

TABLE 9-12**PENALTY TABLE OF RISK ESTIMATES FOR CONTINUOUS RADIATION EXPOSURE**

Persons Requiring Medical Treatment	Maximum Cancer Deaths**	Accumulated Radiation Dose* (Sv) in any period of					
		One Week		One Month		Four Months	
		Total	Daily	Total	Daily	Total	Daily
None	18.0	1.5	0.21	2.0	0.066	3.0	0.025
Some (5% deaths)	28.5***	2.5	0.35	3.5	0.12	5.0	0.16
Most (50% deaths)	27.0†	4.5	0.64	6.0	0.20	—	—

* RBE of neutrons increases with decreasing dose rate

** Per battalion (1,000 soldiers) over a lifetime:

16%-20% leukemia (minimal latency 3-5 years)

Remainder will be solid tumors (minimal latency 10 years)

*** Based on calculations of 95% survivors using BEIR III estimates

† Based on calculations of 50% survivors using BEIR III estimates

Source: Based on NCRP Penalty Table, reference 54

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