

Uploaded to VFC Website

~ October 2012 ~

This Document has been provided to you courtesy of Veterans-For-Change!

Feel free to pass to any veteran who might be able to use this information!

For thousands more files like this and hundreds of links to useful information, and hundreds of "Frequently Asked Questions, please go to:

Veterans-For-Change

Veterans-For-Change is a 501(c)(3) Non-Profit Corporation Tax ID #27-3820181

If Veteran's don't help Veteran's, who will?

We appreciate all donations to continue to provide information and services to Veterans and their families.

https://www.paypal.com/cgi-bin/webscr?cmd= s-xclick&hosted button id=WGT2M5UTB9A78

Note:

VFC is not liable for source information in this document, it is merely provided as a courtesy to our members.

item ID Mumber	01596
Author	
Corporate Author	
Report/Article Title	Typescript: [Notes on] Air Force Health Study
Journal/Book Title	
Year	0000
Moeth/Bay	
Ceter	
Number of images	13

Includes a few handwritten notes as well.

Descripten Motes

AIR FORCE HEALTH STUDY

- WHITE HOUSE DIRECTED
- Study Design Extensively Peer Reviewed
- Unique Study Population
- STUDY DESIGN
 - MORTALITY
 - Morbidity: Questionnaires, Physical Exams (Keyed to known and reported effects)
 - FOLLOW-UP

STUDY RESULTS

No Soft Tissue Sarcoma (STS), Porphyria Cutanea Tarda (PCT), or Chloracne Diagnosed in RANCH HANDERS

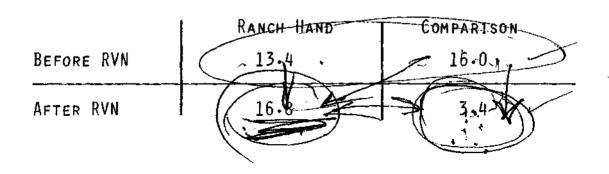
FERTILITY/REPRODUCTIVE

- No Significant RANCH HAND OR Offspring Findings in:
 - SPERM COUNT, OR DEFECTIVE SPERM
 - FIVE FERTILITY/INFERTILITY MEASURES
 - MISCARRIAGE, STILLBIRTH, LIVE BIRTH
 - SEVERE BIRTH DEFECTS
 - MODERATE BIRTH DEFECTS

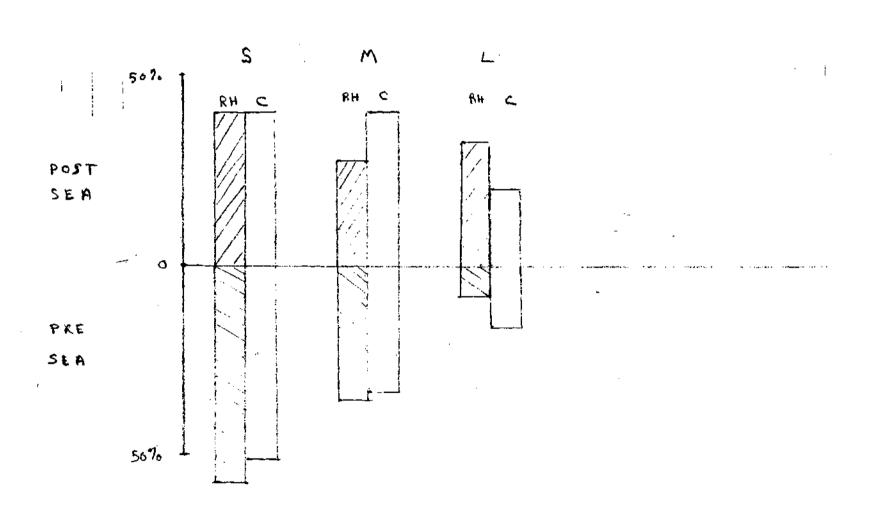
NEONATAL DEATHS

(Unverified self reports; medical records, death certificates pending)

RATE/1000



PERCENT DISTRIBUTION OF REPORTED BIRTH DEFECTS BY SEVERITY AND TIME



CANCER

- No Difference In The Occurrence Of "Systemic" Cancer
- No Soft Tissue Sarcoma Found In RANCH HANDERS
- More Verified Skin Cancer In RANCH HAND Group
 - Not Adjusted For Sun Exposure

a Mature of the cancer a Mortaldy a Frequency at altitude

LIVER

- RANCH HANDERS Self Reported More Liver And PCT-like Symptoms
 - Not Verified As Yet By Medical Records
 - Not Confirmed At Physical Exam (No PCT)
 - Not Substantiated By Lab Tests
- Several Minor Lab Test Differences, But Most Tests Were Similar Between Groups
- More Verified Miscellaneous Disorders In RANCH HANDERS; Significance Unknown

OTHER OBSERVATIONS

- " Poorer Self Perception Of Health In RANCH HANDERS
- " Two LEG PULSES DIMINISHED IN RANCH HANDERS; SIGNIFICANCE UNCLEAR
- NERVOUS, KIDNEY, IMMUNE AND BLOOD SYSTEMS WERE ESSENTIALLY NEGATIVE
- No Meaningful Relationships Between Exposure and Study Findings
- EFFECTS OF CLASSICAL RISK FACTORS (AGE, SMOKING, ALCOCHOL, EDUCATION, ETC+) OBSERVED THROUGHOUT STUDY

CONCLUSIONS

- " STUDY MEASURED TRUE HEALTH STATUS TO MAXIMUM EXTENT POSSIBLE
- " ALL IMPORTANT FINDINGS ARE BEING FOLLOWED UP
- Insufficient Evidence To Support Herbicide Causality
- FINDINGS TO DATE SHOULD BE REASSURING TO RANCH HANDERS
 - No chloracne means low exposure versus chemical worker populations
 - No MAJOR CLINICAL HEALTH PROBLEMS
 - OVERALL GOOD GENERAL HEALTH FOR AGE

STUDY COMPLEXITIES

- Enormous Data Base (4 million items)
- Validity of Self Reporting in Absence of Complete Medical Record Verification
- e Effects of Multiple Risk Factors
 (age, smoking, etc.)
- ° Potential Biases
- Study Schedule

INTERPRETIVE COMPLEXITIES

- Statistical Associations Do Not Mean Causation
- No Analogous Human Studies
- Many Statistically Significant RANCH HAND-Comparison Group Differences Are Not Of Clinical Relevance
- Exposure Index Analyses Are Unrefined
- Positive And Negative Findings Require Follow-up

CATEGORIZED BIRTH DEFECTS BEFORE AND AFTER VIETNAM

Before Vietnam

Birth Defect	RANCH HAND		All Comparisons				
	Number	8	Number	-8			
Severe	51	56.5	62	51			
Moderate	32	35.5	40	33			
Limited	7	8	20	16			
After Vietnam							
Severe	32	40	34	40			
Moderate	22	27.5	34	40			
Limited	26	32.5	18	20			

VERIFIED SKIN AND SYSTEMIC CANCER

	RANCH HAND	Original Comparisons	All Comparisons
:	Number (%)	Number (%)	Number (%)
Skin Cancer	35 (3.3)	11 (1.4)	25 (2.1)
	•		
Systemic Site			
Lip, Mouth, Throat	4	2	2
Digestive System	0.	4	5
Respiratory	3	1	2
Genitourinary	6	2	3
Blood, Lymph	0 .	0	1
Other	1	1	1
Total	14 (1.3)	10 (1.3)	14 (1.2)