

Radiation workers and internal exposure

1. Risk Ratios for childhood cancer by internal and internal/external monitored exposure category of father in nuclear industry family study (Roman et al 1999)
(Excluding Gardner Seascale children)

	External only	Internal + external
All malignancy	1.4	1.5
All malignancy excluding <1986	1.4	1.6
leukaemia + non-Hodgkin lymphoma	1.5	2.3
leukaemia	2.1	2.4

2. Relative risks for childhood cancer by type of paternal radiation work: Record Linkage Study (Draper et al. 1997, NRPB R-298) (1.0 is non radiation worker)
leukemia + NHL; RR = 1.77 for all cases, p<0.05

	Not Monitored for internal radiation	Monitored for internal radiation
All cancers	1.22	1.76
leukaemia + non-Hodgkin lymphoma	1.61	2.91

3. Cancer in offspring of female radiation workers. Record Linkage Study (NRPB R-298)

	Relative Risk	95% confidence
All cancers except leukaemia and NHL	5.5	1.2 to 51
Leukaemia and NHL	4.0	0.4 to 196