

1. Record Nr.	UNINA9910817710003321
Titolo	Mortality of veteran participants in the crossroads nuclear test // J. Christopher Johnson ... [et al.] ; with oversight from the Institute of Medicine, Committee on the Crossroads Nuclear Test
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1996
ISBN	0-309-17517-8 1-280-19209-7 9786610192090 0-309-58977-0 0-585-14895-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (159 p.)
Altri autori (Persone)	JohnsonJ. Christopher
Soggetti	Operation Crossroads, Marshall Islands, 1946 - Health aspects Radioactive fallout - Health aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Mortality of Veteran Participants in the Crossroads Nuclear Test -- Copyright -- Preface -- Acknowledgments -- Glossary and Acronyms -- Contents -- Summary -- 1 Study Rationale and Overview -- RATIONALE -- OVERVIEW -- 2 Other Studies of the Human Health Effects of Radiation Exposure -- 3 Epidemiology Primer -- CHOICE OF COMPARISON GROUP -- FINE TUNING OF EXPOSED GROUP -- CONFFOUNDERS -- DATA COLLECTION -- INTERPRETING DATA FINDINGS -- EPIDEMIOLOGY SUMMARY RELATED TO THIS STUDY -- 4 Description of Operation Crossroads -- 5 Data Sources for the Crossroads Study -- 6 The Participant Cohort -- INDEPENDENT VERIFICATION OF PARTICIPANT COHORT -- EXCLUSION OF "POST-CROSSROADS" PARTICIPANTS -- CROSSROADS PARTICIPANTS WHO PARTICIPATED IN OTHER NUCLEAR TESTS -- PRIMARY ANALYSIS-NAVY PERSONNEL ONLY -- EXCLUSIVITY OF PARTICIPANT AND COMPARISON COHORTS -- 7 The Comparison Cohort -- COMPARISON COHORT SELECTION -- Navy and Shipboard Marines -- Army and Army Air Corps -- MILITARY PERSONNEL RECORDS -- ADDITIONAL CONTROLS

-- 8 Exposure Definition, Measurement, and Verification --
INTRODUCTION -- DOSIMETRY BACKGROUND -- Definition of Potential
Surrogate Dose Groups -- DNA-Provided Dose Estimates -- Overall --
Alternatives -- PARTICIPANT VERSUS NONPARTICIPANT COHORTS AS
AN EXPOSURE SURROGATE -- BOARDERS VERSUS NONBOARDING
PARTICIPANTS VERSUS NONPARTICIPANTS AS EXPOSURE SURROGATES
-- ENGINEERING & -- HULL VERSUS OTHER SPECIALTY STATUS AS
AN EXPOSURE SURROGATE -- RELATIONSHIPS OF SURROGATES WITH
DNA DOSE DATA -- DECISIONS FOR THE ANALYSES IN THIS REPORT --
9 Mortality Ascertainment -- PROCEDURE -- Vital Status Ascertainment
-- Cause and Date-of-Death Ascertainment -- SUMMARY OF
MORTALITY ASCERTAINMENT QUALITY AND ITS POTENTIAL EFFECTS ON
VALID INTERPRETATION OF THE... -- 10 Characterization of the
Cohorts and Analysis Plan -- DATA DECISIONS TAKEN BEFORE
ANALYSIS.
Restricting Data Elements or Sample Definition -- Data Cleaning and
Variable Development -- UNIVARIATE DESCRIPTIONS OF STUDY
POPULATION -- MISSING DATA -- Imputation of Fact and Date of Death
-- Imputation of Date of Birth -- Summary -- COMPLETENESS OF VITAL
STATUS ASCERTAINMENT -- MORTALITY COMPARISONS --
MULTIVARIATE ANALYSES -- Cox Proportional Hazards Model --
Standardized Mortality Ratios -- ANALYSIS OF ARMY (INCLUDING ARMY
AIR CORPS) AND MARINE DATA -- NOT THE SUBJECT OF ANALYSIS IN
THIS REPORT -- 11 Findings and Discussion -- ORGANIZATION --
FINDINGS: DISPLAYED IN TABLES -- NARRATIVE SUMMARY OF FINDINGS
-- Participant Status -- Boarder Status/Hypothesized Exposure
Gradient -- Engineering & -- Hull Status/Hypothesized Exposure
Surrogate -- FINDINGS FOR MARINES AND ARMY (INCLUDING ARMY AIR
CORPS) PERSONNEL -- DISCUSSION -- Boarders -- Engineering &
-- Hull -- Discussion of Other Findings -- Other Models and
Parameters Considered During Analysis -- STANDARDIZED MORTALITY
RATIOS -- DISCUSSION RRELATING THESE FINDINGS TO THOSE OF
SIMILAR STUDIES -- Findings in Other Studies of Atomic Veterans --
Selection Bias as an Explanation for Increased Participant All-Cause
Mortality -- AVENUES OF FURTHER EXPLORATION -- 12 Conclusions --
SUMMARY OF FINDINGS -- References -- A National Association of
Atomic Veterans (NAAV) Medical Survey -- B Participant Description
(DNA Memorandum dated July 11, 1994) -- EXPLANATORY
MEMORANDUM -- Background -- Operational Period and Operational
Area -- SOURCES OF PARTICIPANT INFORMATION -- TRACKING OF
PARTICIPANTS -- REFINEMENT OF THE INITIAL DATA BASE --
PARTICIPATION DATES AND DOSE RECONSTRUCTING -- DOSE
RECONSTRUCTION -- ENGINEER RATINGS -- SOURCE CODES --
PARTICIPATING UNIT/PERMANENT UNIT DATA -- COMMANDER JOINT
TASK FORCE (CJTF-1) MEDICAL RESEARCH PERSONNEL, BOARDING
TEAM AND RADSAFE TEAMS.
C Standardized Mortality Ratios -- D Radiation Doses for CROSSROADS
Participants and Exposure Surrogate Groups -- E Verification of
Completeness and Accuracy of the Participant Roster --
INTRODUCTION -- METHODOLOGY -- Comparison to Previous Versions
of the Participant Roster -- Comparison of Participant Roster to
National Association of Atomic Veterans (NAAV) Mortality Study List --
Comparison of DNA Participant Roster to a List of Participants Solicited
through Veterans' Journals -- Individual Follow-Up on Putative
Participants of Uncertain Status -- RESULTS -- Comparison with an
Earlier Version of the Participant Roster -- Comparison with the NAAV
Medical Survey -- Comparison with the Write-in List -- Follow-Up on
Putative Participants of Uncertain Status -- DISCUSSION --

CONCLUSION -- F Verification of Completeness and Accuracy of
Mortality Ascertainment -- ASSESSMENT OF COMPLETENESS --
Completeness of Mortality Follow-Up -- ASSESSMENT OF VALIDITY --
Mortality Ascertainment -- HCFA -- NDI -- EXTERNAL VALIDATION
DISCUSSION -- Mortality Information -- Cause-of-Death Information.
