

Interactive RadioEpidemiological Program

Summary Report

Date of Run: 10/11/2011

IREP version: 5.5

Time of Run: 3:08:09 PM

Analytica/ADE version: 4.2 64-bit

Information Used In Assigned Share (Probability of Causation) Calculation:

Gender: Male

Race (skin cancer only): Black

Birth Year: 1940

Year of Diagnosis: 1998

Cancer Model: Non-melanoma skin-Basal Cell (173)

Smoking history (trachea, bronchus, or lung cancer only): N/A

IREP Assumptions and Settings:

User Defined Uncertainty Distribution: Lognormal(1,1)

Number of Iterations: 2000

Random Number Seed: 99

General Exposure Information:

#	Exp. Year	Organ Dose (cSv)	Exp. Rate	Radiation Type
1	1956	Lognormal (0.5, 2)	chronic	electrons E>15keV
2	1957	Lognormal (0.5, 1.5)	chronic	electrons E>15keV
3	1958	Lognormal (0.5, 3)	chronic	electrons E>15keV
4	1959	Lognormal (0.5, 1.5)	chronic	electrons E>15keV
5	1960	Lognormal (0.5, 2)	chronic	electrons E>15keV
6	1961	Logtriangular (0.5, 2, 3)	chronic	electrons E>15keV
7	1962	Logtriangular (0.5, 2, 3)	chronic	electrons E>15keV
8	1963	Logtriangular (0.5, 2, 3)	chronic	electrons E>15keV
9	1964	Logtriangular (0.5, 2, 3)	chronic	electrons E>15keV
10	1965	Logtriangular (0.5, 2, 3)	chronic	electrons E>15keV
11	1966	Lognormal (0.5, 2)	chronic	electrons E>15keV
12	1967	Lognormal (0.5, 2)	chronic	electrons E>15keV
13	1968	Lognormal (0.5, 2)	chronic	electrons E>15keV
14	1969	Lognormal (0.5, 2)	chronic	electrons E>15keV
15	1970	Lognormal (0.5, 2)	chronic	electrons E>15keV
16	1971	Lognormal (0.5, 2)	chronic	electrons E>15keV
17	1972	Lognormal (0.5, 2)	chronic	electrons E>15keV
18	1973	Lognormal (0.5, 2)	chronic	electrons E>15keV

19	1974	Lognormal (0.5, 2)	chronic	electrons E>15keV
20	1975	Lognormal (0.5, 2)	chronic	electrons E>15keV

Radon Exposure Information:

N/A (applies only to cases of Lung Cancer with Radon Exposures)

ASSIGNED SHARE (PROBABILITY OF CAUSATION) RESULTS:

Percentile	Assigned Share
1st	6.183 %
5th	11.181 %
50th	31.437 %
95th	61.471 %
99th	74.507 %

If you would like to see more percentiles, click here: [More Percentiles](#)

To perform another calculation, click here: [New Calculation](#)
