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

Diagnostic Category	Women				Men				Total
	Age Group		Age Group		Age Group		Age Group		
	30 - 39	40 - 49	50 +	Total	30 - 39	40 - 49	50 +	Total	
-Dorsopathies, 720-724	1	0	0	1	4	2	0	6	7
-Rheumatism, 725-729									
Excluding Back	7	1	0	8	4	4	2	10	18
SYMPTOMS, 780-799									
SIGNS, & ILL-DEFINED COND.	1	1	1	3	4	1	1	6	9
-Symptoms, 780-789	1	0	1	2	4	1	1	6	8
-Ill-Defined, 797-799									
& Unknown Causes	0	1	0	1	0	0	0	0	1
INJURY AND POISONING, 800-999	6	16	3	25	15	16	13	44	69
-Fracture - Neck, Trunk	0	0	0	0	1	0	0	1	1
-Fracture - Upper Limb	0	1	0	1	2	2	0	4	5
-Fracture - Lower Limb	0	0	0	0	0	0	1	1	1
-Dislocation, 830-839	0	0	0	0	1	1	0	2	2
-Sprains & Strains - Back	1	1	0	2	2	0	1	3	5
-Sprains & Strains - Other	1	1	2	4	4	3	0	7	11
-Open Wound - Head, Neck, Trunk	1	0	0	1	2	1	1	4	5
-Open Wound - Upper Limb	0	1	0	1	0	4	2	6	7

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

Diagnostic Category	Women				Men			
	30 - 39	40 - 49	50 +	Total	30 - 39	40 - 49	50 +	Total
- Open Wound - 890-897	1	0	0	1	0	0	0	0
- Superficial Injury - 910-919	0	2	0	2	0	0	0	0
- Contusion - 920-924	0	0	0	0	0	1	0	1
- Foreign Body Entering Orifice - 930-939	1	1	0	2	0	0	2	4
- Complications & Unspecified Injuries - 958-959	1	8	1	10	3	4	6	13
- Unspecified Effects - External Causes - 990-995	0	1	0	1	0	0	0	0
<b>Total</b>	<b>19</b>	<b>24</b>	<b>6</b>	<b>49</b>	<b>29</b>	<b>30</b>	<b>20</b>	<b>79</b>

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

ROCKY FLATS 1998

OSHA DATA

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

		Women					
		Age Group					
		30 - 39	40 - 49	50 +			
		Days, Res-	Days, Res-	Days, Res-			
		tri - cted, Lost	tri - cted, Lost	tri - cted, Lost			
Diagnostic Category	ICD-9-CM Codes						
- Acute Respiratory Infections	460-466	0	0	0	0	0	0
- Other Dis Upper Respiratory Tract	470-478	0	0	0	0	0	0
- Other Respiratory Dis	510-519	0	0	0	0	0	0
- Other Inflammatory Conditions	690-698	3	0	0	0	0	0
- Other Arthropathies	700-709	0	0	1	0	0	0
- Other Rheumatism Excluding Back	710-719	26	0	16	0	48	0
- Other Dorsopathies	720-724	4	0	0	0	0	0
- Other Rheumatism Excluding Back	725-729	60	0	58	0	0	0
- Symptoms & Unknown Causes	780-789	0	0	0	0	48	0
- Ill-Defined & Unknown Causes	797-799	0	0	36	0	0	0
- Fracture - Upper Limb	810-819	0	0	0	0	0	0
- Sprains & Strains - Back	846-847	7	0	0	0	0	0

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

		Women					
		Age Group					
		30 - 39	40 - 49	50 +			
		Days	Days	Days	Res-	Res-	Res-
		tri -	Days	tri -	Days	tri -	Days
		cted	Lost	cted	Lost	cted	Lost
Diagnostic Category	ICD-9-CM Codes						
- Sprains & Strains - Other	840-845, 848	6	0	5	0	20	0
- Open Wound - Head, Neck, Trunk	870-879						
- Open Wound - Upper Limb	880-887	0	0	0	0	0	0
- Open Wound - Lower Limb	890-897	0	0	0	0	0	0
- Superficial Injury	910-919	0	0	5	0	0	0
- Foreign Body, Entering Orifice	930-939	0	0	0	0	0	0
- Complications & Unspecified Injuries	958-959	4	0	95	0	100	5
- Unspecified Effects - External Causes	990-995	0	0	0	0	0	0

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

	Men					
	Age Group					
	30 - 39	40 - 49	50 +			
	Days	Days	Days	Res-	Res-	Res-
	tri -	Days	tri -	Days	tri -	Days
	cted	Lost	cted	Lost	cted	Lost
Diagnostic Category	ICD-9- CM Codes					
- Disorders of, 350- 359						
Peripheral NS,	0, 0, 0, 0, 30, 0,					
- Hernia , 550- 553	0, 0, 17, 0, 0, 0,					
- Other , 690- 698						
Inflammatory ,						
Conditions ,	0, 0, 0, 0, 0, 0,					
- Arthropathi - , 710- 719						
es ,	7, 0, 50, 0, 0, 1,					
- Dorsopathi es, 720- 724	59, 0, 56, 0, 0, 0,					
- Rheumati sm , 725- 729						
Excludi ng ,						
Back ,	7, 0, 111, 0, 0, 0,					
- Symptom s , 780- 789	15, 0, 7, 0, 0, 0,					
- Fracture - , 805- 809						
Neck, Trunk ,	0, 0, 0, 0, 0, 0,					
- Fracture - , 810- 819						
Upper Limb ,	0, 0, 0, 0, 0, 0,					
- Fracture - , 820- 829						
Lower Limb ,	0, 0, 0, 0, 0, 0,					
- Dislocati on , 830- 839	64, 0, 4, 0, 0, 0,					
- Sprains & , 846- 847						
Strains - ,						
Back ,	22, 0, 0, 0, 0, 0,					
- Sprains & , 840- 845, 848						
Strains - ,						
Other ,	85, 3, 122, 5, 0, 0,					

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

	Men						
	Age Group						
	30 - 39	40 - 49	50 +				
	Days	Days	Days	Res-	Res-	Res-	Days
	cted, Lost	cted, Lost	cted, Lost				
Diagnostic Category	ICD-9-CM Codes						
- Open Wound - , 870- 879	Head, Neck,	Trunk	0, 0, 0, 0, 0, 0,				
- Open Wound - , 880- 887	Upper Limb	0, 0, 0, 0, 0, 0,					
- Contusion , 920-924	0, 0, 18, 0, 0, 0,						
- Foreign Body, 930- 939	Entering	Orifice	0, 0, 0, 0, 0, 0,				
- Complicatio-, 958- 959	ns &	Unspecif ied	Injuries	26, 0, 76, 0, 29, 0,			

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

ROCKY FLATS 1998

OSHA DATA

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

Type of Accident	Women				Men			
	30 - 39	40 - 49	50 +	Total	30 - 39	40 - 49	50 +	Total
Falls, E880-E888	0	5	0	5	2	1	2	5
Submersion/Suffocation/F, E910-E915								
Foreign Bodies, E916-E928	0	1	0	1	0	0	2	2
Other Accidents	7	6	3	16	17	20	11	48

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



ROCKY FLATS 1998

OSHA DATA

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

		Women					
		Age Group					
		30 - 39		40 - 49		50 +	
		Days	Days	Days	Days	Days	Days
		Res-	Res-	Res-	Res-	Res-	Res-
		tri -	Days	tri -	Days	tri -	Days
		cted	Lost	cted	Lost	cted	Lost
Type of Accident	E Codes						
Falls	E880- E888	0	0	82	0	0	0
Submersion/S-	E910- E915						
Asphyxiation/F-							
Foreign Bodies		0	0	0	0	0	0
Other	E916- E928						
Accidents		17	0	34	0	120	5

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

		Men					
		Age Group					
		30 - 39	40 - 49	50 +			
		Days	Days	Days	Res-	Res-	Res-
		tri -	Days	tri -	Days	tri -	Days
		cted, Lost	cted, Lost	cted, Lost			
Type of Accident	E Codes						
Falls	E880- E888	24	0	0	0	0	0
Submersion/S-	E910- E915						
Asphyxiation/F-							
Foreign Bodies		0	0	0	0	0	0
Other	E916- E928						
Accidents		232	3	283	5	59	0

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

ROCKY FLATS 1998

OSHA DATA

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

		Women						
		Job Category						
		Admi-	nist-	ratio-	Tech-	Secu-	Nucl-	Total
Diagnostic Category	ICD-9-CM Code							
RESPIRATORY SYSTEM	460-519	0	0	3	0	3		
- Acute Respiratory Infections	460-466							
- Other Dis	470-478			1	0	1		
- Other	510-519			1	0	1		
SKIN & SUBCUTANEOUS TISSUE	680-709							
- Other	690-698			2	0	2		
Inflammatory Conditions	710-739							
- Arthropathies	710-719			1	0	1		
- Dorsopathies	720-724			3	0	3		
- Rheumatism	725-729			0	1	1		
- Excluding Back	780-799			4	3	7		
SYMPTOMS, SIGNS, & ILL-DEFINED COND.				2	0	2		

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

	Women				
Job Category					
	Admi -	nist -	rati -	Tech- , Secu- , Nucl -	on , nical , rity , ear , Total
Diagnostic Category					
- Symptoms , ICD-9- CM Code					
- Symptoms , 780- 789	1,	0,	0,	1,	2,
- Ill- Defined , 797- 799					
& Unknown Causes	1,	0,	0,	0,	1,
INJURY AND POISONING , 800- 999					
- Fracture - , 810- 819					
Upper Limb	1,	0,	0,	0,	1,
- Sprains & Strains - , 846- 847					
Back	0,	0,	2,	0,	2,
- Sprains & Strains - , 840- 845, 848					
Other	1,	0,	2,	1,	4,
- Open Wound - , 870- 879					
Head, Neck, Trunk	1,	0,	0,	0,	1,
- Open Wound - , 880- 887					
Upper Limb	0,	0,	1,	0,	1,
- Open Wound - , 890- 897					
Lower Limb	1,	0,	0,	0,	1,
- Superficial , 910- 919					
Injury	0,	0,	0,	2,	2,
- Foreign Body, 930- 939					
Entering Orifice	1,	0,	1,	0,	2,
- Complicatio- , 958- 959					
ns & Unspecified Injuries	6,	1,	1,	2,	10,

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

Women					
Diagnostic Category	ICD-9-CM Code	Admi -	ni st -	rati - , Tech- , Secu- , Nucl - ,	on , nical , rity , ear , Total
- Unspecified , 990-995					
Effects -					
External					
Causes		1,	0,	0,	0,
Total		23,	5,	10,	11,

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

	Men							
	Job Category							
	Craf-	ts	Admi-	and	ni st-	Prof-	Manu-	
	rati-	essi-	Tech-	Secu-	al	Nucl-		
	on	onal	nical	ri ty	Labor	ear	Total	
Diagnostic Category	ICD-9-CM Code							%
NERVOUS	320-389							
SYSTEM (NS) & SENSE ORGANS		1	0	0	0	1	0	2
- Disorders of	350-359							
Peripheral NS		1	0	0	0	1	0	2
DIGESTIVE	520-579							
SYSTEM		1	0	0	0	0	0	1
- Hernia	550-553							
		1	0	0	0	0	0	1
SKIN & SUBCUTANEOUS	680-709							
TISSUE		0	0	0	0	1	1	2
- Other	690-698							
Inflammatory								
Conditions		0	0	0	0	1	1	2
MUSCULOSKELE-	710-739							
TAL & CONNECTIVE								
TISSUE		13	0	3	2	4	2	24
- Arthropathi-	710-719							
es		2	0	2	0	2	2	8
- Dorsopathi es	720-724							
		3	0	1	1	1	0	6
- Rheumatism	725-729							
Excludi ng								
Back		8	0	0	1	1	0	10
SYMPTOMS,	780-799							
SIGNS, & ILL-								
DEFINED COND.		4	0	2	0	0	0	6
- Symptoms	780-789							
		4	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)

ROCKY FLATS 1998

OSHA DATA

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

Diagnostic Category	Men							
	ICD-9-CM Code							
INJURY AND POISONING	800-999	16	2	3	8	7	8	44
- Fracture -	805-809							
Neck, Trunk		0	0	0	1	0	0	1
- Fracture -	810-819							
Upper Limb		2	1	0	0	0	1	4
- Fracture -	820-829							
Lower Limb		0	0	0	0	1	0	1
- Dislocation	830-839							
		0	0	0	1	1	0	2
- Sprains & Strains -	846-847							
Back		1	0	0	1	1	0	3
- Sprains & Strains -	840-845, 848							
Other		2	0	0	3	1	1	7
- Open Wound -	870-879							
Head, Neck, Trunk		2	0	0	1	0	1	4
- Open Wound -	880-887							
Upper Limb		3	0	1	1	0	1	6
- Contusion	920-924							
		1	0	0	0	0	0	1
- Foreign Body	930-939							
Entering Orifice		0	0	0	0	2	0	2
- Complications & Unspecified Injuries	958-959							
		5	1	2	0	1	4	13
Total		35	2	8	10	13	11	79

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

ROCKY FLATS 1998

OSHA DATA

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

Women									
Job Category									
Administrative	Technical	Security	Nuclear	Days	Days	Days	Days	Days	Days
Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-
Days	Days	Days	Days	Days	Days	Days	Days	Days	Days
cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost	cted, Lost
ICD-9-CM Codes	ICD-9-CM Codes	ICD-9-CM Codes	ICD-9-CM Codes	ICD-9-CM Codes	ICD-9-CM Codes	ICD-9-CM Codes	ICD-9-CM Codes	ICD-9-CM Codes	ICD-9-CM Codes
- Acute	460-466	0	0	0	0	0	0	0	0
Respiratory	Infections	0	0	0	0	0	0	0	0
- Other Dis	470-478	0	0	0	0	0	0	0	0
Upper	Respiratory	0	0	0	0	0	0	0	0
Tract	- Other	0	0	0	0	0	0	0	0
Dis	510-519	0	0	0	0	0	0	0	0
- Other	690-698	0	0	0	0	0	0	3	0
Inflammatory	Conditions	0	0	0	0	0	0	1	0
- Other	700-709	0	0	0	0	0	0	1	0
- Arthropathi	- 710-719	74	0	0	0	0	0	16	0
es	- Dorsopathi	0	0	4	0	0	0	0	0
- 720-724	es	0	0	4	0	0	0	0	0
- Rheumatism	725-729	0	0	0	0	0	0	0	0
Excluding	Back	58	0	2	0	0	0	58	0
- Symptoms	780-789	48	0	0	0	0	0	0	0
- Ill-Defined	797-799	0	0	0	0	0	0	0	0
& Unknown	Causes	36	0	0	0	0	0	0	0
- Fracture -	810-819	0	0	0	0	0	0	0	0
Upper Limb		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)



ROCKY FLATS 1998

OSHA DATA

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

Women									
Job Category	Administration	Technical	Security	Nuclear	Days	Days	Days	Days	Days
Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-
tri -	tri -	tri -	tri -	tri -	tri -	tri -	tri -	tri -	tri -
cted	cted	cted	cted	cted	cted	cted	cted	cted	cted
Lost	Lost	Lost	Lost	Lost	Lost	Lost	Lost	Lost	Lost
Diagnostic Category									
- Sprains & Strains - Back		0	0	0	7	0	0	0	0
- Sprains & Strains - Other		16	0	0	10	0	5	0	0
- Open Wound - Head, Neck, Trunk		0	0	0	0	0	0	0	0
- Open Wound - Upper Limb		0	0	0	0	0	0	0	0
- Open Wound - Lower Limb		0	0	0	0	0	0	0	0
- Superficial Injury		0	0	0	0	0	5	0	0
- Foreign Body, Entering Orifice		0	0	0	0	0	0	0	0
- Complications & Unspecified Injuries		136	5	4	18	0	41	0	0
- Unspecified Effects - External Causes		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)

ROCKY FLATS 1998

OSHA DATA

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

Men												
Job Category												
	Crafts	and	Administ-	Professi-	Manual	ration	onal	Technical	Security	Labor	Nuclear	
	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days
	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-
	tri -	Days	tri -	Days	tri -	Days	tri -	Days	tri -	Days	tri -	Days
	cted	Lost	cted	Lost	cted	Lost	cted	Lost	cted	Lost	cted	Lost
Di agnostic	ICD-9- CM Codes,											
Category												
- Disorders of, 350-359												
Peripheral NS,	0	0	0	0	0	0	0	0	0	30	0	0
- Hernia , 550-553	17	0	0	0	0	0	0	0	0	0	0	0
- Other , 690-698												
Inflammatory												
Conditions	0	0	0	0	0	0	0	0	0	0	0	0
- Arthropathi -, 710-719												
es	7	0	0	0	47	0	0	0	0	3	0	1
- Dorsopathi es, 720-724	59	0	0	0	47	0	0	0	0	9	0	0
- Rheumatism , 725-729												
Excludi ng												
Back	113	0	0	0	0	0	5	0	0	0	0	0
- Symptoms , 780-789	13	0	0	0	9	0	0	0	0	0	0	0
- Fracture - , 805-809												
Neck, Trunk	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
- Fracture - , 820-829												
Lower Limb	0	0	0	0	0	0	0	0	0	0	0	0
- Dislocati on , 830-839	0	0	0	0	0	0	64	0	4	0	0	0
- Sprains & , 846-847												
Strains -												
Back	22	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)

ROCKY FLATS 1998

OSHA DATA

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

Men												
Job Category												
	Crafts	and	Manual	Technical	Security	Labor	Nuclear	Administration	Professional	Other	Unspecified	Total
Diagnostic Category	Days	Res-tri	Days	Res-tri	Days	Res-tri	Days	Res-tri	Days	Res-tri	Days	Res-tri
-Sprains & Strains - Other	122	5	18	3	5	0	62	0	0	0	0	0
- Open Wound - 870-879												
Head, Neck, Trunk	0	0	0	0	0	0	0	0	0	0	0	0
- Open Wound - 880-887												
Upper Limb	0	0	0	0	0	0	0	0	0	0	0	0
- Contusion - 920-924	18	0	0	0	0	0	0	0	0	0	0	0
- Foreign Body, 930-939												
Entering Orifice	0	0	0	0	0	0	0	0	0	0	0	0
- Complications & Injuries - 958-959	55	0	0	0	76	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.

ROCKY FLATS 1998

OSHA DATA

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

		Women						
		Job Category						
		Admi -	ni st -	rati -	Tech -	Secu -	Nucl -	Total
Type of Accident	E CODES							
Falls	E880-E888	2	0	1	2	5		
Submersion/Suffocation/Foreign Bodies	E910-E915							
Other Accidents	E916-E928	8	1	5	2	16		

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

(CONTINUED)

ROCKY FLATS 1998

OSHA DATA

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

Type of Accident	Men							
	Job Category							
	Crafts	Administrative	Professional	Manufacturing	Operative	Technical	Security	Total
Falls, E880-E888	2	0	0	1	1	1	5	
Submersion/Suffocation/Foreign Bodies, E910-E915	0	0	0	0	2	0	2	
Other Accidents, E916-E928	17	2	4	9	8	8	48	

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

ROCKY FLATS 1998

OSHA DATA

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

Women									
Job Category									
Administration	Technical	Security	Nuclear	Days	Days	Days	Days	Days	Days
Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-	Res-
tri -	tri -	tri -	tri -	tri -	tri -	tri -	tri -	tri -	tri -
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								
Falls	E880-E888	36	0	0	0	0	0	46	0
Submersion/S-	E910-E915								
Asphyxiation/F-									
Foreign Bodies		0	0	0	0	0	0	0	0
Other	E916-E928								
Accidents		116	5	4	0	35	0	16	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)

ROCKY FLATS 1998

OSHA DATA

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

Type of Accident	Men											
	Job Category											
	Crafts	and	Administration	Professional	Technical	Security	Labor	Nuclear	Res-tri	Res-tri	Res-tri	Res-tri
Falls, E880-E888	19	0	0	0	0	0	0	0	0	0	5	0
Submersion/Suffocation/Foreign Bodies, E910-E915	0	0	0	0	0	0	0	0	0	0	0	0
Other Accidents, E916-E928	196	0	0	0	123	0	191	5	64	3	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.

## Rocky Flats 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 1994 to 1998

## Rate per 1,000 Women

Women Year	Administration			Professional			Technical			Service		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1994	28	42	63	9	25	64	59	92	144	50	118	278
1995	18	26	38	6	22	90	36	63	110	51	135	357
1996	44	64	92	5	15	46	5	19	77	36	119	395
1997	26	37	54	21	44	92	0	0	0	0	0	0
1998	20	30	45	0	0	0	49	118	283	0	0	0

Year	Security			Crafts and Manual Labor			Nuclear			Other/Unknown		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1994	*	*	*	0	0	0	43	87	175	0	0	0
1995	0	0	0	6	45	322	79	149	278	0	0	0
1996	11	34	107	0	0	0	47	90	173	59	126	270
1997	25	152	935	26	91	313	66	120	219	72	126	218
1998	79	168	355	0	0	0	58	110	207	**	**	**

\*Service and Security workers combined.

\*\*No workers in this category.

## Part 2. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Among Men by Job Category from 1994 to 1998

## Rate per 1,000 Men

Men Year	Administration			Professional			Technical			Service		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1994	7	13	25	15	24	39	43	58	77	80	120	181
1995	4	7	11	4	8	14	21	36	61	90	151	254
1996	14	22	35	2	5	13	13	23	41	24	47	94
1997	12	26	58	2	5	17	37	60	95	31	101	328
1998	17	24	34	1	4	19	16	34	72	0	0	0

Year	Security			Crafts and Manual Labor			Nuclear			Other/Unknown		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1994	*	*	*	54	74	101	78	117	174	0	0	0
1995	10	26	68	44	63	91	23	43	80	10	31	99
1996	57	91	144	67	92	126	24	40	65	15	40	106
1997	23	40	70	59	93	146	24	38	61	14	39	108
1998	12	23	43	13	22	39	12	26	58	**	**	**

\*Service and Security workers combined.

\*\*No workers in this category.

## Part 3. Age-Adjusted Rates for Injury by Gender from 1994 to 1998

## Rate per 1,000

Year	Injury Men			Injury Women		
	Lower	Mid	Upper	Lower	Mid	Upper
1994	28	34	42	31	42	57
1995	18	24	32	21	29	40
1996	16	21	27	14	22	34
1997	17	25	37	12	20	34
1998	10	14	19	14	21	31



## ROCKY FLATS 1998

## OSHA

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

## Part 1. Men

Category of Diagnoses	ICD-9- CM Code	Number of Diagnoses*	Age- Adj usted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001- 139	0	0	0	0
Malignant Neoplasms	140- 208, 230- 234	0	0	0	0
Digestive Organs	150- 159	0	0	0	0
Respiratory System	160- 165	0	0	0	0
Breast	174- 175	0	0	0	0
Geni tourinary	179- 189	0	0	0	0
Nervous System	191- 192	0	0	0	0
Leukemi a, Lymphoma	200- 208	0	0	0	0
Benign Neoplasms & Other	210- 229, 235- 239	0	0	0	0
Endocrine & Metabolic Diseases	240- 279	0	0	0	0
Blood & Blood- Forming Organs	280- 289	0	0	0	0
Mental Disorders	290- 319	0	0	0	0
Alcoholism	303	0	0	0	0
Drug Abuse	304- 305	0	0	0	0
Nervous System & Sense Organs	320- 389	2	0. 6	0. 1	2. 3
Circulatory System	390- 459	0	0	0	0
Hypertension	401	0	0	0	0
Acute Myocardial Infarction	410	0	0	0	0
Ischemic Disease, not M I.	411- 414, 429. 2	0	0	0	0
Cerebrovascular Disease	430- 438	0	0	0	0
Respiratory System	460- 519	0	0	0	0
Upper Respiratory	460- 465, 470- 478	0	0	0	0
Pneumoni a/Bronchiti s	466, 480- 487	0	0	0	0
Chronic Respiratory Conditions	490- 496	0	0	0	0
Digestive System	520- 579	1	0. 2	0. 0	1. 4
Herni as	550- 553	1	0. 2	0. 0	1. 4
Gallbladder Disease	574- 575	0	0	0	0
Geni tourinary System	580- 629	0	0	0	0
Benign Prostatic Hypertrophy	600	0	0	0	0
Skin & Subcutaneous Tissue	680- 709	2	0. 4	0. 1	1. 6
Musculoskeletal System	710- 739	24	6. 1	4. 0	9. 1
Dorsopathi es	720- 724	6	1. 6	0. 7	3. 7
Congenital Anomalies	740- 759	0	0	0	0
Certain Perinatal Conditions	760- 779	0	0	0	0
Symptoms, Signs & Ill Defined Cond.	780- 799	6	1. 7	0. 8	3. 8
Injury & Poisoning	800- 999	44	13. 6	9. 8	19. 1
Fractures, All Sites	800- 829	6	2. 1	0. 8	5. 1
Dislocations	830- 839	2	0. 5	0. 1	2. 1
Sprains & Strains	840- 848	10	3. 2	1. 6	6. 3
Intracranial Injuries	850- 854	0	0	0	0
Internal Injuries	860- 869	0	0	0	0
Open Wounds	870- 897	10	2. 9	1. 4	5. 9
Other Injuries	900- 999	16	5. 0	2. 9	8. 8
Health Status/Health Serv Contact	V01- V82	0	0	0	0
Family History of Health Problems	V10- V19	0	0	0	0
Circumstances Reproduction/Develop	V20- V28	0	0	0	0
Specifi c Procedure/Aftercare	V50- V59	0	0	0	0
TOTAL		79	22. 6	17. 7	28. 8

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

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

(CONTINUED)

## ROCKY FLATS 1998

## OSHA

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

## Part 2. Women

Category of Diagnoses	ICD-9- CM Code	Number of Diagnoses*	Age- Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001- 139	0	0	0	0
Malignant Neoplasms	140- 208, 230- 234	0	0	0	0
Digestive Organs	150- 159	0	0	0	0
Respiratory System	160- 165	0	0	0	0
Breast	174- 175	0	0	0	0
Genitourinary	179- 189	0	0	0	0
Nervous System	191- 192	0	0	0	0
Leukemia, Lymphoma	200- 208	0	0	0	0
Benign Neoplasms & Other	210- 229, 235- 239	0	0	0	0
Endocrine & Metabolic Diseases	240- 279	0	0	0	0
Blood & Blood-Forming Organs	280- 289	0	0	0	0
Mental Disorders	290- 319	0	0	0	0
Alcoholism	303	0	0	0	0
Drug Abuse	304- 305	0	0	0	0
Nervous System & Sense Organs	320- 389	0	0	0	0
Circulatory System	390- 459	0	0	0	0
Hypertension	401	0	0	0	0
Acute Myocardial Infarction	410	0	0	0	0
Ischemic Disease, not M.I.	411- 414, 429. 2	0	0	0	0
Cerebrovascular Disease	430- 438	0	0	0	0
Respiratory System	460- 519	3	2. 0	0. 6	6. 2
Upper Respiratory	460- 465, 470- 478	2	1. 3	0. 3	5. 4
Pneumonia/Bronchitis	466, 480- 487	0	0	0	0
Chronic Respiratory Conditions	490- 496	0	0	0	0
Digestive System	520- 579	0	0	0	0
Hernias	550- 553	0	0	0	0
Gallbladder Disease	574- 575	0	0	0	0
Genitourinary System	580- 629	0	0	0	0
Endometriosis	617	0	0	0	0
Ovarian Cysts	620. 0- 620. 2	0	0	0	0
Female Genital Pain/Bleeding	625- 626	0	0	0	0
Pregnancy & Childbirth***	630- 639	0	0	0	0
Skin & Subcutaneous Tissue	680- 709	4	3. 3	1. 2	9. 0
Musculoskeletal System	710- 739	14	13. 8	8. 1	23. 5
Dorsopathies	720- 724	1	1. 0	0. 1	7. 0
Congenital Anomalies	740- 759	0	0	0	0
Certain Perinatal Conditions	760- 779	0	0	0	0
Symptoms, Signs & Ill Defined Cond.	780- 799	3	2. 9	0. 9	9. 5
Injury & Poisoning	800- 999	25	20. 5	13. 7	30. 8
Fractures, All Sites	800- 829	1	0. 7	0. 1	4. 8
Dislocations	830- 839	0	0	0	0
Sprains & Strains	840- 848	6	5. 9	2. 6	13. 4
Intracranial Injuries	850- 854	0	0	0	0
Internal Injuries	860- 869	0	0	0	0
Open Wounds	870- 897	3	2. 7	0. 8	8. 4
Other Injuries	900- 999	15	11. 3	6. 7	19. 0
Health Status/Health Serv Contact	V01- V82	0	0	0	0
Family History of Health Problems	V10- V19	0	0	0	0
Circumstances Reproduction/Develop	V20- V28	0	0	0	0
Specific Procedure/Aftercare	V50- V59	0	0	0	0
Total Minus Pregnancies		49	42. 6	31. 9	56. 8
TOTAL		49	42. 6	31. 9	56. 8

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

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

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

(CONTINUED)

## ROCKY FLATS 1998

## OSHA

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

## Part 1. Men and Women

Category of Diagnoses	ICD-9- CM Code	Number of Diagnoses*	Age- Adj uste d Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001- 139	0	0	0	0
Malignant Neoplasms	140- 208, 230- 234	0	0	0	0
Digestive Organs	150- 159	0	0	0	0
Respiratory System	160- 165	0	0	0	0
Breast	174- 175	0	0	0	0
Genitourinary	179- 189	0	0	0	0
Nervous System	191- 192	0	0	0	0
Leukemia, Lymphoma	200- 208	0	0	0	0
Benign Neoplasms & Other	210- 229, 235- 239	0	0	0	0
Endocrine & Metabolic Diseases	240- 279	0	0	0	0
Blood & Blood-Forming Organs	280- 289	0	0	0	0
Mental Disorders	290- 319	0	0	0	0
Alcoholism	303	0	0	0	0
Drug Abuse	304- 305	0	0	0	0
Nervous System & Sense Organs	320- 389	2	0. 5	0. 1	1. 8
Circulatory System	390- 459	0	0	0	0
Hypertension	401	0	0	0	0
Acute Myocardial Infarction	410	0	0	0	0
Ischemic Disease, not M.I.	411- 414, 429. 2	0	0	0	0
Cerebrovascular Disease	430- 438	0	0	0	0
Respiratory System	460- 519	3	0. 5	0. 1	1. 4
Upper Respiratory	460- 465, 470- 478	2	0. 3	0. 1	1. 2
Pneumonia/Bronchitis	466, 480- 487	0	0	0	0
Chronic Respiratory Conditions	490- 496	0	0	0	0
Digestive System	520- 579	1	0. 2	0. 0	1. 1
Hernias	550- 553	1	0. 2	0. 0	1. 1
Gallbladder Disease	574- 575	0	0	0	0
Genitourinary System	580- 629	0	0	0	0
Benign Prostatic Hypertrophy	600	0	0	0	0
Endometriosis	617	0	0	0	0
Ovarian Cysts	620. 0- 620. 2	0	0	0	0
Female Genital Pain/Bleeding	625- 626	0	0	0	0
Pregnancy & Childbirth***	630- 639	0	0	0	0
Skin & Subcutaneous Tissue	680- 709	6	1. 1	0. 5	2. 4
Musculoskeletal System	710- 739	38	7. 8	5. 7	10. 8
Dorsopathies	720- 724	7	1. 5	0. 7	3. 1
Congenital Anomalies	740- 759	0	0	0	0
Certain Perinatal Conditions	760- 779	0	0	0	0
Symptoms, Signs & Ill Defined Cond.	780- 799	9	1. 9	1. 0	3. 7
Injury & Poisoning	800- 999	69	15. 4	11. 8	20. 2
Fractures, All Sites	800- 829	7	1. 8	0. 7	4. 3
Dislocations	830- 839	2	0. 4	0. 1	1. 6
Sprains & Strains	840- 848	16	3. 7	2. 2	6. 4
Intracranial Injuries	850- 854	0	0	0	0
Internal Injuries	860- 869	0	0	0	0
Open Wounds	870- 897	13	2. 9	1. 6	5. 5
Other Injuries	900- 999	31	6. 6	4. 4	9. 9
Health Status/Health Serv Contact	V01- V82	0	0	0	0
Family History of Health Problems	V10- V19	0	0	0	0
Circumstances Reproduction/Develop	V20- V28	0	0	0	0
Specific Procedure/Aftercare	V50- V59	0	0	0	0
Total Minus Pregnancies		128	27. 3	22. 6	33. 0
TOTAL		128	27. 3	22. 6	33. 0

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

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

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

## ROCKY FLATS 1998

## OSHA DATA

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

Diagnostic Category	Administration 1,728 Person-Years				Professional 402 Person-Years				Technical 158 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	37	0.6	0.4	1.0	2	0.2	0.04	0.7	8	2.1	1.0	4.4
Musculoskeletal & Connective Tissue	11	0.7	0.3	1.5	0				4	3.9	1.3	11.4
Injury & Poisoning	25	0.7	0.4	1.3	2	0.3	0.1	1.2	4	1.7	0.6	4.7
Sprains & Strains-Other	3	0.3	0.1	1.2	0				0			
Complications and Unspecified Injuries	9	0.7	0.3	1.8	1	0.5	0.1	3.5	3	4.4	1.2	15.3

\* 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)

## ROCKY FLATS 1998

## OSHA DATA

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

Diagnostic Category	Service 59 Person-Years				Security 290 Person-Years				Crafts and Manual Labor 449 Person-Years			
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	0				14	2.0	1.1	3.6	13	1.4	0.7	2.5
Musculoskeletal & Connective Tissue	0				2	1.0	0.2	4.2	4	1.4	0.5	4.4
Injury & Poisoning	0				12	2.8	1.5	5.3	7	1.1	0.5	2.6
Sprains & Strains-Other	0				5	5.5	2.1	14.3	1	1.0	0.1	8.0
Complications and Unspecified Injuries	0				1	0.7	0.1	4.9	1	0.4	0.1	3.7

\* 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)

## ROCKY FLATS 1998

## OSHA DATA

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

Diagnostic Category	Nuclear 434 Person-Years				Total Persons with 1+ Event
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	
All Diagnostic Categories	16	1.7	1.0	2.8	90
Musculoskeletal & Connective Tissue	5	1.8	0.7	4.7	26
Injury & Poisoning	7	1.1	0.5	2.4	57
Sprains & Strains-Other	2	1.8	0.4	8.0	11
Complications and Unspecified Injuries	4	2.2	0.7	6.6	19

\* 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