

ROCKY FLATS 1995

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

	Gender											
	Women						Men					
	Age Group						Age Group					
	16 -	30 -	40 -	50 -	60 +	Total	16 -	30 -	40 -	50 -	60 +	Total
Occupational Group												
Administrative	124	379	428	207	35	1173	72	522	707	350	57	1708
Professional	25	96	61	17	2	201	82	326	359	201	39	1007
Technical	16	94	97	30	3	240	33	285	342	207	42	909
Service	5	22	19	7	2	55	21	67	47	52	8	195
Security	3	8	10	0	0	21	33	99	41	19	5	197
Crafts and Manual Labor	0	2	5	0	0	7	9	106	188	127	20	450
Nuclear	15	21	35	10	1	82	26	117	124	75	4	346
Other/Unknown	6	29	16	6	0	57	24	88	57	25	1	195
Total	194	651	671	277	43	1836	300	1610	1865	1056	176	5007

ROCKY FLATS 1995

Appendix B. Total Number of Workers Who Reported at Least One Health Event by Gender, Age, and Occupation

	Gender														
	Women							Men							
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group		Age Group		
	16 -	30 -	40 -	50 -	60 +	Total	16 -	30 -	40 -	50 -	60 +	Total	Total	%	
Occupational Group															
Administrative	16,	85,	75,	48,	7,	231,	5,	36,	60,	23,	7,	131,	362,		
Professional	2,	9,	12,	3,	1,	27,	4,	25,	34,	15,	7,	85,	112,		
Technical	4,	31,	22,	9,	0,	66,	2,	34,	37,	30,	5,	108,	174,		
Service	0,	7,	0,	2,	1,	10,	4,	10,	8,	7,	1,	30,	40,		
Security	0,	1,	0,	0,	0,	1,	0,	2,	0,	1,	0,	3,	4,		
Crafts and Manual Labor	0,	0,	2,	0,	0,	2,	0,	11,	29,	16,	4,	60,	62,		
Nuclear	5,	9,	15,	1,	0,	30,	3,	12,	19,	15,	2,	51,	81,		
Other/Unknown	0,	1,	0,	0,	0,	1,	0,	2,	0,	3,	0,	5,	6,		
Total	27,	143,	126,	63,	9,	368,	18,	132,	187,	110,	26,	473,	841,		

ROCKY FLATS 1995

Appendix C. Total Number of Health Events by Gender, Age, and Occupation

	Gender													
	Women							Men						
	Age Group													
	16 -	30 -	40 -	50 -	60 +	Total	16 -	30 -	40 -	50 -	60 +	Total	Total	%
Occupational Group														
Administrative	19,	107,	86,	59,	7,	278,	5,	42,	72,	27,	10,	156,	434,	
Professional	3,	11,	12,	3,	1,	30,	4,	26,	35,	15,	7,	87,	117,	
Technical	4,	38,	33,	13,	0,	88,	2,	45,	44,	34,	5,	130,	218,	
Service	0,	8,	0,	3,	2,	13,	4,	12,	10,	7,	1,	34,	47,	
Security	0,	1,	0,	0,	0,	1,	0,	4,	0,	1,	0,	5,	6,	
Crafts and Manual Labor	0,	0,	2,	0,	0,	2,	0,	15,	37,	18,	5,	75,	77,	
Nuclear	5,	12,	18,	3,	0,	38,	5,	14,	25,	20,	5,	69,	107,	
Other/Unknown	0,	2,	0,	0,	0,	2,	0,	2,	0,	3,	0,	5,	7,	
Total	31,	179,	151,	81,	10,	452,	20,	160,	223,	125,	33,	561,	1013,	

ROCKY FLATS 1995

Appendix D. Distribution of the Number of Calendar Days Absent/Health Event by Gender and Age

	Gender											
	Women						Men					
	Age Group						Age Group					
	, 16 -	, 30 -	, 40 -	, 50 -	, 60 +	Total	, 16 -	, 30 -	, 40 -	, 50 -	, 60 +	Total
# of Calendar Days												
%												
< 15	18,	98,	90,	48,	8,	262,	14,	100,	132,	57,	19,	322,
, 15 - 28	4,	40,	32,	13,	1,	90,	4,	42,	47,	39,	8,	140,
, 29 - 42	0,	17,	9,	5,	1,	32,	0,	8,	18,	12,	3,	41,
, 43 - 56	2,	9,	10,	8,	0,	29,	1,	5,	7,	3,	3,	19,
, 57 - 91	5,	9,	6,	6,	0,	26,	1,	4,	8,	8,	0,	21,
, 92 - 182	2,	3,	2,	1,	0,	8,	0,	1,	8,	4,	0,	13,
, 183 +	0,	3,	2,	0,	0,	5,	0,	0,	3,	2,	0,	5,
, Total	31,	179,	151,	81,	10,	452,	20,	160,	223,	125,	33,	561,

ROCKY FLATS 1995

Appendix E. Distribution of the Number of Calendar Days Absent/Health Event by Gender and Occupation

	Gender																	
	Women								Men									
	Occupation								Occupation									
	Cra-	fts	Adm-	ini - , Pro-	Man-	Oth-	er/-	ati - , sio - , hni - , Ser- , uri - , Lab- , Nuc- , Unk- , Tot-	Cra-	fts	Adm-	ini - , Pro-	Man-	Oth-	er/-	ati - , sio - , hni - , Ser- , uri - , Lab- , Nuc- , Unk- , Tot-		
# of Calendar Days																		
< 15	164,	19,	54,	4,	0,	1,	19,	1,	262,	96,	54,	77,	16,	4,	34,	39,	2,	322,
15 - 28	56,	4,	14,	4,	1,	0,	10,	1,	90,	36,	21,	34,	10,	0,	21,	16,	2,	140,
29 - 42	12,	5,	11,	0,	0,	0,	4,	0,	32,	11,	5,	8,	2,	1,	10,	4,	0,	41,
43 - 56	21,	2,	2,	3,	0,	0,	1,	0,	29,	6,	3,	3,	2,	0,	2,	3,	0,	19,
57 - 91	19,	0,	3,	1,	0,	0,	3,	0,	26,	4,	3,	3,	4,	0,	3,	3,	1,	21,
92 - 182	4,	0,	3,	0,	0,	0,	1,	0,	8,	3,	1,	4,	0,	0,	4,	1,	0,	13,
183 +	2,	0,	1,	1,	0,	1,	0,	0,	5,	0,	0,	1,	0,	0,	1,	3,	0,	5,
Total	278,	30,	88,	13,	1,	2,	38,	2,	452,	156,	87,	130,	34,	5,	75,	69,	5,	561,

ROCKY FLATS 1995

Appendix F. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category ICD-9-CM Code	Gender													
	Women							Men						
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group		Age Group	
	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	Total	Total
INFECTION & PARASITIC DISEASES, 001-139	5	25	13	13	2	58	2	22	15	8	3	50	108	
- Intestinal Infections, 001-009	2	5	2	4	0	13	0	7	2	0	1	10	23	
- Other Bacterial Diseases, 030-041	1	6	1	6	0	14	0	5	4	1	0	10	24	
- Viral Diseases with Exanthem, 050-057	0	1	1	0	1	3	1	3	1	0	0	5	8	
- Arthropod-Borne Viral Diseases, 060-066	0	0	0	0	0	0	0	1	0	0	0	1	1	
- Other Viral Diseases & Chlamydiae, 070-079	2	10	9	3	1	25	1	6	8	7	2	24	49	
- Mycoses, 110-118	0	2	0	0	0	2	0	0	0	0	0	0	2	
- Other Infections and Parasites, 130-136	0	1	0	0	0	1	0	0	0	0	0	0	1	
MALIGNANT NEOPLASMS, 140-208, 230-234	0	0	3	0	0	3	0	1	4	3	1	9	12	
- Lip, Oral Cavity, Pharynx, 140-149	0	0	0	0	0	0	0	0	1	0	0	1	1	
- Digestive Organs, 150-159	0	0	0	0	0	0	0	0	0	0	1	1	1	

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

(CONTINUED)

ROCKY FLATS 1995

Appendix F. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category ICD-9-CM Code	Gender													
	Women						Men							
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group			
	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total		
- Bone, Connective Tissue, Skin	170-173, 176	0	0	0	0	0	0	1	0	1	0	2		
- Genitourinary	179-189	0	0	1	0	0	1	0	0	2	2	0	4	5
- Other & Unspecified Sites	190, 193-199	0	0	2	0	0	2	0	0	0	0	0	0	2
- Leukemia, Lymphoma	200-208	0	0	0	0	0	0	0	1	0	0	1	1	1
- BENIGN & OTHER NEOPLASMS	210-229, 235-239	0	4	6	2	1	13	0	1	0	0	1	2	15
- ENDOCRINE & METABOLIC DISEASES	240-279	0	1	3	0	1	5	0	1	1	3	0	5	10
- Thyroid Gland	240-246	0	1	2	0	1	4	0	0	0	0	0	0	4
- Other Endocrine Glands	250-259	0	0	1	0	0	1	0	1	0	1	0	2	3
- Other Metabolic & Immunity Disorders	270-279	0	0	0	0	0	0	0	1	2	0	3	3	3
- BLOOD & BLOOD-FORMING ORGANS	280-289	0	0	0	0	0	0	0	1	0	0	1	1	1
- MENTAL DISORDERS	290-319	2	12	6	1	0	21	4	8	16	2	1	31	52
- Psychotic Conditions	290-299	0	0	0	0	0	0	1	2	1	0	4	4	4
- Non-Psychotic Conditions	300-302, 306-316	2	12	6	1	0	21	4	6	11	1	1	23	44

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

(CONTINUED)

ROCKY FLATS 1995

Appendix F. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category ICD-9-CM Code	Gender													
	Women						Men							
	Age Group						Age Group							
	16 -	30 -	40 -	50 -	60 +	Total	16 -	30 -	40 -	50 -	60 +	Total		
- Alcohol Dependence	303	0	0	0	0	0	0	1	3	0	0	4	4	
NERVOUS SYSTEM & SENSE ORGANS														
- Hereditary/Degenerative	330-337													
- Diseases		0	2	0	0	0	2	0	0	0	0	0	2	
- Other Disorders of CNS	340-349	0	1	0	1	0	2	0	0	2	0	0	2	4
- Disorders of Peripheral	350-359													
NS		0	2	6	0	0	8	0	1	3	2	0	6	14
- Disorders of Eye	360-379	0	4	2	2	0	8	0	1	5	4	0	10	18
- Diseases of Ear & Mastoid	380-389													
		1	6	5	5	0	17	0	2	9	0	0	11	28
CIRCULATORY SYSTEM	390-459													
- Hypertensive Disease	401-405	0	0	2	0	0	2	0	0	3	0	0	3	5
- Ischemic Heart Disease	410-414	0	0	0	0	0	0	0	0	4	11	0	15	15
- Diseases of Pulmonary	415-417													
Circulation		0	0	0	0	0	0	0	1	0	0	0	1	1
- Other Heart Disease	420-429	0	1	1	0	0	2	0	0	0	3	0	3	5
- Cerebrovascular Disease	430-438	0	1	0	0	0	1	0	1	0	1	0	2	3

(CONTINUED)



ROCKY FLATS 1995

Appendix F. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category ICD-9-CM Code	Gender													
	Women						Men							
	Age Group						Age Group							
	16 - 29	30 - 39	40 - 49	50 - 59	60 + Total	%	16 - 29	30 - 39	40 - 49	50 - 59	60 + Total	%		
-Diseases of Arteries & Capillaries, 440-448	0	0	0	0	0	0	0	0	0	1	2	1	4	4
-Diseases of Veins, Lymphatics, Other, 451-459	0	2	1	1	0	4	0	3	4	0	0	7	11	
RESPIRATORY SYSTEM, 460-519	17	87	79	42	5	230	15	52	114	55	14	250	480	
-Acute Respiratory Infections, 460-466	3	10	24	6	1	44	3	8	27	13	3	54	98	
-Other Diseases Upper Respiratory Tract, 470-478	7	26	17	11	1	62	5	16	26	8	1	56	118	
-Pneumonia and Influenza, 480-487	4	23	20	13	1	61	2	18	38	13	6	77	138	
-Chronic Obstructive Diseases, 490-496	3	26	15	11	2	57	3	9	18	17	1	48	105	
-Lung Disease from External Agents, 500-508	0	0	0	0	0	0	0	0	0	0	1	0	1	1
-Other Respiratory Diseases, 510-519	0	2	3	1	0	6	2	1	5	3	3	14	20	
DIGESTIVE SYSTEM, 520-579	0	12	12	6	0	30	3	26	21	11	4	65	95	
-Oral Cavity, Saliv. Glands, Jaw, 520-529	0	0	2	0	0	2	0	4	1	2	0	7	9	
-Esophagus, Stomach, Duodenum, 530-537	0	4	1	0	0	5	0	5	8	0	0	13	18	

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

(CONTINUED)

ROCKY FLATS 1995

Appendix F. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category ICD-9- CM Code	Gender																					
	Women						Men															
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group											
	16 -	29 -	30 -	39 -	40 -	49 -	50 -	59 -	60 +	Total	16 -	29 -	30 -	39 -	40 -	49 -	50 -	59 -	60 +	Total		
- Appendicitis 540-543	0	0	0	0	0	0	0	0	2	2	0	0	4	4								
- Hernias 550-553	0	0	3	2	0	5	0	7	7	2	3	19	24									
- Enteritis, Colitis 555-558	0	5	0	0	0	5	3	4	0	2	0	9	14									
- Other Intestinal Diseases 560-569	0	1	2	2	0	5	0	3	0	3	1	7	12									
- Other Digestive Diseases 570-579	0	2	4	2	0	8	0	1	3	2	0	6	14									
- GENITOURINARY SYSTEM 580-629	1	14	17	3	0	35	1	8	6	9	3	27	62									
- Nephritis, Nephrosis 580-589	0	1	1	0	0	2	1	2	1	1	0	5	7									
- Other Urinary Diseases 590-599	1	1	4	1	0	7	0	5	4	5	1	15	22									
- Male Genital Organs 600-608	0	0	0	0	0	0	0	1	1	3	2	7	7									
- Disorders of the Breast 610-611	0	3	1	0	0	4	0	0	0	0	0	4	4									
- Other Diseases of Females 617-629	0	9	11	2	0	22	0	0	0	0	0	22	22									
- PREGNANCY & CHILDBIRTH 630-677	10	14	0	0	0	24	0	0	0	0	0	24	24									
- Ectopic & Molar Pregnancy 630-633	1	0	0	0	0	1	0	0	0	0	0	1	1									
- Other Pregnancy with Abortive Outcome 634-639	0	1	0	0	0	1	0	0	0	0	0	1	1									

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

(CONTINUED)

ROCKY FLATS 1995

Appendix F. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category ICD-9-CM Code	Gender											
	Women						Men					
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group	
	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total
- Complications of Pregnancy	2	2	0	0	0	4	0	0	0	0	0	4
- Normal Delivery and Care	7	11	0	0	0	18	0	0	0	0	0	18
SKIN & SUBCUTANEOUS TISSUE	0	1	3	0	0	4	1	3	5	5	2	16
- Infections	0	0	1	0	0	1	0	1	0	5	0	6
- Other Inflammatory Conditions	0	0	2	0	0	2	0	0	2	0	0	4
- Other Diseases	0	1	0	0	0	1	1	2	3	0	2	8
MUSCULOSKELETAL SYSTEM	1	25	27	18	3	74	1	32	35	21	6	95
- Arthropathies	1	8	7	3	0	19	1	7	14	11	1	34
- Dorsopathies	0	8	10	6	3	27	0	19	16	7	5	47
- Rheumatism, Excluding Back	0	9	9	6	0	24	0	6	4	2	0	12
- Acquired Deformities	0	0	1	3	0	4	0	0	1	1	0	2
CONGENITAL ANOMALIES	0	1	0	0	0	1	0	0	0	0	0	1
SYMPTOMS, SIGNS, & ILL-DEFINED COND.	2	11	15	4	2	34	0	7	16	7	1	31

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

(CONTINUED)

ROCKY FLATS 1995

Appendix F. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	Gender												
	Women						Men						
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group		
	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	
- Symptoms	2	10	14	3	2	31	0	7	14	5	1	27	58
- Non-Specific Abnormal Findings	0	0	0	1	0	1	0	0	2	2	0	4	5
- Ill-Defined and Unknown Causes	0	1	1	0	0	2	0	0	0	0	0	0	2
- INJURY AND POISONING	0	37	35	21	2	95	3	48	52	37	10	150	245
- Skull Fractures	0	0	0	0	0	0	0	1	0	0	0	1	1
- Neck and Trunk Fractures	0	0	1	1	0	2	0	2	3	1	1	7	9
- Upper Limb Fractures	0	3	1	1	0	5	0	2	3	2	0	7	12
- Lower Limb Fractures	0	3	3	4	0	10	0	2	4	5	0	11	21
- Dislocations	0	2	0	0	0	2	1	7	6	3	1	18	20
- Back Sprains & Strains	0	6	9	4	2	21	0	6	8	5	7	26	47
- Other Sprains & Strains	0	6	5	4	0	15	1	5	9	5	0	20	35
- Intracranial Injuries	0	2	0	0	0	2	0	0	0	2	0	2	4
- Internal Injuries	0	0	0	0	0	0	0	0	3	2	1	6	6
- Thorax, Abdomen, Pelvis	0	0	0	0	0	0	0	0	3	2	1	6	6
- Open Wounds Head, Neck, Trunk	0	2	0	1	0	3	0	1	0	3	0	4	7

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

(CONTINUED)

ROCKY FLATS 1995

Appendix F. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	Gender												
	Women						Men						
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group		
	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	
- Open Wounds Upper Limb, 880-887	0	0	0	1	0	1	0	0	1	0	0	1	2
- Open Wounds Lower Limb, 890-897	0	0	0	2	0	2	0	0	0	0	0	0	2
- Late Effects, 905-909	0	4	0	0	0	4	0	0	1	1	0	2	6
- Contusions, 920-924	0	0	3	0	0	3	0	4	2	1	0	7	10
- Crushing Injury, 925-929	0	0	0	0	0	0	0	1	0	0	0	1	1
- Burns, 940-949	0	0	0	0	0	0	0	0	0	2	0	2	2
- Injuries to Nerves & Spinal Cord, 950-957	0	2	0	0	0	2	0	0	0	0	0	0	2
- Unspecified Injuries, 958-959	0	4	6	0	0	10	1	12	12	5	0	30	40
- Unspecified Effects, 990-995	0	1	3	0	0	4	0	2	0	0	0	2	6
- Complications of Surgical/Medical Care, 996-999	0	2	4	3	0	9	0	3	0	0	0	3	12
HEALTH STATUS/HEALTH SERVICE CONTACT, V01-V82	0	2	2	2	0	6	0	2	1	2	0	5	11
- Health Services, V20-V29	0	1	0	0	0	1	0	2	1	0	0	3	4
- Health Status, V40-V49	0	0	0	0	0	0	0	0	0	1	0	1	1
- Specific Procedure/Aftercare, V50-V59	0	1	2	2	0	5	0	0	0	1	0	1	6

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

(CONTINUED)

ROCKY FLATS 1995

Appendix F. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	Gender												
	Women						Men						
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group		
Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	
	39	265	238	121	16	679	30	220	318	186	47	801	1480

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

ROCKY FLATS 1995

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

Diagnostic Category	Gender											
	Women						Men					
	Age Group						Age Group					
	16 -	30 -	40 -	50 -	60 +	Total	16 -	30 -	40 -	50 -	60 +	Total
Infectious & Parasitic Diseases	52,	390,	133,	111,	17,	703,	20,	258,	214,	92,	31,	615,
Malignant Neoplasms	0,	0,	143,	0,	0,	143,	0,	23,	148,	93,	48,	312,
Benign & Other Neoplasms	0,	116,	104,	89,	8,	317,	0,	14,	0,	0,	9,	23,
Endocrine & Metabolic Diseases	0,	10,	46,	0,	19,	75,	0,	30,	9,	39,	0,	78,
Blood & Blood-Forming Organs	0,	0,	0,	0,	0,	0,	0,	0,	9,	0,	0,	9,
Mental Disorders	35,	297,	80,	9,	0,	421,	28,	277,	429,	8,	8,	750,
Nervous System & Sense Organs	17,	408,	156,	178,	0,	759,	0,	48,	357,	96,	0,	501,
Circulatory System	0,	96,	91,	9,	0,	196,	0,	60,	153,	561,	54,	828,
Respiratory System	160,	727,	735,	536,	42,	2200,	89,	435,	1152,	502,	162,	2340,
Digestive System	0,	147,	253,	180,	0,	580,	24,	278,	310,	226,	63,	901,
Genitourinary System	13,	249,	513,	94,	0,	869,	22,	100,	222,	64,	57,	465,
Pregnancy & Childbirth	689,	1287,	0,	0,	0,	1976,	0,	0,	0,	0,	0,	0,
Skin & Subcutaneous Tissue	0,	39,	24,	0,	0,	63,	11,	53,	97,	118,	17,	296,
Musculoskeletal System	13,	870,	586,	411,	39,	1919,	69,	645,	1329,	647,	108,	2798,
Congenital Anomalies	0,	138,	0,	0,	0,	138,	0,	0,	0,	0,	0,	0,
Symptoms, Signs, & Ill-Defined Cond.	25,	143,	200,	42,	18,	428,	0,	121,	331,	84,	12,	548,

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

(CONTINUED)

ROCKY FLATS 1995

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

Diagnostic Category	Gender											
	Women						Men					
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group	
	16 -	30 -	40 -	50 -	60 +	Total	16 -	30 -	40 -	50 -	60 +	Total
Injury and Poisoning	0,	499,	1043,	677,	40,	2259,	66,	724,	1469,	810,	150,	3219,
Health Status/Health Service Contact	0,	26,	37,	50,	0,	113,	0,	23,	11,	232,	0,	266,

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



ROCKY FLATS 1995

Appendix H. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category	ICD-9-CM Code	Gender																		
		Women								Men										
		Occupational Group								Occupational Group										
		Cra-	fts	Adm-	ini-Pro-	Man-	Oth-	er/-	ati-sio-hni-Ser-ur-Lab-Nuc-Unk-Tot-	Cra-	fts	Adm-	ini-Pro-	Man-	Oth-	er/-	ati-sio-hni-Ser-ur-Lab-Nuc-Unk-Tot-			
INFECTIONIOUS & PARASITIC DISEASES	001-139	40	4	12	0	0	0	2	0	58	13	15	10	2	0	4	5	1	50	108
- Intestinal Infections	001-009	10	2	1	0	0	0	0	0	13	3	3	1	1	0	1	1	0	10	23
- Other Bacterial Diseases	030-041	12	1	1	0	0	0	0	0	14	3	6	0	0	0	0	0	1	10	24
- Viral Diseases with Exanthem	050-057	2	0	1	0	0	0	0	0	3	1	0	2	1	0	0	1	0	5	8
- Arthropod-Borne Viral Diseases	060-066	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
- Other Viral Diseases & Chlamydiae	070-079	15	1	7	0	0	0	2	0	25	6	5	7	0	0	3	3	0	24	49
- Mycoses	110-118	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
- Other Infections and Parasites	130-136	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
MALIGNANT NEOPLASMS	140-208, 230-234	0	2	1	0	0	0	0	0	3	2	3	3	0	0	1	0	0	9	12

(CONTINUED)



ROCKY FLATS 1995

Appendix H. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category ICD-9-CM Code	Gender																		
	Women									Men									
	Occupational Group									Occupational Group									
	Cra-	fts	and	Adm-	ini-Pro-	Man-	Oth-	str-fes-Tec-	Sec-ual	Cra-	fts	and	Adm-	ini-Pro-	Man-	Oth-	str-fes-Tec-	Sec-ual	
BLOOD & BLOOD-FORMING ORGANS	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	
MENTAL DISORDERS	12	0	4	0	0	0	5	0	21	7	3	8	0	0	5	8	0	31	52
- Psychotic Conditions	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	1	0	4	4
- Non-Psychotic Conditions	12	0	4	0	0	0	5	0	21	3	3	7	0	0	5	5	0	23	44
- Alcohol Dependence	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	4	4
NERVOUS SYSTEM & SENSE ORGANS	25	2	5	1	0	0	4	0	37	11	5	6	2	0	4	1	0	29	66
- Hereditary/Degenerative Diseases	1	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
- Other Disorders of CNS	1	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	2	4
- Disorders of Peripheral NS	4	1	1	1	0	0	1	0	8	2	1	0	1	0	2	0	0	6	14
- Disorders of Eye	8	0	0	0	0	0	0	0	8	4	1	2	1	0	2	0	0	10	18

(CONTINUED)

ROCKY FLATS 1995

Appendix H. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category ICD-9-CM Code	Gender																		
	Women									Men									
	Occupational Group									Occupational Group									
	Cra-	fts	Adm-	ini-Pro-	Man-	Oth-	str-fes-Tec-	Sec-ual	er/-	Cra-	fts	Adm-	ini-Pro-	Man-	Oth-	str-fes-Tec-	Sec-ual	er/-	
-Diseases of Ear & Mastoid, 380-389	11	0	3	0	0	0	3	0	17	4	3	3	0	0	0	1	0	11	28
-CIRCULATORY SYSTEM, 390-459	6	0	2	0	0	0	1	0	9	9	8	9	1	0	5	2	1	35	44
-Hypertensive Disease, 401-405	1	0	1	0	0	0	0	0	2	1	0	1	0	0	1	0	0	3	5
-Ischemic Heart Disease, 410-414	0	0	0	0	0	0	0	0	0	4	1	4	1	0	3	1	1	15	15
-Diseases of Pulmonary Circulation, 415-417	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
-Other Heart Disease, 420-429	1	0	1	0	0	0	0	0	2	0	1	1	0	0	0	1	0	3	5
-Cerebrovascular Disease, 430-438	1	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	2	3
-Diseases of Arteries & Capillaries, 440-448	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	0	0	4	4
-Diseases of Veins, Lymphatics, Other, 451-459	3	0	0	0	0	0	1	0	4	2	3	2	0	0	0	0	0	7	11
-RESPIRATORY SYSTEM, 460-519	162	10	35	5	0	1	16	1	230	82	42	60	12	0	33	21	0	250	480
-Acute Respiratory Infections, 460-466	29	3	6	1	0	1	3	1	44	15	8	14	3	0	9	5	0	54	98

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

(CONTINUED)

ROCKY FLATS 1995

Appendix H. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category ICD-9-CM Code	Gender																		
	Women								Men										
	Occupational Group				Occupational Group				Occupational Group				Occupational Group						
	Cra-	fts	Adm-	ini-Pro-	Man-	Oth-	str-fes-Tec-	Sec-ual	er/-	Cra-	fts	Adm-	ini-Pro-	Man-	Oth-	str-fes-Tec-	Sec-ual	er/-	Tot-
- Other Diseases Upper Respiratory Tract 470-478	41	4	11	2	0	0	4	0	62	23	12	8	4	0	5	4	0	56	118
- Pneumonia and Influenza 480-487	48	3	7	1	0	0	2	0	61	26	13	19	4	0	9	6	0	77	138
- Chronic Obstructive Diseases 490-496	39	0	11	1	0	0	6	0	57	12	7	16	1	0	8	4	0	48	105
- Lung Disease from External Agents 500-508	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
- Other Respiratory Diseases 510-519	5	0	0	0	0	0	1	0	6	5	2	3	0	0	2	2	0	14	20
DIGESTIVE SYSTEM 520-579	16	2	8	0	0	0	4	0	30	17	5	16	6	0	15	5	1	65	95
- Oral Cavity, Saliv. Glands, Jaw 520-529	0	0	1	0	0	0	1	0	2	0	0	4	0	0	1	2	0	7	9
- Esophagus, Stomach, Duodenum 530-537	2	0	3	0	0	0	0	0	5	1	2	3	1	0	4	2	0	13	18
- Appendicitis 540-543	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1	0	0	4	4
- Hernias 550-553	2	1	1	0	0	0	1	0	5	4	2	3	2	0	6	1	1	19	24

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

(CONTINUED)

ROCKY FLATS 1995

Appendix H. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category	ICD-9-CM Code	Gender																
		Women								Men								
Occupational Group	Occupational Group	Occupational Group								Occupational Group								
		Crafts	Administrative	Professional	Service	Unskilled	Total	Crafts	Administrative	Professional	Service	Unskilled	Total					
- Enteritis, Colitis	555-558	4	0	1	0	0	0	0	5	5	1	2	1	0	0	0	9	14
- Other Intestinal Diseases	560-569	4	0	1	0	0	0	0	5	3	0	2	2	0	0	0	7	12
- Other Digestive Diseases	570-579	4	1	1	0	0	0	2	8	2	0	1	0	0	3	0	6	14
GENITOURINARY SYSTEM	580-629	24	2	4	0	1	0	4	35	11	3	5	1	0	5	1	27	62
- Nephritis, Nephrosis	580-589	1	1	0	0	0	0	0	2	1	0	1	1	0	2	0	5	7
- Other Urinary Diseases	590-599	5	1	0	0	0	0	1	7	7	2	4	0	0	1	0	15	22
- Male Genital Organs	600-608	0	0	0	0	0	0	0	0	3	1	0	0	0	2	1	0	7
- Disorders of the Breast	610-611	2	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	4
- Other Diseases of Females	617-629	16	0	4	0	1	0	1	22	0	0	0	0	0	0	0	0	22
PREGNANCY & CHILDBIRTH	630-677	16	2	4	1	0	0	1	24	0	0	0	0	0	0	0	0	24
- Ectopic & Molar Pregnancy	630-633	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1

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

(CONTINUED)



ROCKY FLATS 1995

Appendix H. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category	Women		Men		Total
	Number	%	Number	%	
- Rheumatism, Excluding 725-729	9	4	6	1	0
- Back	9	4	6	1	0
- Acquired Deformities 730-739	1	2	1	0	0
- CONGENITAL ANOMALIES 740-759	0	0	1	0	0
- SYMPTOMS, SIGNS, & ILL-DEFINED COND. 780-799	23	3	5	1	0
- Symptoms 780-789	20	3	5	1	0
- Non-Specific Abnormal Findings 790-796	1	0	0	0	0
- Ill-Defined and Unknown, Causes 797-799	2	0	0	0	0
- INJURY AND POISONING 800-999	45	4	24	7	0
- Skull Fractures 800-804	0	0	0	0	0
- Neck and Trunk Fractures 805-809	1	0	0	1	0
- Upper Limb Fractures 810-819	5	0	0	0	0

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

(CONTINUED)



ROCKY FLATS 1995

Appendix H. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category	ICD-9-CM Code	Gender																		
		Women								Men										
Occupational Group	Occupational Group	Occupational Group								Occupational Group										
		Crafts	Admin	Professional	Service	Unskilled	Other	Unk	Tot	Crafts	Admin	Professional	Service	Unskilled	Other	Unk	Tot			
- Lower Limb Fractures	820-829	5	0	3	1	0	0	1	0	10	3	1	4	0	0	0	2	1	11	21
- Dislocations	830-839	0	1	1	0	0	0	0	0	2	7	1	1	4	0	3	2	0	18	20
- Back Sprains & Strains	846-847	13	0	2	2	0	0	4	0	21	8	0	5	2	0	1	10	0	26	47
- Other Sprains & Strains	840-845, 848	8	1	3	1	0	0	2	0	15	3	1	5	4	0	4	3	0	20	35
- Intracranial Injuries	850-854	0	0	1	1	0	0	0	0	2	0	0	0	0	0	2	0	2	0	4
- Internal Injuries	860-869																			
Thorax, Abdomen, Pelvis		0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	3	0	6	6
- Open Wounds Head, Neck	870-879																			
Trunk		1	0	2	0	0	0	0	0	3	0	0	1	0	0	1	2	0	4	7
- Open Wounds Upper Limb	880-887	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	2
- Open Wounds Lower Limb	890-897	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
- Late Effects	905-909	1	1	2	0	0	0	0	0	4	0	1	0	0	0	1	0	2	6	6
- Contusions	920-924	2	0	0	0	0	0	1	0	3	1	0	2	2	1	0	1	0	7	10
- Crushing Injury	925-929	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1

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

(CONTINUED)

ROCKY FLATS 1995

Appendix H. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category	Gender		Occupational Group																			
	Women	Men	Women								Men											
ICD-9-CM Code			Crafts	Adm. and	Man. and	Other	Professional	Technical	Service	Unk.	Tot.	Crafts	Adm. and	Man. and	Other	Professional	Technical	Service	Unk.	Tot.		
- Burns <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> <td>2</td> <td>2</td>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
- Injuries to Nerves & Spinal Cord <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td>	1	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	2
- Unspecified Injuries <td>2</td> <td>1</td> <td>5</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>10</td> <td>7</td> <td>6</td> <td>2</td> <td>3</td> <td>2</td> <td>5</td> <td>3</td> <td>2</td> <td>30</td> <td>40</td> <td></td> <td></td> <td></td>	2	1	5	1	0	1	0	0	10	7	6	2	3	2	5	3	2	30	40			
- Unspecified Effects <td>2</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>4</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>2</td> <td>6</td> <td></td> <td></td>	2	0	1	0	0	0	1	0	4	0	0	1	0	0	0	0	1	0	2	6		
- Complications of Surgical/Medical Care <td>4</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>4</td> <td>0</td> <td>9</td> <td>0</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>3</td> <td>12</td> <td></td> <td></td>	4	0	1	0	0	0	4	0	9	0	2	0	0	0	0	1	0	3	12			
HEALTH STATUS/HEALTH <td>5</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>6</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>2</td> <td>1</td> <td>0</td> <td>5</td> <td>11</td> <td></td> <td></td>	5	0	1	0	0	0	0	0	6	1	0	1	0	0	2	1	0	5	11			
- Health Services <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>3</td> <td>4</td> <td></td> <td></td>	1	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	3	4			
- Health Status <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>1</td> <td>1</td> <td></td> <td></td>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1			
- Specific Procedure/Aftercare <td>4</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>5</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> <td>6</td> <td></td>	4	0	1	0	0	0	0	0	5	0	0	0	0	0	0	0	1	0	1	6		
Total	416	41	136	18	1	2	63	2	679	222	119	178	48	6	111	110	7	801	1480			

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

ROCKY FLATS 1995

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

Diagnostic Category	Gender																	
	Women							Men										
	Occupational Group							Occupational Group										
	Cra-	fts	and	Man-	Pro-	Sec-	ual	Cra-	fts	and	Man-	Pro-	Sec-	ual				
Infectious & Parasitic Diseases	532	30	121	0	0	0	20	0	703	139	192	118	23	0	64	63	16	615
Malignant Neoplasms	0	45	98	0	0	0	0	0	143	22	91	181	0	0	18	0	0	312
Benign & Other Neoplasms	204	0	55	45	0	0	13	0	317	14	0	9	0	0	0	0	0	23
Endocrine & Metabolic Diseases	29	12	15	19	0	0	0	0	75	47	0	22	0	0	0	9	0	78
Blood & Blood-Forming Organs	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	9
Mental Disorders	272	0	86	0	0	0	63	0	421	183	31	251	0	0	176	109	0	750
Nervous System & Sense Organs	451	50	75	54	0	0	129	0	759	231	61	80	47	0	48	34	0	501
Circulatory System	151	0	23	0	0	0	22	0	196	166	235	207	12	0	110	37	61	828
Respiratory System	1477	78	261	48	0	8	317	11	2200	762	403	553	88	0	286	248	0	2340
Digestive System	308	70	81	0	0	0	121	0	580	222	58	224	81	0	215	86	15	901
Genitourinary System	596	50	136	0	16	0	71	0	869	73	68	174	22	0	103	9	16	465
Pregnancy & Childbirth	1195	89	345	243	0	0	104	0	1976	0	0	0	0	0	0	0	0	0
Skin & Subcutaneous Tissue	10	0	53	0	0	0	0	0	63	46	10	52	11	0	9	168	0	296
Musculoskeletal System	764	106	786	15	0	0	248	0	1919	639	402	426	230	36	746	319	0	2798

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

(CONTINUED)

ROCKY FLATS 1995

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

Diagnostic Category	Gender																	
	Women								Men									
Occupational Group	Cra-		fts		Adm-		ini - , Pro-		Man-		Oth-		ini - , Pro-		Man-		Oth-	
Occupational Group	, and		, er/-		, and		, er/-		, Sec- ual		, er/-		, Sec- ual		, er/-		, er/-	
Occupational Group	, Ser- , uri - , Lab- , Nuc- , Unk- , Tot-		, ati - , si o- , hni - , Ser- , uri - , Lab- , Nuc- , Unk- , Tot-		, ve , nal , cal , vice , ty , or , lear , nown , al		, ve , nal , cal , vice , ty , or , lear , nown , al		, ve , nal , cal , vice , ty , or , lear , nown , al		, ve , nal , cal , vice , ty , or , lear , nown , al		, ve , nal , cal , vice , ty , or , lear , nown , al		, ve , nal , cal , vice , ty , or , lear , nown , al		, ve , nal , cal , vice , ty , or , lear , nown , al	
Congenital Anomalies	0	0	138	0	0	0	0	0	138	0	0	0	0	0	0	0	0	0
Symptoms, Signs, & Ill-Defined Cond.	310	30	49	8	0	0	31	0	428	178	21	134	0	0	45	170	0	548
Injury and Poisoning	1195	54	312	146	0	227	303	22	2259	644	220	598	434	49	462	793	19	3219
Health Status/Health Service Contact	81	0	32	0	0	0	0	0	113	11	0	11	0	0	20	224	0	266

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

ROCKY FLATS 1995

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

Diagnostic Category	Administrative 2,881 Person Years				Professional 1,208 Person Years			
	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	362	0.8	0.7	1.0	112	0.8	0.7	1.0
Infectious & Parasitic Diseases	47	0.9	0.6	1.4	16	1.1	0.6	1.9
Malignant Neoplasms	2	0.3	0.1	1.2	5	3.4	1.1	10.2
Benign & Other Neoplasms	10	1.3	0.4	4.0	0			
Endocrine & Metabolic Diseases	5	1.0	0.3	2.9	1	0.7	0.1	4.7
Mental Disorders	13	0.6	0.3	1.3	2	0.3	0.1	1.3
Nervous System & Sense Organs	31	1.0	0.6	1.7	6	0.6	0.3	1.5
Circulatory System	13	0.7	0.4	1.5	7	1.1	0.5	2.6
Respiratory System	162	1.0	0.8	1.3	40	0.8	0.5	1.1
Digestive System	26	0.6	0.3	0.9	7	0.5	0.2	1.0
Genitourinary System	26	1.0	0.6	1.8	5	0.7	0.3	1.6
Skin & Subcutaneous Tissue	3	0.3	0.1	1.2	1	0.3	0.04	2.2
Musculoskeletal System	41	0.5	0.3	0.7	20	1.0	0.6	1.6
Symptoms, Signs, & Ill-Defined Conditions	29	1.0	0.6	1.7	5	0.6	0.2	1.4
Injury & Poisoning	63	0.7	0.5	1.0	14	0.5	0.3	0.8
Injury & Poisoning: Upper Limb Fractures	6	1.2	0.3	4.9	3	1.8	0.4	7.0
Injury & Poisoning: Lower Limb Fractures	8	0.7	0.3	1.9	1	0.3	0.04	2.4
Injury & Poisoning: Dislocations	7	1.0	0.4	2.5	2	0.5	0.1	2.0
Injury & Poisoning: Back Sprains & Strains	15	0.6	0.3	1.3	0			
Injury & Poisoning: Other Sprains & Strains	11	0.5	0.2	1.1	2	0.3	0.1	1.4
Injury & Poisoning: Unspecified Injuries	8	0.5	0.2	1.0	5	0.9	0.3	2.3

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

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

\*\*\*CI= Confidence Limit.

(CONTINUED)

ROCKY FLATS 1995

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

Diagnostic Category	Technical 1,149 Person Years				Service 250 Person Years			
	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	174	1.4	1.1	1.6	40	1.4	1.0	1.9
Infectious & Parasitic Diseases	21	1.5	0.9	2.5	2	0.6	0.1	2.4
Malignant Neoplasms	4	2.2	0.7	7.3	0			
Benign & Other Neoplasms	3	1.5	0.4	5.7	1	2.1	0.3	15.6
Endocrine & Metabolic Diseases	2	1.3	0.3	6.3	1	2.9	0.4	23.3
Mental Disorders	9	1.9	0.9	4.1	0			
Nervous System & Sense Organs	11	1.2	0.6	2.3	3	1.6	0.5	5.4
Circulatory System	9	1.5	0.7	3.1	1	0.7	0.1	5.4
Respiratory System	66	1.4	1.0	1.8	9	0.8	0.4	1.6
Digestive System	20	1.6	1.0	2.7	6	2.2	0.9	5.0
Genitourinary System	8	1.0	0.5	2.2	1	0.6	0.1	4.4
Skin & Subcutaneous Tissue	5	2.1	0.7	6.0	1	1.7	0.2	12.2
Musculoskeletal System	34	1.8	1.2	2.6	7	1.6	0.7	3.4
Symptoms, Signs, & Ill-Defined Conditions	12	1.4	0.8	2.8	1	0.5	0.1	3.9
Injury & Poisoning	27	1.0	0.6	1.5	14	2.6	1.5	4.4
Injury & Poisoning: Upper Limb Fractures	1	0.5	0.1	3.6	0			
Injury & Poisoning: Lower Limb Fractures	5	1.9	0.7	5.1	1	1.5	0.2	11.4
Injury & Poisoning: Dislocations	2	0.5	0.1	2.3	3	4.8	1.4	16.9
Injury & Poisoning: Back Sprains & Strains	7	1.1	0.5	2.5	3	2.3	0.7	7.4
Injury & Poisoning: Other Sprains & Strains	8	1.7	0.8	3.7	4	3.9	1.4	11.3
Injury & Poisoning: Unspecified Injuries	5	0.9	0.4	2.3	4	3.9	1.4	11.1

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

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

\*\*\*CI= Confidence Limit.

(CONTINUED)

ROCKY FLATS 1995

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

Diagnostic Category	Security 218 Person Years				Crafts and Manual Labor 457 Person years			
	Persons with 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***	Persons With 1+ Event*	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	4	0.2	0.1	0.5	62	1.4	1.1	1.8
Infectious & Parasitic Diseases	0				4	1.0	0.4	2.7
Malignant Neoplasms	0				1	1.0	0.1	8.2
Benign & Other Neoplasms	0				0			
Endocrine & Metabolic Diseases	0				0			
Mental Disorders	0				2	1.3	0.3	5.9
Nervous System & Sense Organs	0				4	1.5	0.5	4.3
Circulatory System	0				4	1.4	0.5	4.1
Respiratory System	0				17	1.0	0.6	1.7
Digestive System	0				14	3.4	1.9	6.2
Genitourinary System	1	0.9	0.1	6.1	3	1.7	0.5	5.7
Skin & Subcutaneous Tissue	0				1	0.8	0.1	6.2
Musculoskeletal System	1	0.3	0.04	2.2	11	1.6	0.8	3.0
Symptoms, Signs, & Ill-Defined Conditions	0				4	1.7	0.6	4.9
Injury & Poisoning	2	0.5	0.1	1.9	14	1.5	0.9	2.7
Injury & Poisoning: Upper Limb Fractures	0				1	1.5	0.2	12.7
Injury & Poisoning: Lower Limb Fractures	0				0			
Injury & Poisoning: Dislocations	0				3	2.2	0.6	8.1
Injury & Poisoning: Back Sprains & Strains	0				1	0.4	0.1	3.1
Injury & Poisoning: Other Sprains & Strains	0				4	2.6	0.8	7.9
Injury & Poisoning: Unspecified Injuries	2	1.9	0.4	7.8	4	2.2	0.8	6.4

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

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

\*\*\*CI= Confidence Limit.

(CONTINUED)

ROCKY FLATS 1995

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

Diagnostic Category	Nuclear 428 Person Years				Other/Unknown 252 Person Years				Total Persons with 1+ Event
	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	81	1.8	1.4	2.2	6	0.2	0.1	0.5	841
Infectious & Parasitic Diseases	6	1.1	0.5	2.6	1	0.3	0.04	2.0	97
Malignant Neoplasms	0				0				12
Benign & Other Neoplasms	1	1.6	0.2	11.9	0				15
Endocrine & Metabolic Diseases	1	1.9	0.2	15.5	0				10
Mental Disorders	9	5.9	2.8	12.5	0				35
Nervous System & Sense Organs	5	1.6	0.6	4.0	0				60
Circulatory System	2	0.9	0.2	3.6	1	0.9	0.1	6.3	37
Respiratory System	29	1.7	1.1	2.4	1	0.1	0.01	0.6	324
Digestive System	7	1.5	0.7	3.2	1	0.3	0.05	2.4	81
Genitourinary System	5	2.1	0.8	5.2	1	0.6	0.1	4.3	50
Skin & Subcutaneous Tissue	5	6.8	2.4	19.6	0				16
Musculoskeletal System	18	2.7	1.6	4.4	0				132
Symptoms, Signs, & Ill-Defined Conditions	6	2.1	0.9	4.9	0				57
Injury & Poisoning	28	3.5	2.3	5.2	3	0.5	0.2	1.7	165
Injury & Poisoning: Upper Limb Fractures	1	1.5	0.2	12.4	0				12
Injury & Poisoning: Lower Limb Fractures	3	3.2	0.9	11.4	1	1.8	0.2	14.1	19
Injury & Poisoning: Dislocations	2	1.7	0.4	7.5	0				19
Injury & Poisoning: Back Sprains & Strains	13	9.9	5.0	19.9	0				39
Injury & Poisoning: Other Sprains & Strains	4	2.3	0.8	6.7	0				33
Injury & Poisoning: Unspecified Injuries	3	1.5	0.5	5.1	1	0.8	0.1	5.9	32

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

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

\*\*\*CI= Confidence Limit.



ROCKY FLATS 1995

**Appendix K.** Occupational Sentinel Health Events (SHEO)

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

Health Conditions - 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
354M	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 1995

**Appendix K.** Occupational Sentinel Health Events (SHEO)

Health Conditions - 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 1995

**Appendix K.** Occupational Sentinel Health Events (SHEO)

Health Conditions - 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	Acute lymphoid leukemia	Production
205.0	Acute myeloid leukemia	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 1995

OSHA DATA

Appendix L. Number of Workers With at Least One OSHA Event by Gender, Age, and Occupation\*

	Gender										Total	Total
	Women					Men						
	Age Group											
	16 - 29	30 - 39	40 - 49	50 - 59	Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	
Occupational Group												%
Administrative	2	7	15	6	30	0	9	7	1	0	17	47
Professional	2	0	0	0	2	0	2	5	1	0	8	10
Technical	0	2	7	4	13	1	15	11	5	1	33	46
Service	1	4	1	1	7	6	5	3	2	0	16	23
Security	0	0	0	0	0	2	4	0	0	0	6	6
Crafts and Manual Labor	0	0	1	0	1	0	4	10	15	4	33	34
Nuclear	2	1	5	2	10	1	2	9	4	0	16	26
Other/Unknown	0	0	0	0	0	1	0	0	1	0	2	2
Total	7	14	29	13	63	11	41	45	29	5	131	194

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

ROCKY FLATS 1995

OSHA DATA

Appendix M Total Number of Workdays Lost or With Restricted Activity From OSHA Events by Gender and Age

Age Group	Women		Men		Total		# of , Restr-, Days ,	# of , Restr-, Days ,	# of , Restr-, Days ,
	Days ,	Events, icted , Lost ,	Days ,	Events, icted , Lost ,	Days ,	Events, icted , Lost ,			
, 16 - 29	7,	122,	0,	13,	56,	4,	20,	178,	4,
, 30 - 39	15,	163,	17,	42,	497,	34,	57,	660,	51,
, 40 - 49	29,	187,	33,	46,	352,	65,	75,	539,	98,
, 50 - 59	14,	77,	118,	31,	348,	103,	45,	425,	221,
, 60 +	0,	0,	0,	5,	82,	20,	5,	82,	20,
, Total	65,	549,	168,	137,	1335,	226,	202,	1884,	394,

ROCKY FLATS 1995

OSHA DATA

Appendix N. Total Number of Workdays Lost or With Restricted Activity From OSHA Events by Gender and Occupation

Occupational Group	Gender		Total	Days	# of Restr-	Days	# of Restr-	Days	# of Restr-	Days
	Women	Men								
Administrative	30	172	46	17	202	12	47	374	58	
Professional	2	120	0	9	10	9	11	130	9	
Technical	14	99	7	33	390	17	47	489	24	
Service	7	22	110	19	203	59	26	225	169	
Security	0	0	0	6	42	6	6	42	6	
Crafts and Manual Labor	1	9	0	35	426	99	36	435	99	
Nuclear	11	127	5	16	62	24	27	189	29	
Other/Unknown	0	0	0	2	0	0	2	0	0	
Total	65	549	168	137	1335	226	202	1884	394	

ROCKY FLATS 1995

OSHA DATA

Appendix 0. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	ICD-9-CM Code	Gender										Total	Total
		Women					Men						
		Age Group	Age Group	Age Group	Age Group	Age Group	Age Group	Age Group	Age Group	Age Group	Age Group		
		16 -	30 -	40 -	50 -	16 -	30 -	40 -	50 -	60 +			
		29	39	49	59	29	39	49	59	60 +	Total	Total	
		%											
NERVOUS SYSTEM & SENSE	320-389												
ORGANS		1	2	5	0	8	0	1	2	3	0	6	14
- Disorders of Peripheral	350-359												
NS		1	2	5	0	8	0	0	2	0	0	2	10
- Disorders of Eye	360-379	0	0	0	0	0	0	1	0	1	0	2	2
- Diseases of Ear &	380-389												
Mastoid		0	0	0	0	0	0	0	0	2	0	2	2
RESPIRATORY SYSTEM	460-519	0	0	0	0	0	0	0	3	0	0	3	3
- Lung Disease from	500-508												
External Agents		0	0	0	0	0	0	0	2	0	0	2	2
- Other Respiratory	510-519												
Diseases		0	0	0	0	0	0	0	1	0	0	1	1
SKIN & SUBCUTANEOUS	680-709												
TISSUE		0	1	3	0	4	1	2	3	3	0	9	13
- Other Inflammatory	690-698												
Conditions		0	1	3	0	4	1	2	3	3	0	9	13
MUSCULOSKELETAL SYSTEM	710-739	2	4	3	0	9	2	8	6	3	0	19	28
- Arthropathies	710-719	0	0	1	0	1	1	0	1	1	0	3	4

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

(CONTINUED)

ROCKY FLATS 1995

OSHA DATA

Appendix 0. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	ICD-9-CM Code	Gender										Total	Total	
		Women					Men							
		16 -	30 -	40 -	50 -	60 +	16 -	30 -	40 -	50 -	60 +			
- Dorsopathies	720-724	1	0	1	0	2	1	2	2	1	0	6	8	
- Rheumatism, Excluding Back	725-729	1	4	1	0	6	0	6	3	1	0	10	16	
- SYMPTOMS, SIGNS, & ILL-DEFINED COND.	780-799	0	0	0	1	1	1	3	3	1	0	8	9	
- Symptoms	780-789	0	0	0	1	1	1	3	3	1	0	8	9	
- INJURY AND POISONING	800-999	5	8	25	15	53	10	32	32	22	5	101	154	
- Upper Limb Fractures	810-819	0	0	0	0	0	0	0	0	1	0	1	1	
- Lower Limb Fractures	820-829	0	1	0	0	1	0	1	0	1	0	2	3	
- Dislocations	830-839	0	0	0	0	0	1	0	3	0	0	4	4	
- Back Sprains & Strains	846-847	0	0	2	3	5	2	1	9	4	1	17	22	
- Other Sprains & Strains	840-845, 848	0	1	8	0	9	0	5	3	4	1	13	22	
- Open Wound Head, Neck, Trunk	870-879	0	0	0	0	0	2	3	3	2	0	10	10	
- Open Wound Upper Limb	880-887	0	0	0	1	1	2	3	1	1	0	7	8	
- Open Wound Lower Limb	890-897	0	0	0	0	0	0	1	0	0	1	2	2	

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

(CONTINUED)



ROCKY FLATS 1995

OSHA DATA

Appendix 0. Number of Health Conditions in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	ICD-9-CM Code	Gender											
		Women					Men						
		Age Group		Age Group			Age Group		Age Group				
		16 - 29	30 - 39	40 - 49	50 - 59	Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	
- Superficial Injury	.910-919	2	1	0	0	3	0	0	1	0	0	1	4
- Contusion	.920-924	1	1	3	4	9	0	5	0	1	0	6	15
- Crushing Injury	.925-929	0	0	0	0	0	0	2	0	0	0	2	2
- Foreign Body Entering Orifice	.930-939	0	0	1	0	1	0	2	1	0	0	3	4
- Burns	.940-949	0	0	0	0	0	0	0	1	0	0	1	1
- Injury to Nerves & Spinal Cord	.950-957	0	0	0	0	0	0	1	0	0	0	1	1
- Unspecified Injuries	.958-959	1	4	7	5	17	2	7	8	7	2	26	43
- Toxic Effects	.980-989	1	0	0	0	1	1	1	1	0	0	3	4
- Unspecified Effects	.990-995	0	0	4	2	6	0	0	1	1	0	2	8
- External Causes		0	0	4	2	6	0	0	1	1	0	2	8
Total		8	15	36	16	75	14	46	49	32	5	146	221

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



ROCKY FLATS 1995

OSHA DATA

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

Diagnostic Category	ICD-9-CM Code	Gender																	
		Women					Men												
		Age Group		Age Group		Age Group		Age Group		Age Group									
		16 - 29	30 - 39	40 - 49	50 - 59	16 - 29	30 - 39	40 - 49	50 - 59	60 +									
-Other Sprains & Strains, 840-845, 848		0	0	0	0	97	11	0	0	0	0	199	3	66	56	177	0	23	0
-Open Wound Head, Neck, Trunk, 870-879		0	0	0	0	0	0	0	0	1	0	3	0	10	0	56	0	0	0
-Open Wound Upper Limb, 880-887		0	0	0	0	0	0	0	0	5	0	0	0	7	0	0	0	0	0
-Open Wound Lower Limb, 890-897		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
-Superficial Injury, 910-919		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Contusion, 920-924		120	0	9	0	5	1	0	1	0	0	21	0	0	0	0	0	0	0
-Crushing Injury, 925-929		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
-Unspecified Injuries, 958-959		2	0	30	6	51	0	50	6	28	1	101	0	116	0	33	0	41	0
-Toxic Effects, 980-989		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
-Unspecified Effects, 990-995		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-External Causes		0	0	0	0	0	15	0	5	0	0	0	0	0	0	0	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.

ROCKY FLATS 1995

OSHA DATA

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

Type of Accident	Gender											
	Women						Men					
	Age Group		Age Group		Age Group		Age Group		Age Group		Age Group	
	16 - 29	30 - 39	40 - 49	50 - 59	Total	16 - 29	30 - 39	40 - 49	50 - 59	60 +	Total	
Motor Vehicle Traffic, E810-E819	1	0	0	0	1	0	0	0	0	0	0	
Motor Vehicle Nontraffic, E820-E825	0	0	0	0	0	0	2	0	0	0	2	
Other Road Vehicle, E826-E829	0	0	0	0	0	0	0	1	0	0	1	
Accidental Poisoning by Other Substances, E860-E869	0	0	0	0	0	1	1	0	0	0	2	
Falls, E880-E888	1	0	2	1	4	2	1	4	6	0	13	
Fire, E890-E899	0	0	0	0	0	0	0	1	0	0	1	
Natural/Environmental Factors, E900-E909	2	1	4	2	9	0	0	2	1	0	3	
Submersion/Suffocation/Foreign Bodies, E910-E915	0	0	1	0	1	0	2	1	0	0	3	
Other Accidents, E916-E928	0	4	7	5	16	5	16	11	8	3	43	

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

ROCKY FLATS 1995

OSHA DATA

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

	Gender										
	Women					Men					
	Age Group		Age Group		Age Group		Age Group		Age Group		
	16 - 29	30 - 39	40 - 49	50 - 59	60 +	16 - 29	30 - 39	40 - 49	50 - 59	60 +	
	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	ed , Lost
	Rest-	Rest-	Rest-	Rest-	Rest-	Rest-	Rest-	Rest-	Rest-	Rest-	ed , Lost
	ri ct-	ri ct-	ri ct-	ri ct-	ri ct-	ri ct-	ri ct-	ri ct-	ri ct-	ri ct-	ed , Lost
Type of Accident	E Codes										
Motor Vehicle Traffic	E810-E819	120	0	0	0	0	0	0	0	0	0
Motor Vehicle Nontraffic	E820-E825	0	0	0	0	0	0	0	0	12	0
Accidental Poisoning by	E860-E869	0	0	0	0	0	0	1	0	0	0
Other Substances		0	0	0	0	0	0	0	0	0	0
Falls	E880-E888	2	0	0	9	0	17	0	10	0	57
Natural/Environmental	E900-E909	0	0	0	1	0	15	0	5	0	0
Factors		0	0	0	1	0	15	0	5	0	0
Other Accidents	E916-E928	0	0	30	6	104	6	33	12	41	1
		0	0	30	6	104	6	33	12	41	1

\* 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 1995

OSHA DATA

Appendix S. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category ICD-9-CM Code	Gender																	
	Women								Men									
	Occupational Group								Occupational Group									
	Crafts	Admi- nist- Prof-	Tech- Servi- al	Manu- Labor	Other/ Un-	Total	Crafts	Admi- nist- Prof-	Tech- Servi- al	Manu- Labor	Other/ Un-	Total	Crafts	Admi- nist- Prof-	Tech- Servi- al	Manu- Labor	Other/ Un-	Total
NERVOUS SYSTEM & SENSE .320-389	4	0	2	1	0	1	8	1	3	2	0	0	0	0	0	0	6	
- Disorders of Peripheral .350-359	4	0	2	1	0	1	8	1	1	0	0	0	0	0	0	0	2	
- Disorders of Eye .360-379	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	
- Diseases of Ear & .380-389	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	
Mastoid	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	
RESPIRATORY SYSTEM .460-519	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	
- Lung Disease from .500-508	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	
- External Agents	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	
- Other Respiratory .510-519	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
SKIN & SUBCUTANEOUS .680-709	2	0	1	0	0	1	4	0	1	5	0	0	3	0	0	0	9	
- Other Inflammatory .690-698	2	0	1	0	0	1	4	0	1	5	0	0	3	0	0	0	9	

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

(CONTINUED)

ROCKY FLATS 1995

OSHA DATA

Appendix S. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category	ICD-9-CM Code	Gender															
		Women								Men							
		Occupational Group								Occupational Group							
		Crafts	Admi- nistrative	Prof-	Manu-	Other	Un-	Total	Crafts	Admi- nistrative	Prof-	Manu-	Other	Un-	Total	%	
MUSCULOSKELETAL SYSTEM	710-739	3	0	1	3	0	2	9	3	1	8	3	1	2	0	1	19
- Arthropathies	710-719	0	0	1	0	0	0	1	0	0	1	2	0	0	0	0	3
- Dorsopathies	720-724	1	0	0	0	0	1	2	0	1	2	1	0	1	0	1	6
- Rheumatism, Excluding	725-729	2	0	0	3	0	1	6	3	0	5	0	1	1	0	0	10
SYMPTOMS, SIGNS, & ILL-DEFINED COND.	780-799	1	0	0	0	0	0	1	0	1	2	1	0	3	0	1	8
- Symptoms	780-789	1	0	0	0	0	0	1	0	1	2	1	0	3	0	1	8
INJURY AND POISONING	800-999	27	2	12	3	1	8	53	12	4	19	16	5	27	17	1	101
- Upper Limb Fractures	810-819	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
- Lower Limb Fractures	820-829	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0	2
- Dislocations	830-839	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	4
- Back Sprains & Strains	846-847	1	0	3	1	0	0	5	0	1	3	4	0	3	6	0	17

(CONTINUED)

ROCKY FLATS 1995

OSHA DATA

Appendix S. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category ICD-9-CM Code	Gender																		
	Women								Men										
	Occupational Group								Occupational Group										
	Crafts	Admi- nist- Prof-	Manu- Othe-	ve- onal	nical	ice	Labor	ear	Total	Crafts	Admi- nist- Prof-	Manu- Othe-	ve- onal	nical	ice	Labor	ear	known	Total
-Other Sprains & Strains, 840-845, 848	8	0	0	0	0	0	1	9	3	1	4	1	0	3	1	0	13		
-Open Wound Head, Neck, Trunk, 870-879	0	0	0	0	0	0	0	2	0	1	2	0	3	2	0	10			
-Open Wound Upper Limb, 880-887	0	0	1	0	0	0	1	2	0	0	1	1	3	0	0	7			
-Open Wound Lower Limb, 890-897	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2			
-Superficial Injury, 910-919	0	0	1	0	0	2	3	0	0	0	0	0	0	1	0	1			
-Contusion, 920-924	6	1	2	0	0	0	9	0	0	4	1	0	1	0	0	6			
-Crushing Injury, 925-929	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2			
-Foreign Body Entering Orifice, 930-939	1	0	0	0	0	0	1	0	0	0	1	1	1	0	0	3			
-Burns, 940-949	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1			
-Injury to Nerves & Spinal Cord, 950-957	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1			
-Unspecified Injuries, 958-959	7	0	5	1	1	3	17	4	0	5	4	1	9	2	1	26			

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

(CONTINUED)



ROCKY FLATS 1995

OSHA DATA

Appendix S. Number of Health Conditions in Each Diagnostic Category by Gender and Occupation\*

Diagnostic Category	Gender		Occupational Group																
	Women	Men	Crafts	Admi- ni st- Prof-	Manu-	rati- essi- Tech-	Serv- al	Nucl-	ve onal nical ice	Total	Crafts	Admi- ni st- Prof-	Manu-	Othe-	rati- essi- Tech-	Serv- Secu-	al Nucl- r/Un-	ve onal nical ice rity Labor ear known	Total
- Toxic Effects, 980-989	0	1	0	0	0	0	1	0	0	1	1	0	0	1	0	3			
- Unspecified Effects, 990-995	4	0	0	0	0	2	6	0	0	0	0	0	0	2	0	2			
Total	37	2	16	7	1	12	75	18	11	36	20	6	35	17	3	146			

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

ROCKY FLATS 1995

OSHA DATA

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

Diagnostic Category	Gender																				
	Women										Men										
	Occupational Group																				
ICD-9-CM Code	Administrative	Professional	Technical	Service	Manual Labor	Crafts and	Nuclear	Administrative	Professional	Technical	Service	Security	Manual Labor	Crafts and	Nuclear	Other/Unknown	Days Lost	Rest. Days	Days Lost	Rest. Days	
- Disorders of Peripheral NS 350-359	0	0	0	0	0	6	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other Inflammatory Conditions 690-698	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	6	4	0	0
- Arthropathies 710-719	0	0	0	0	9	0	0	0	0	0	0	0	0	0	13	0	25	0	0	0	0
- Dorsopathies 720-724	0	0	0	0	0	0	0	0	0	11	0	0	0	0	54	0	43	0	0	18	78
- Rheumatism, Excluding Back 725-729	11	0	0	0	0	10	0	0	0	91	0	50	12	0	0	84	6	0	0	16	6
- Symptoms of Upper Limb Fractures 780-789	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6	2	6	43	0	0	3
- Upper Limb Fractures 810-819	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33

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

(CONTINUED)

ROCKY FLATS 1995

OSHA DATA

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

Diagnostic Category	Gender																										
	Women								Men																		
	Occupational Group																										
ICD-9-CM Code	Administrative	Professional	Technical	Service	Manual Labor	Crafts and	Nuclear	Administrative	Professional	Technical	Service	Security	Manual Labor	Crafts and	Nuclear	Other/Unknown											
Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost											
- Lower Limb 820-829																											
Fractures	0	0	0	0	0	12	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	13	17	0	0		
- Dislocations 830-839	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
- Back Sprains & 846-847																											
Strains	7	1	0	0	30	0	0	100	0	0	0	0	0	0	9	1	9	2	0	0	13	20	12	2	0	0	
- Other Sprains & 840-845, 848																											
Strains	92	11	0	0	0	0	0	0	0	5	0	29	0	0	3	219	0	40	56	0	0	177	0	0	0	0	
- Open Wound 870-879																											
Head, Neck, Trunk	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	62	0	1	0	0	0
- Open Wound 880-887																											
Upper Limb	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	5	0	0	0	0	0	0
- Open Wound 890-897																											
Lower Limb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0

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

(CONTINUED)

ROCKY FLATS 1995

OSHA DATA

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

Diagnostic Category	Gender															
	Women								Men							
	Occupational Group															
ICD-9-CM Code	Administrative	Professional	Technical	Service	Manual Labor	Crafts and	Nuclear	Administrative	Professional	Technical	Service	Security	Manual Labor	Crafts and	Other/Unknown	
Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	
- Superficial Injuries, 910-919	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
- Contusion, 920-924	5	2	120	0	9	0	0	0	0	0	0	0	16	0	5	
- Crushing Injury, 925-929	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
- Unspecified Injuries, 958-959	53	12	0	0	51	0	0	9	0	20	0	109	0	0	39	
- Toxic Effects of Nonmedical Substances, 980-989	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
- Unspecified Effects External Causes, 990-995	0	15	0	0	0	0	0	0	0	0	0	5	0	0	0	

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

ROCKY FLATS 1995

OSHA DATA

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

	Gender																
	Women								Men								
	Occupational Group								Occupational Group								
	Crafts	Administrative and Professional	Manufacturing	Transportation	Construction	Maintenance	Other	Total	Crafts	Administrative and Professional	Manufacturing	Transportation	Construction	Maintenance	Other	Total	
Type of Accident	E Codes																
Motor Vehicle Traffic	E810-E819	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	
Motor Vehicle Nontraffic	E820-E825	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	
Other Road Vehicle	E826-E829	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
Accidental Poisoning by	E860-E869	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	
Other Substances	E880-E888	3	0	0	0	1	0	4	1	0	2	0	1	6	1	2	13
Fire	E890-E899	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Natural/Environmental	E900-E909	4	1	1	0	0	3	9	0	0	1	0	0	0	2	0	3
Submersion/Suffocation/-	E910-E915	1	0	0	0	0	0	1	0	0	0	1	1	1	0	0	3
Foreign Bodies	E916-E928	7	0	4	1	0	4	16	4	1	9	9	2	13	5	0	43

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

ROCKY FLATS 1995

OSHA DATA

Appendix V. Number of Workdays Lost or With Restricted Activity in Each Accident Category by Gender and Occupation

Type of Accident, E Codes	Gender															
	Women							Men								
	Occupational Group															
	Administrative	Professional	Technical	Service	Manual	Crafts and Labor	Nuclear	Administrative	Professional	Technical	Service	Security	Manual	Crafts and Labor	Nuclear	Other/Unknown
Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost	Days Lost
Motor Vehicle, E810-E819	0	0	120	0	0	0	0	0	0	0	0	0	0	0	0	0
Traffic	0	0	120	0	0	0	0	0	0	0	0	0	0	0	0	0
Motor Vehicle, E820-E825	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Nontraffic	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Accidental, E860-E869	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Poisoning by Other Substances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Falls, E880-E888	19	0	0	0	0	0	0	9	0	0	0	43	0	0	0	15
Natural/Environmental Factors, E900-E909	0	15	0	0	0	1	0	0	0	0	0	5	0	0	0	0
Other Accidents, E916-E928	124	24	0	0	12	0	0	0	0	31	0	73	0	0	6	304

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

## ROCKY FLATS 1995

## OSHA DATA

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

Diagnostic Category	Administrative 2,881 Person Years				Professional 1,208 Person Years				Technical 1,149 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	47	0.4	0.3	0.5	10	0.3	0.1	0.5	46	1.6	1.1	2.2
Nervous System & Sense Organs	5	0.6	0.2	1.8	2	1.1	0.2	5.4	4	2.4	0.7	8.1
Skin & Subcutaneous Tissue	2	0.2	0.03	1.1	1	0.4	0.1	3.1	6	4.2	1.4	12.4
Musculoskeletal System	6	0.4	0.1	0.9	1	0.2	0.02	1.3	8	2.3	1.0	5.3
Injury & Poisoning	32	0.3	0.2	0.5	6	0.2	0.1	0.5	27	1.2	0.8	1.9
Injury & Poisoning: Back Sprains & Strains	1	0.04	0.004	0.5	1	0.2	0.03	1.7	6	1.8	0.7	4.6
Injury & Poisoning: Other Sprains & Strains	9	1.0	0.4	2.9	1	0.3	0.03	2.0	4	1.2	0.4	3.7
Injury & Poisoning: Open Wound Head, Neck, Trunk	2	0.5	0.1	2.5	0				1	0.5	0.1	4.3
Injury & Poisoning: Contusions	4	0.3	0.1	1.4	1	0.5	0.1	3.7	6	5.2	1.7	16.3
Injury & Poisoning: Unspecified Injuries	10	0.4	0.2	0.7	0				9	1.4	0.7	3.0

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

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

\*\*\* CI= Confidence Limit.

(CONTINUED)

## ROCKY FLATS 1995

## OSHA DATA

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

Diagnostic Category	Service 250 Person Years				Security 218 Person Years				Crafts and Manual Labor 457 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	23	3.6	2.3	5.7	6	1.0	0.4	2.3	34	3.7	2.4	5.5
Nervous System & Sense Organs	1	2.5	0.3	19.0	0				0			
Skin & Subcutaneous Tissue	0				0				3	5.2	1.2	22.8
Musculoskeletal System	6	7.5	3.0	18.8	1	1.0	0.1	7.6	2	1.4	0.3	6.6
Injury & Poisoning	17	3.7	2.2	6.3	5	1.1	0.4	2.9	28	4.3	2.7	6.7
Injury & Poisoning: Back Sprains & Strains	5	8.6	3.0	24.7	0				3	2.0	0.6	7.3
Injury & Poisoning: Other Sprains & Strains	1	1.4	0.2	10.0	0				3	2.9	0.7	11.2
Injury & Poisoning: Open Wound Head, Neck, Trunk	2	5.8	1.2	28.9	0				3	5.8	1.3	26.3
Injury & Poisoning: Contusions	1	2.4	0.3	18.5	0				1	2.5	0.2	26.0
Injury & Poisoning: Unspecified Injuries	5	3.8	1.4	10.0	1	0.9	0.1	6.5	10	6.0	2.7	13.1

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

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

\*\*\* CI= Confidence Limit.

(CONTINUED)



ROCKY FLATS 1995

OSHA DATA

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

Diagnostic Category	Nuclear 428 Person Years				Other/Unknown 252 Person Years				Total Persons with 1+ Event
	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	26	2.3	1.5	3.5	2	0.3	0.1	1.1	194
Nervous System & Sense Organs	1	1.4	0.2	11.1	0				13
Skin & Subcutaneous Tissue	1	1.2	0.2	9.0	0				13
Musculoskeletal System	2	1.2	0.3	4.7	1	0.9	0.1	6.9	27
Injury & Poisoning	23	3.0	1.9	4.7	1	0.2	0.03	1.4	139
Injury & Poisoning: Back Sprains & Strains	6	5.8	2.2	15.2	0				22
Injury & Poisoning: Other Sprains & Strains	2	1.7	0.4	7.4	0				20
Injury & Poisoning: Open Wound Head, Neck, Trunk	2	3.2	0.7	15.2	0				10
Injury & Poisoning: Contusions	0				0				13
Injury & Poisoning: Unspecified Injuries	5	2.2	0.9	5.6	1	0.7	0.1	5.0	41

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

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

\*\*\* CI= Confidence Limit.