

Time/Dose Effects in Acute Radiation Syndrome - Acute Clinical Effects of Single-Dose Exposure of Whole-Body Irradiation

Symptoms/Signs for Dose Range 0.75 to 1.5 Gy in Free Air

Symptoms/Signs	Hours						Days							Weeks																		
	4	8	12	16	20	24	2	3	4	5	6	7	2	3	4	5	6	7														
Nausea							5-30%																									
Vomiting (retching)							5-20%																									
Anorexia							15-50%																									
Diarrhea (cramps)																																
Fatigue																																
Weakness																																
Hypotension																																
Dizziness																																
Disorientation																																
Bleeding																																
Fever							(a)							(a)																		
Infection							(b)																									
Ulceration																																
Fluid loss/electrolyte imbalance																																
Headache																																
Fainting																																
Prostration																																
Death																																
<p>Severity Scale</p> <table border="0"> <tr> <td></td> <td>mild to moderate</td> <td></td> <td>moderate to severe</td> <td rowspan="3"></td> <td rowspan="3">Colors used to improve visualization only.</td> </tr> <tr> <td></td> <td>unspecified or mild</td> <td></td> <td>moderate</td> </tr> <tr> <td></td> <td></td> <td></td> <td>severe</td> </tr> </table>																				mild to moderate		moderate to severe		Colors used to improve visualization only.		unspecified or mild		moderate				severe
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			severe																													
<p align="center">Management and Treatment</p> <p>Performance: o Combat effective.</p> <p>Hospitalization Percentage/Duration o None</p> <p>Therapy o None</p>																																
<p>(a) Slight drop in lymphocyte, platelet, and granulocyte counts. (b) Increased susceptibility to non-opportunistic pathogens.</p>																																

Adapted from NATO Handbook on the Medical Aspects of NBC Defensive Operations AMedP-6(B), Chapter 6, General Medical Effects of Nuclear Weapons: Diagnosis, Treatment, and Prognosis, 1 February, 1996.