

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

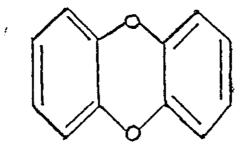
VFC is not liable for source information in this document, it is merely provided as a courtesy to our members.

item ID Number	01354
Author	
Corporate Author	
Report/Article Title	Typescript: Use of Herbicides in Vietnam, 1961-1971
Journal/Book Title	
Year	1983
Montil/Bay	September 28
Color	
Number of Images	18
Descripton Nates	Appears to be printouts from a slide presentation.

SEP 28 1983

USE OF HERBICIDES IN VIETNAM 1961-1971

A dioxin is any of a family of compounds known chemically as dibenzo-para-dioxins.



There are 75 different chlorinated dioxins.
There are 22 different tetra isomers

Dioxin of Concern = 2,3,7,8-TCDD

TOXICITY OF 2,3,7,8-TCDD

Acute Toxicity:	Single Dose LD50 (ug/kg)
Guinea Pig Rat Rabbit Monkey Dog Mouse Hamster Bullfrog Man	0.6 40 115 70 150 200 3500 Over 1000 No deaths reported in literature
Teratogenic (Birth Defects) Mouse Other species Mutagenic (Mutation)	Cleft palate, kidney abnormality Embryo-and Fetotoxic Probably not a mutagen in higher
Carcinogenic (Cancer)	animals Liver, lung and oropharynx cancer noted in rats

Significance: Bioavailability on Environmental matrices

EXPOSURE TO AGENT ORANGE CAN NEVER BE QUANTIFIED!

HOWEVER

AN INDEX FOR LIKELIHOOD OF EXPOSURE
HAS BEEN DEVELOPED

EPIDEMIOLOGY IS THE STUDY OF THE FREQUENCY AND CAUSE OF DISEASE IN HUMAN POPULATIONS.

- * CASE-CONTROL STUDY SUBJECTS (CASES) ARE SELECTED FOR HAVING A PARTICULAR DISEASE AND CONTROL SUBJECTS ARE SELECTED ON BASIS OR ABSENSE OF DISEASE. THE EXPERIENCES OF THE TWO GROUPS ARE COMPARED.
- COHORT STUDY STUDY POPULATION IS SELECTED ON THE BASIS OF KNOWN EXPOSURE AND KNOWN NON-EXPOSURE AND IS EXAMINED FOR THE PRESENCE OF DISEASE.

HOW DO WE REACH A SCIENTIFIC CONSENSUS?

CONSENSUS WILL BE ACHIEVED WHEN:

- EPIDEMIOLOGICAL DATA ARE STATISTICALLY SIGNIFICANT
- RESEARCH FINDINGS CAN WITHSTAND THE SCRUTINY OF PEER REVIEW
- * AND RESEARCH RESULTS CAN BE DUPLICATED BY OTHER INVESTIGATORS.

ARE THERE ANY DISEASES ON WHICH THE MEDICAL COMMUNITY HAS REACHED CONSENSUS AS BEING ASSOCIATED WITH DIOXIN EXPOSURE?

YES1

- Chloracne
- Temporary Health Effects

CHLORACNE - SKIN CONDITION, RESEMBLING COMMON ACNE, WHICH APPEARS WITHIN A FEW WEEKS OF EXPOSURE TO DIOXIN AS WELL AS SOME OTHER CHLORINATED CHEMICAL COMPOUNDS.

OTHER CONDITIONS REPORTED IMMEDIATELY AFTER DIOXIN EXPOSURE AND THAT ARE TEMPORARY

ABNORMAL LIVER FUNCTIONS

HEADACHE

APATHY

FATIGUE

MUSCLE PAIN

JOINT PAIN

SEXUAL DYSPUNCTION

LOSS OF APPETITE

WEIGHT LOSS

SLEEP DISTURBANCES

DECREASED LEARNING

ABILITY

DECREASED MEMORY

TINGLING IN EXTREMITIES

WHAT ARE THE LONG-TERM HEALTH ISSUES WHICH HAVE BEEN ATTRIBUTED TO THE USE OF AGENT ORANGE IN VIETNAM?

- * Skin disorders including chloracne and PCT
- * Birth Defects and Miscarriages
- * Increased Death Rate
- Development of unusual or rare cancers
- Dioxin in human tissue as a cause of future disease

HAS CHLORACNE BEEN DOCUMENTED IN VIETNAM VETERANS?

PRESENT STATUS: INITIAL REVIEW OF OVER 3,000

VIETNAM VETERAN CLAIMS REVEALED

NO DEFINITE CASES OF CHLORACNE.

ON-GOING STUDIES: AIR FORCE HEALTH STUDY-JAN 1984

ARE VIETNAM VETERANS MORE LIKELY TO HAVE CHILDREN WITH BIRTH DEFECTS?

PRESENT STATUS: EPA ARKANSAS STUDY-1979
NIOSH NEW YORK STATE STUDY

1979

NEW ZEALAND HERBICIDE APPLICATORS-1982

AUSTRALIAN BIRTH DEFECTS STUDY-1983

PRESENT CONCLUSION: MEN AND WOMEN ARE AT NO INCREASED RISK

ON-GOING STUDIES: CDC/DOD/VA BIRTH DEFECTS STUDY-JAN 1984

AIR FORCE HEALTH STUDY-JAN 1984

ARE VIETNAM VETERANS DYING IN INCREASED NUMBERS, AT EARLIER AGES OR FROM UNEXPECTED CAUSES?

STUDIES COMPLETED: FOUR INDUSTRIAL HEALTH
STUDIES-1980-1983

FINLAND MORTALITY STUDY OF HERBICIDE APPLICATORS-1982

AIR FORCE HEALTH STUDY-BASELINE MORTALITY-1983

PRESENT CONCLUSION: NO EVIDENCE OF INCREASED DEATH RATE

ON-GOING STUDIES: NEW YORK STATE MORTALITY STUDY (JAN 1984)

VA MORTALITY STUDY (DEC 1984)

ARE VIETNAM VETERANS MORE LIKELY TO DEVELOP CONNECTIVE TISSUE CANCER (SOFT TISSUE SARCOMA)?

COMPLETED STUDIES: SWEDISH SOFT TISSUE SARCOMA (STS)
STUDIES-1978-1983

NEW ZEALAND STS STUDY-1982 FINLAND CANCER STUDY-1982 INDUSTRIAL STUDIES-1980-1983

PRESENT CONCLUSION: NO CONSENSUS

ON-GOING STUDIES: NCI STUDIES IN KANSAS, WASHINGTON, MINNESOTA-1984/85

VA/ARMED FORCES INSTITUTE OF PATHOLOGY (VIETNAM VETERAN STUDY)-1985

CENTERS FOR DISEASE CONTROL STUDY-1985

NIOSH INVESTIGATION-1985

NEW YORK STATE DEPARTMENT OF HEALTH-1984

ARE VIETNAM VETERANS MORE LIKELY TO DEVELOP OTHER FORMS OF CANCER?

COMPLETED STUDIES: FINLAND CANCER STUDY-1982 SWEDISH RISK EVALUATION OF PESTICIDES-1982

> NCI FLORIDA PESTICIDE APPLICATOR STUDY-1983

INDUSTRIAL STUDIES-1980-1983

PRESENT CONCLUSION: NO CONSENSUS

ON-GOING STUDIES: AIR FORCE HEALTH STUDY-1984

NIOSH DIOXIN REGISTRY-1985

CDC AGENT ORANGE EPIDEMIOLOGIC

STUDY-1987

DO VIETNAM VETERANS WHO WERE EXPOSED TO AGENT ORANGE HAVE RESIDUAL LEVELS OF DIOXIN IN THEIR BODY TISSUE? IF SO, IS IT LIKELY TO CAUSE ANY HEALTH PROBLEMS?

STUDIES COMPLETED: VA FEASIBILITY STUDY

PRESENT CONCLUSIONS: SMALL AMOUNTS OF DIOXIN
CAN BE DETECTED

NO CORRELATION BETWEEN DIOXIN LEVEL, EXPOSURE OR HEALTH

ON-GOING STUDIES: VA/EPA DIOXIN AND FURAN STUDIES
OF HUMAN ADIPOSE TISSUE

ARE THERE OTHER HEALTH PROBLEMS PECULIAR TO VIETNAM VETERANS?

ON-GOING STUDIES: AIR FORCE HEALTH STUDY-1984

CDC EPIDEMIOLOGIC STUDIES-1987

VA VIETNAM EXPERIENCE TWIN STUDY
1986

OTHER RELATED EFFORTS: VA AGENT ORANGE REGISTRY

VA PATIENT TREATMENT FILE

COMPONENTS OF THE FEDERAL STUDIES

ON-GOING HEALTH SURVEILLANCE

MORTALITY

MORBIDITY

SOFT TISSUE SARCOMAS/LYMPHOMAS

REPRODUCTIVE PROBLEMS

TCDD IN HUMAN ADIPOSE

INFORMATION DISSEMINATION