

# OCCUPATIONAL RADIATION EXPOSURES IN CANADA

The National Dose Registry (NDR) is Canada's national repository for dose records of Canadian workers who are monitored for occupational exposure to ionizing radiation. It is administered by Health Canada's Radiation Protection Bureau and supports Health Canada and Canadian regulatory authorities in their mandates to protect the health and safety of Canadians exposed to ionizing radiation in the workplace.



NUMBER OF WORKERS  
MONITORED BY THE NDR IN 2016.

158,398

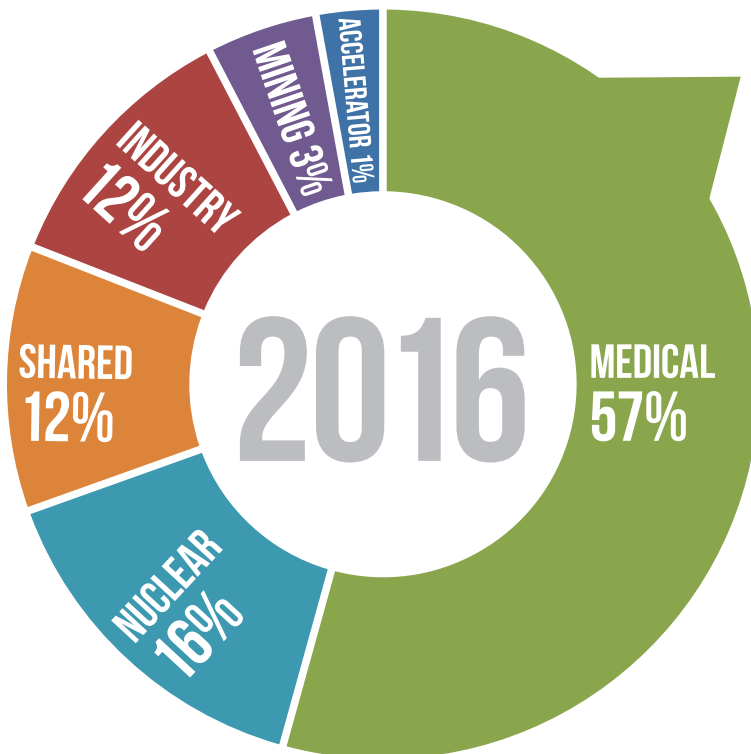
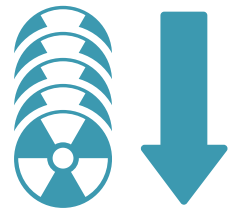


Median age of the workers:

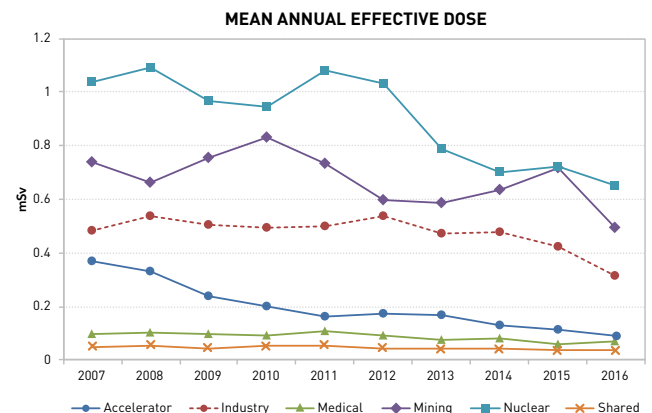
**39y, 59% were females.** Monitored workers have been categorized in 5 job sectors: Particle accelerator, Industry, Medical, Mining, Nuclear and Shared (among each sector, for example office staff).

MEAN RADIATION DOSE (2016): **0.2**  
**MILLISIEVERTS**  
(mSv)

The mean dose of ionizing radiation received by Canadian workers has been **decreasing for the past 5 years** and is at its lowest level since the first report was published in 1978.



The number of workers has increased in **2016** (compared with 2015) for the following sectors: **Particle accelerator, Medical and Nuclear**. It has decreased for these sectors: **Industry, Mining and Shared**.



The **mean annual effective dose** for each sector tends to decrease over time, with few exceptions. For **2016**, the **Medical** and **Shared** sectors had **small increases** (less than 0.01 mSv each), while the other sectors had **decreases**.

You can find the full Report on Occupational Radiation Exposures in Canada at: [http://publications.gc.ca/collections/collection\\_2018/sc-hc/H126-1-2017-eng.pdf](http://publications.gc.ca/collections/collection_2018/sc-hc/H126-1-2017-eng.pdf)



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