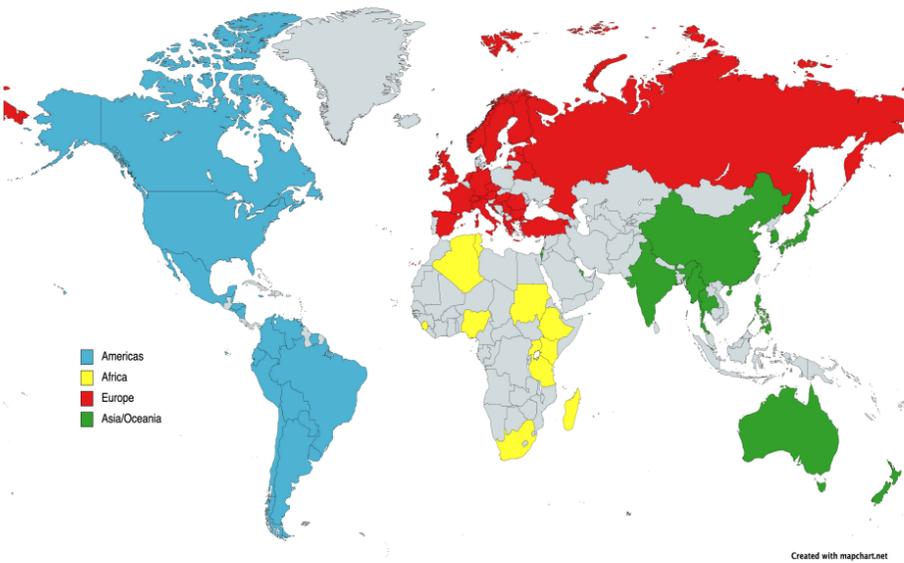


# Global Mapping of Paediatric Radiologists and Paediatric Radiology Training

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## Aims

- To establish the number of Paediatric Radiologists per country around the world
- To assess how the training of a specialist Paediatric Radiologist is defined in different countries
- To demonstrate the availability of centres offering dedicated training in Paediatric Radiology, and whether this covers all imaging modalities



## Methods

- Using WFPI members, and regional & national member societies, a survey was distributed to Paediatric Radiologists around the world. Responses were collated from 75 countries to the following questions:
  - How is a Paediatric Radiologist defined in your country, and how are they trained?
    - Dedicated 1-2 year fellowship at an accredited Paediatric Radiology centre
    - Non-standardized training after Radiology residency – an “Apprenticeship”
    - Optional training during residency (of at least 4 months)
    - A combination of the above
  - Based on this definition, how many Paediatric Radiologists are there working in your country?
  - What proportion of Paediatric studies are reported by Paediatric Radiologists?
  - How many centres are there in your country that offer formal fellowships in Paediatric Radiology? What imaging modalities are available?

## Europe

- 28 respondents – 1/28 (Belarus) has no dedicated Paediatric Radiologists
- The majority of countries have at least 1 Paediatric Radiologist per 100,000 children – the exceptions are Turkey, Germany and Albania (although countries have different definitions of the role - the first two require a fellowship)
- The proportion of Paediatric studies being reported by Paediatric Radiologists ranges from 100% (Germany) to 15% (France) - Mean = 55%

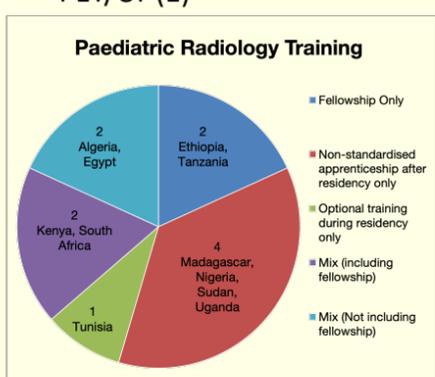
- 14 countries have centres offering dedicated fellowships
- All these offer training in Digital Radiography (DR), US, CT, Fluoroscopy & MRI. 9 countries offer training in Nuclear Medicine and 6 in PET/CT



## Africa

- 13 respondents – 2/13 (Mauritius and Sierra Leone) have no dedicated Paediatric Radiologists
- The number of children per Paediatric Radiologist ranges from 14.7 million (Ethiopia) to 400,000 (Egypt) – although countries have different definitions of the role. Ethiopia requires a 1-2 year fellowship
- The proportion of Paediatric studies being reported by Paediatric Radiologists ranges from 90% (Tunisia) to 10% (Uganda) - Mean = 40%
- Ethiopia, Sudan and South

- Africa have centres offering dedicated fellowships
- All these centres offer training in DR, US, CT & MRI. There is partial availability of Fluoroscopy (2 countries), Nuclear Medicine (1) and PET/CT (1)



## Asia/Oceania

- 14 respondents – all have dedicated Paediatric Radiologists
- The number of children per Paediatric Radiologist ranges from 16 million (India) to 40,000 (Australia and Qatar), although India requires a fellowship for the role. The majority have more than one specialist/million children.
- The proportion of Paediatric studies being reported by Paediatric Radiologists ranges from 100% (Thailand) to 5% (Myanmar) - Mean = 50%

- 12 countries have centres offering dedicated fellowships
- All of these offer training in DR, US, CT, Fluoroscopy & MRI. There is partial availability of Nuclear Medicine (11 countries) and PET/CT (9)



## The Americas

- 19 respondents – 1 has no dedicated Paediatric Radiologists (Belize)
- The number of Children per Paediatric Radiologist ranges from 1.6 million (Ecuador) to 32,000 (Uruguay). The majority of countries have more than one specialist/million children.
- The proportion of Paediatric studies being reported by Paediatric Radiologists ranges from 100% in Argentina to 5% in El Salvador – Mean = 32%
- 12 countries have centres

- offering dedicated fellowships
- All of these offer training in DR, US, CT & Fluoroscopy. There is partial availability of MRI (8 countries), Nuclear Medicine (7) and PET/CT (5)



## Key Points

- The majority of countries have specialist Paediatric Radiologists, but the numbers and level of training are highly varied
- 41 of 75 countries are able to offer dedicated fellowships, although training in some modalities is not widely available, particularly Nuclear Medicine and PET/CT

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