

Area classification for dose assessment

Group	Geographical area	Spatial resolution
1	Locations where people were evacuated in the days to months after the accident	Representative areas used for each location identified in 40 evacuation scenarios
2	Municipalities and parts of municipalities of Fukushima Prefecture not evacuated	Municipality level for external and inhalation pathways, based on the estimates for each of the 1-km grid points, averaged over the municipality Prefecture level for ingestion pathway
3	Selected prefectures (Miyagi, Tochigi, Ibaraki and Yamagata) in eastern Japan that are neighboring to Fukushima Prefecture	Municipality level for external and inhalation pathways, based on the estimates for each of the 1-km grid points, averaged over the municipality Average for the four prefectures (Miyagi, Tochigi, Ibaraki and Yamagata) for ingestion pathway
4	All remaining prefectures of Japan	Prefecture level for external and inhalation pathways Average of the rest of Japan (i.e., the 42 prefectures, excluding Fukushima, Miyagi, Tochigi, Ibaraki and Yamagata) for ingestion pathway

Public exposure radiation due to the accident differs by location, and evacuees changed their locations over time. Therefore, in the UNSCEAR 2020/2021 Report, areas were classified into four groups for assessing public exposure doses, and the targets were further narrowed down depending on the exposure pathways.

For ease of comparison with the UNSCEAR 2013 Report, the classification is basically the same. However, the neighboring prefectures in Group 3 were changed from six (Iwate, Miyagi, Ibaraki, Tochigi, Gunma, and Chiba Prefectures) for the UNSCEAR 2013 Report to four (Miyagi, Yamagata, Ibaraki, and Tochigi Prefectures). This is due to differences in the spatial coverage of the most recent radionuclide deposition density information used in the dose assessment.

[Relevant parts in the Report]

- UNSCEAR 2020/2021 Report (prepared based on Table 7 in paragraph 129 on pages 49 to 50, ANNEX B)

Included in this reference material on March 31, 2023