

# Interactive RadioEpidemiological Program

## Summary Report

Date of Run: 10/11/2011  
Time of Run: 3:04:53 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: 1920 Year of Diagnosis: 1970  
Cancer Model: Stomach (151)  
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	1940	Lognormal (0.1, 2)	acute	photons E>250keV
2	1941	Lognormal (0.1, 1.5)	acute	photons E>250keV
3	1942	Lognormal (0.1, 3)	acute	photons E>250keV
4	1943	Lognormal (0.1, 1.5)	acute	photons E>250keV
5	1944	Lognormal (0.1, 2)	acute	photons E>250keV
6	1945	Logtriangular (0.1, 2, 3)	acute	photons E>250keV
7	1946	Logtriangular (0.1, 2, 3)	acute	photons E>250keV
8	1947	Logtriangular (0.1, 2, 3)	acute	photons E>250keV
9	1948	Logtriangular (0.1, 2, 3)	acute	photons E>250keV
10	1949	Logtriangular (0.1, 2, 3)	acute	photons E>250keV
11	1950	Lognormal (0.1, 2)	acute	photons E>250keV
12	1951	Lognormal (0.1, 2)	acute	photons E>250keV
13	1952	Lognormal (0.1, 2)	acute	photons E>250keV
14	1953	Lognormal (0.1, 2)	acute	photons E>250keV
15	1954	Lognormal (0.1, 2)	acute	photons E>250keV
16	1955	Lognormal (0.1, 2)	acute	photons E>250keV
17	1956	Lognormal (0.1, 2)	acute	photons E>250keV
18	1957	Lognormal (0.1, 2)	acute	photons E>250keV

19	1958	Lognormal (0.1, 2)	acute	photons E>250keV
20	1959	Lognormal (0.1, 2)	acute	photons E>250keV
21	1960	Lognormal (0.1, 2)	acute	photons E>250keV
22	1961	Lognormal (0.1, 2)	acute	photons E>250keV
23	1962	Lognormal (0.1, 2)	acute	photons E>250keV
24	1963	Lognormal (0.1, 2)	acute	photons E>250keV
25	1964	Lognormal (0.1, 2)	acute	photons E>250keV
26	1965	Lognormal (0.1, 2)	acute	photons E>250keV
27	1940	Lognormal (2, 2)	chronic	electrons E<15keV
28	1941	Lognormal (2, 2)	chronic	electrons E<15keV
29	1942	Lognormal (2, 2)	chronic	electrons E<15keV
30	1943	Lognormal (2, 2)	chronic	electrons E<15keV
31	1944	Lognormal (2, 2)	chronic	electrons E<15keV
32	1945	Lognormal (2, 2)	chronic	electrons E<15keV
33	1946	Lognormal (2, 2)	chronic	electrons E<15keV
34	1947	Lognormal (2, 2)	chronic	electrons E<15keV
35	1948	Lognormal (2, 2)	chronic	electrons E<15keV
36	1949	Lognormal (2, 2)	chronic	electrons E<15keV
37	1950	Lognormal (2, 2)	chronic	electrons E<15keV
38	1951	Lognormal (2, 2)	chronic	electrons E<15keV
39	1952	Lognormal (2, 2)	chronic	electrons E<15keV
40	1953	Lognormal (2, 2)	chronic	electrons E<15keV
41	1954	Lognormal (2, 2)	chronic	electrons E<15keV
42	1955	Lognormal (2, 2)	chronic	electrons E<15keV
43	1956	Lognormal (2, 2)	chronic	electrons E<15keV
44	1957	Lognormal (2, 2)	chronic	electrons E<15keV
45	1958	Lognormal (2, 2)	chronic	electrons E<15keV
46	1959	Lognormal (2, 2)	chronic	electrons E<15keV
47	1960	Lognormal (2, 2)	chronic	electrons E<15keV
48	1961	Lognormal (2, 2)	chronic	electrons E<15keV
49	1962	Lognormal (2, 2)	chronic	electrons E<15keV
50	1963	Lognormal (2, 2)	chronic	electrons E<15keV
51	1964	Lognormal (2, 2)	chronic	electrons E<15keV
52	1965	Lognormal (2, 2)	chronic	electrons E<15keV
53	1940	Lognormal (1, 2)	chronic	alpha
54	1941	Lognormal (1, 2)	chronic	alpha
55	1942	Lognormal (1, 2)	chronic	alpha
56	1943	Lognormal (1, 2)	chronic	alpha
57	1944	Lognormal (1, 2)	chronic	alpha
58	1945	Lognormal (1, 2)	chronic	alpha
59	1946	Lognormal (1, 2)	chronic	alpha
60	1947	Lognormal (1, 2)	chronic	alpha

61	1948	Lognormal (1, 2)	chronic	alpha
62	1949	Lognormal (1, 2)	chronic	alpha
63	1950	Lognormal (1, 2)	chronic	alpha
64	1951	Lognormal (1, 2)	chronic	alpha
65	1952	Lognormal (1, 2)	chronic	alpha
66	1953	Lognormal (1, 2)	chronic	alpha
67	1954	Lognormal (1, 2)	chronic	alpha
68	1955	Lognormal (1, 2)	chronic	alpha
69	1956	Lognormal (1, 2)	chronic	alpha
70	1957	Lognormal (1, 2)	chronic	alpha
71	1958	Lognormal (1, 2)	chronic	alpha
72	1959	Lognormal (1, 2)	chronic	alpha
73	1960	Lognormal (1, 2)	chronic	alpha
74	1961	Lognormal (1, 2)	chronic	alpha
75	1962	Lognormal (1, 2)	chronic	alpha
76	1963	Lognormal (1, 2)	chronic	alpha
77	1964	Lognormal (1, 2)	chronic	alpha
78	1965	Lognormal (1, 2)	chronic	alpha
79	1940	Lognormal (2, 2)	chronic	electrons E<15keV
80	1941	Lognormal (2, 2)	chronic	electrons E<15keV
81	1942	Lognormal (2, 2)	chronic	electrons E<15keV
82	1943	Lognormal (2, 2)	chronic	electrons E<15keV
83	1944	Lognormal (2, 2)	chronic	electrons E<15keV
84	1945	Lognormal (2, 2)	chronic	electrons E<15keV
85	1946	Lognormal (2, 2)	chronic	electrons E<15keV
86	1947	Lognormal (2, 2)	chronic	electrons E<15keV
87	1948	Lognormal (2, 2)	chronic	electrons E<15keV
88	1949	Lognormal (2, 2)	chronic	electrons E<15keV
89	1950	Lognormal (2, 2)	chronic	electrons E<15keV
90	1951	Lognormal (2, 2)	chronic	electrons E<15keV
91	1952	Lognormal (2, 2)	chronic	electrons E<15keV
92	1953	Lognormal (2, 2)	chronic	electrons E<15keV
93	1954	Lognormal (2, 2)	chronic	electrons E<15keV
94	1955	Lognormal (2, 2)	chronic	electrons E<15keV
95	1956	Lognormal (2, 2)	chronic	electrons E<15keV
96	1957	Lognormal (2, 2)	chronic	electrons E<15keV
97	1958	Lognormal (2, 2)	chronic	electrons E<15keV
98	1959	Lognormal (2, 2)	chronic	electrons E<15keV
99	1960	Lognormal (2, 2)	chronic	electrons E<15keV
100	1961	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	0.000 %
5th	1.876 %
50th	33.093 %
95th	80.790 %
99th	89.156 %

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

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

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