

NCI Radiation Risk Assessment Tool

Summary Report

Gender: Female
Birth Year: 1950

NCI RadRAT version: 3.7
Date of Run: 4/26/2012
Time of Run: 4:22:58 PM

Advanced Settings:

Number of Iterations: 300

Random Number Seed: 99

User Defined Uncertainty Distribution: Constant =1

Current Year Setting: 2012

Exposure Information: [-] Click to Hide Exposure Information

Exposure Event	Exposure Year	Organ	Organ Dose (mGy)	Exposure Rate
1	1990	Breast	Lognormal (1.73, 1.15)	acute
2	1991	Breast	Lognormal (1.73, 1.15)	acute
3	1992	Breast	Lognormal (1.73, 1.15)	acute
4	1993	Breast	Lognormal (1.73, 1.15)	acute
5	1994	Breast	Lognormal (1.73, 1.15)	acute
6	1995	Breast	Lognormal (1.73, 1.15)	acute
7	1996	Breast	Lognormal (1.73, 1.15)	acute
8	1997	Breast	Lognormal (1.73, 1.15)	acute
9	1998	Breast	Lognormal (1.73, 1.15)	acute
10	1999	Breast	Lognormal (1.73, 1.15)	acute

Risk Estimates:

Lifetime Risk of Developing Breast Cancer (chances in 100,000):

90% Uncertainty Range

	Lower Bound	Mean	Upper Bound
Excess Lifetime Risk*	10	19.4	33.7

* Risk from the time of exposure to the end of the expected lifetime

Future Risk of Developing Breast Cancer (chances in 100,000):

90% Uncertainty Range

	Lower Bound	Mean	Upper Bound
Excess Future Risk**	8.03	15.6	26.5

** Risk from the present time to the end of the expected lifetime

[Click here to hide](#) the Baseline Future and Total Future Risk

Future Risk of Developing Breast Cancer (chances in 100,000):**90% Uncertainty Range**

	Lower Bound	Mean	Upper Bound
Baseline Future Risk**	8937	9028	9120
Total Future Risk**	8951	9044	9136

** Risk from the present time to the end of the expected lifetime

To return to the Main Inputs Page, click here: [Return to Inputs](#)

To upload input information using a file, click here: [Go to Upload Page](#)

To restart the calculator with default inputs, click here: [Restart Calculator](#)
