EPIDEMIOLOGY SHOWS CAUSE FOR CONCERN IN THE LATTER HALF OF THE 20th CENTURY

Early concerns:

1. Postwar Childhood leukemia. (Alice Stewart)
2. Infant and perinatal mortality from global fallout. (Sternglass, Gofman, Tamplin).
3. Heritable genetic effects from Sr-90 (Luning, Smirnova et al.)
4. Nuclear site clusters e.g. Seascale, La Hague, Dounreay etc. (Yorkshire TV, Gardner; Viel, Heasman)

CHILDHOOD MORTALITY ON THE SOVIET NUCLEAR CITIES

Mortality / 1000	Ozersk (n=20983)	Snezhinsk (n= 11994)
Average (mSv) effective dose	1.60 (0.05-3.36)	0.98 (0.04 - 2.04)
Infant mortality / 1000 live births	14.0	11.7
Stillbirths	7.0	5.8

Infant mortality and stillbirths at the two Mayak cities Snezhinsk and Ozersk (1974-1995). N is number of children. Comparison of these two cities gives an excess of 27% infant mortality for a dose differential of 0.6mSv, about twice the rate found from the weapons testing fallout in England and Wales.
Source of data: translated and supplied by Alexey Yablokov from the report of Petrushinka et al. 1999.