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# AGENT ORANGE REGISTRY DATA

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Agent Orange Projects Office  
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 Washington DC

TABLE 1  
 DISTRIBUTION OF AGENT ORANGE EXAMINATIONS  
 BY YEAR

Year of Exam	Number	Percentages
1978	463	0.5
1979	5,043	5.9
1980	27,628	32.2
1981	25,679	29.9
1982	22,852	26.6
1983	4,069	4.7
Unkown	169	0.2
<b>Total</b>	<b>85,903</b>	<b>100.0</b>

TABLE 2

COMPARISON OF DISTRIBUTION OF EXAMINEES BY BRANCH OF SERVICE WITH  
DISTRIBUTION IN DEPARTMENT OF DEFENSE DATA

Branch of Exposure	Number	Percentage In	
		AO Registry	DoD Data
Army	57,558	67.0	67.2
Marines	15,608	18.2	13.6
Air Force	6,660	7.8	12.7
Navy	5,197	6.0	6.3
Coast Guard	77	0.1	0.1
Other/Not Specified	803	0.9	-
<b>Total</b>	<b>85,903</b>	<b>100</b>	<b>100</b>

TABLE 3

## DISTRIBUTION OF TYPE OF EXPOSURE REPORTED BY EXAMINEES

Type of Exposure	Number	Percentages
During Actual Spraying	9,604	11.2
While handling Agent Orange	2,768	3.2
While passing through defoliated areas	50,632	58.9
Unsure of actual exposure	9,218	10.7
Other/Not specified	13,681	15.9
Total	85,903	100.0

TABLE 4  
SYMPTOMS REPORTED BY EXAMINEES

Symptoms	Number	Percentages
No symptoms	23,030	26.8
Skin rash	33,408	38.9
Nervousness	15,049	17.5
Headaches	12,069	14.0
Abdominal	10,428	12.1
Personality Disorder	8,789	10.2
Numbness	7,089	8.2
Muscle Ache, Tingle	6,977	8.1
Fatigue	5,107	5.9
Sexual Dysfunction	3,754	4.4
Weakness	3,755	4.4
Renal	3,090	3.6
Fever	2,622	3.0
Hair Loss	2,130	2.5

TABLE 5  
MOST FREQUENT DIAGNOSES

<u>Diagnoses</u>	<u>Number</u>	<u>Percentage</u>
No Diagnosis	36,538	42.5
Skin Disease	22,573	26.3
Mental Disorders	8,956	10.4
Dis. of the Musculo- Skeletal System	5,935	6.9
Dis. of Sensory Organs	3,614	4.2

TABLE 6

MOST FREQUENT COMPLAINTS BY BRANCH OF SERVICE  
(PERCENTAGES)

Complaint	Army	Marines	Air Force	Navy	Coast Guard	Unknown Other
Skin rash	39.1	39.5	37.7	36.4	37.7	36.7
Nervousness	17.8	18.7	14.2	14.5	16.9	17.6
Headaches	14.1	15.1	12.6	12.3	15.6	12.7
Abdominal complaints	12.0	13.3	11.6	10.9	20.8	8.3
Personality problems	10.0	12.2	8.8	8.9	14.3	7.6
Numbness	8.1	8.9	8.0	8.3	10.4	7.5
Muscle aching, tingling	8.1	8.2	8.7	7.9	15.6	5.1

TABLE 7  
 MOST FREQUENT DIAGNOSES BY BRANCH OF SERVICE  
 (PERCENTAGES)

Diagnosis	Army	Marines	Air Force	Navy	Coast Guard	Unknown Other
No diagnoses	42.5	42.7	41.8	43.1	35.5	46.7
Dis. of skin/ subcontaneous tissue	26.3	26.6	26.4	26.0	24.7	21.8
Mental disorder	10.6	11.8	7.7	8.3	13.0	7.6
Dis. of bones, joints, tendons	6.8	6.8	8.4	6.8	3.9	6.6
Dis. of sensory organs	4.2	4.3	4.2	4.0	2.6	3.0
Alcoholism	3.4	3.5	2.7	3.1	3.9	2.4

Table 8

Number and Percent Distribution of Malignant Neoplasm Cases  
Among 87,522 Veterans Recorded in the Agent Orange Registry  
and Comparison to a Reference Population

Primary Site (ICD)	Number of Cases	Percent Distribution	
		Registry	SEER*
Buccal Cavity and Pharynx (140-149)	48	7.9 <sup>a</sup>	4.5
Digestive System (150-159)	69	11.4	12.2
Respiratory System (160-169)	60	9.9	8.5
Bones and Joints (170)	9	1.5	1.1
Soft Tissue (171)	13	2.1	2.6
Skin (172)**	54	8.9	11.7
Breast (174, 175)	3	0.5	0.06
Male Genital System (185, 186, 187)	81	13.4	16.0
Urinary System (188, 189)	38	6.3	6.1
Eye (190)	4	0.7	0.5
Brain and Other Nervous System (191, 192)	29	4.8	6.0
Endocrine System (193, 194)	20	3.3	6.5
Lymphomas (200, 201, 202)	120	19.9 <sup>a</sup>	15.0
Multiple Myeloma (203)	7	1.2	0.4
Leukemia (204-208)	31	5.1	6.0
Others and ill-defined sites (195-199)	18	2.9	3.0
<b>TOTAL</b>	<b>604</b>	<b>100</b>	<b>100</b>

\* SEER (Surveillance Epidemiology End Results): Percent distribution of malignant neoplasm cases diagnosed in 1973-77 by primary site, aged 25-39, all races, males, and all areas excluding Puerto Rico.

\*\* Excluding basal and squamous carcinoma

<sup>a</sup> The 95% confidence limits for differences in proportions do not include zero