

# Exposure to EM Radiation from Radar:

## Health Implications for

## Navy Personnel

## Aviators, and other Military Servicemen / Radar Personnel

**Research Executive Summary:** EM Radiation emitted from Radar installations has been implicated in the increased incidence and mortality of several types of cancer and other disorders in Navy and other military personnel. Biomedical research implicating EM Radiation include:

Leukemia	Band PR et. al. (1996)
Prostate cancer	Band PR et. al. (1996)
Brain cancer	Band PR et. al. (1996)
Rectal cancer	Band PR et. al. (1996)
Hodgkin's Disease	Band PR et. al. (1990)
Blood cell abnormalities:	
Decreased number of erythrocytes	Budinscak V (1991)
Decreased number of reticulocytes	Budinscak V (1991)
Decreased number of platelets	Budinscak V (1991)
Segmented granulocytes and monocytes	Budinscak V (1991)
Increased number of leucocytes and lymphocytes	Budinscak V (1991)
Testicular cancer	Davis RL et. al. (1993)
Hodgkin's disease	Garland FC et. al. (1987)
Leukemia	Garland FC et. al. (1990)
Leukemia	Goldsmith JR (1995)
Brain cancer	Goldsmith JR (1995)

Breast cancer	Goldsmith JR (1995)
Blood count changes	Goldsmith JR (1995)
Somatic mutation	Goldsmith JR (1995)
Reproductive impairment	Goldsmith JR (1995)
Cancer of the hematopoietic system	Goldsmith JR (1995)
Decreased thrombocyte count	Goldsmith JR (1995)
Decreased leukocyte counts	Goldoni J et. al. (1990)
Changes in hematological and biochemical parameters	Goldoni J (1993)
Abnormal electrical brain activity	Goldoni J (1993)
Testicular cancer	Grayson JK et. al. (1996)
Urinary bladder cancer	Grayson JK et. al. (1996)
Excessive rates of cancer in all sites combined	Grayson JK et. al. (1996)
Brain tumors	Grayson JK (1996)
Non-lymphocytic leukemia	Groves FD (2002)
Decreased semen volume	Hjollund NH et.al. (1997)
Decreased sperm count	Hjollund NH et.al. (1997)
Brain cancer & CNS cancer	Irvine D (1992)
Colon cancer	Irvine D (1992)
Malignant melanoma	Irvine D (1992)
Excessive mortality due to cancer as whole	Irvine D (1992)
Seminoma testicular cancer	Hardell L et. al. (1998)
Embryonal testicular cancer	Hardell L et. al. (1998)
Uveal melanoma / intraocular melanoma	Holly E (1996)

Decreased counts of lymphocytes and T8 cells	Moszczynski P et. al. (1999)
Higher cancer risks for the entire body	Hardell L et. al. (1998)
Melanoma of the eye	Hardell L et. al. (1998)
Testicular cancer	Hardell L et. al. (1998)
Nasopharyngioma	Hardell L et. al. (1998)
Non-Hodgkin's lymphoma	Hardell L et. al. (1998)
Breast cancer	Hardell L et. al. (1998)
Brain cancer	Richter ED et. al. (2002)
Respiratory cancer	Robinette CD et. al. (1980)
Bone cancer	Goldsmith J (1997)
Muscle cancer	Goldsmith J (1997)
Cardiovascular illnesses	Goldsmith J (1997)
Psychophysiologic disorders	Goldsmith J (1997)
Brain & other central nervous system cancer	Salisbury DA et. al. (1991)
Hodgkin's Disease	Salisbury DA et. al. (1991)
Colon cancer	Salisbury DA et. al. (1991)
Brain cancer	Santana VS et. al. (1999)
Brain cancer/ neoplasm	Silva M et. al. (2000)
Non-Hodgkin lymphoma	Silva M et. al. (2000)
Prostate cancer	Silva M et. al. (2000)
Neoplasms of the alimentary	Szmigielski S (1996)
Malignancies of the haemopoietic system	Szmigielski S (1996)
Malignancies of the lymphatic organs	Szmigielski S (1996)

Chronic myelocytic leukaemia	Szmigielski S (1996)
Acute myeloblastic leukaemia	Szmigielski S (1996)
Non-Hodgkin lymphomas	Szmigielski S (1996)
Lowered sperm counts	Weyandt TB et. al. (1996)
Lower sperm / ejaculate	Weyandt TB et. al. (1996)

Literature Review Compiled By: Concerned Citizens Against the SBX (CCA-SBX)

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