

# Interactive RadioEpidemiological Program

## Summary Report

Date of Run: 10/11/2011  
Time of Run: 3:04:15 PM

IREP version: 5.5  
Analytica/ADE version: 4.2 64-bit

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

Gender: Male Race (skin cancer only): N/A  
Birth Year: 1940 Year of Diagnosis: 1990  
Cancer Model: Liver (155)  
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	1958	Lognormal (10, 2)	chronic	photons E>250keV
2	1959	Lognormal (20, 1.5)	chronic	photons E>250keV
3	1960	Lognormal (15, 3)	chronic	photons E>250keV
4	1961	Lognormal (15, 1.5)	chronic	photons E>250keV
5	1962	Lognormal (15, 2)	chronic	photons E>250keV
6	1963	Logtriangular (1, 2, 3)	chronic	alpha
7	1964	Logtriangular (1, 2, 3)	chronic	alpha
8	1965	Logtriangular (1, 2, 3)	chronic	alpha
9	1966	Logtriangular (1, 2, 3)	chronic	alpha
10	1967	Logtriangular (1, 2, 3)	chronic	alpha
11	1968	Lognormal (2, 2)	chronic	electrons E<15keV
12	1969	Lognormal (2, 2)	chronic	electrons E<15keV
13	1970	Lognormal (2, 2)	chronic	electrons E<15keV
14	1971	Lognormal (2, 2)	chronic	electrons E<15keV
15	1972	Lognormal (2, 2)	chronic	electrons E<15keV
16	1973	Lognormal (2, 2)	chronic	electrons E<15keV
17	1974	Lognormal (2, 2)	chronic	electrons E<15keV
18	1975	Lognormal (2, 2)	chronic	electrons E<15keV

19	1976	Lognormal (2, 2)	chronic	electrons E<15keV
20	1977	Lognormal (2, 2)	chronic	electrons E<15keV
21	1978	Lognormal (2, 2)	chronic	electrons E<15keV
22	1979	Lognormal (2, 2)	chronic	electrons E<15keV
23	1980	Lognormal (2, 2)	chronic	electrons E<15keV
24	1981	Lognormal (2, 2)	chronic	electrons E<15keV
25	1982	Lognormal (2, 2)	chronic	electrons E<15keV
26	1983	Lognormal (2, 2)	chronic	electrons E<15keV
27	1984	Lognormal (2, 2)	chronic	electrons E<15keV
28	1985	Lognormal (2, 2)	chronic	electrons E<15keV
29	1986	Lognormal (2, 2)	chronic	electrons E<15keV
30	1987	Lognormal (2, 2)	chronic	electrons E<15keV
31	1988	Lognormal (2, 2)	chronic	electrons E<15keV
32	1989	Lognormal (2, 2)	chronic	electrons E<15keV
33	1990	Lognormal (2, 2)	chronic	electrons E<15keV

## Radon Exposure Information:

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

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## ASSIGNED SHARE (PROBABILITY OF CAUSATION) RESULTS:

Percentile	Assigned Share
1st	16.246 %
5th	27.018 %
50th	66.308 %
95th	88.783 %
99th	92.414 %

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

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

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