

NCI Radiation Risk Assessment Tool

Summary Report

Gender: Male
 Birth Year: 1991

NCI RadRAT version: 3.7
 Date of Run: 4/26/2012
 Time of Run: 2:49:30 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	2011	All Organs	Uniform (1, 5)	chronic
2	2012	All Organs	Uniform (0.795, 3.97)	chronic
3	2013	All Organs	Uniform (0.631, 3.16)	chronic
4	2014	All Organs	Uniform (0.502, 2.51)	chronic
5	2015	All Organs	Uniform (0.399, 1.99)	chronic
6	2016	All Organs	Uniform (0.317, 1.58)	chronic
7	2017	All Organs	Uniform (0.252, 1.26)	chronic
8	2018	All Organs	Uniform (0.2, 0.999)	chronic
9	2019	All Organs	Uniform (0.159, 0.794)	chronic
10	2020	All Organs	Uniform (0.126, 0.631)	chronic
11	2021	All Organs	Uniform (0.1, 0.501)	chronic
12	2022	All Organs	Uniform (0.0797, 0.398)	chronic
13	2023	All Organs	Uniform (0.0633, 0.316)	chronic
14	2024	All Organs	Uniform (0.0503, 0.251)	chronic
15	2025	All Organs	Uniform (0.04, 0.2)	chronic
16	2026	All Organs	Uniform (0.0317, 0.159)	chronic
17	2027	All Organs	Uniform (0.0252, 0.126)	chronic
18	2028	All Organs	Uniform (0.02, 0.1)	chronic
19	2029	All Organs	Uniform (0.0159, 0.0796)	chronic
20	2030	All Organs	Uniform (0.0127, 0.0633)	chronic
21	2031	All Organs	Uniform (0.0101, 0.0503)	chronic
22	2032	All Organs	Uniform (0.00799, 0.0399)	chronic
23	2033	All Organs	Uniform (0.00635, 0.0317)	chronic
24	2034	All Organs	Uniform (0.00504, 0.0252)	chronic
25	2035	All Organs	Uniform (0.00401, 0.02)	chronic
26	2036	All Organs	Uniform (0.00318, 0.0159)	chronic
27	2037	All Organs	Uniform (0.00253, 0.0126)	chronic
28	2038	All Organs	Uniform (0.00201, 0.01)	chronic
29	2039	All Organs	Uniform (0.0016, 0.00798)	chronic

30	2040	All Organs	Uniform (0.00127, 0.00634)	chronic
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Risk Estimates:**Lifetime Risk of Developing Cancer of the Exposed Organs (chances in 100,000):****90% Uncertainty Range**

	Lower Bound	Mean	Upper Bound
Excess Lifetime Risk*	95.9	181	328

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

[Click here to show](#) the Excess Lifetime Risk per cancer site

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

	Lower Bound	Mean	Upper Bound
Excess Future Risk**	92	180	332

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

[Click here to show](#) the Excess Future Risk per cancer site

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

[Click here to show](#) the Baseline Future Risk per cancer site

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