S4Kids Readers: Person specification

Worldwide Radiology is looking to recruit expert radiologists to interpret a paediatric chest x-ray dataset which will be used to train and validate AI algorithms for computer aided diagnosis of TB in children.

Role:	Expert Consultant
Start date:	4th January 2027
Contract:	7 months, consultancy basis
Time commitment:	Varied, 2-4 hours per week
Working pattern:	Flexible
Remuneration:	£5.50 per set of PA and Lateral films. Estimated at 500-600 sets between January and July 2027. Payment conditional on timely read-out.
Additional benefits:	Recognition in any published work arising from this project.
Application deadline:	17 November 2026

About Worldwide Radiology

Worldwide Radiology is a UK registered charity working to improve access to high-quality diagnostic imaging in low- and middle- income countries.

Working alongside hospitals, universities and health partners around the world, we develop practical, sustainable solutions that strengthen radiology services and improve patient care. Much of our work is delivered through a global network of volunteers and long-term partnerships.

About the Start4Kids Study

Children are overrepresented among TB deaths globally, due to major gaps in case detection and treatment. Chest x-ray (CXR) is an essential tool for increased and early detection of TB in adults. However, their use in paediatric patients remains challenging. Trained paediatric radiologists are scarce, and diagnostic quality CXR images from children can be harder to capture and often difficult to interpret due to their readings being subtle or non-specific.

Computer aided diagnosis (CAD) of CXR has been successfully developed for adults, with algorithms offering high sensitivity for TB related abnormalities. However, due to a lack of availability of high diagnostic quality digital CXR images and a shortage of trained radiologists to interpret them, development of paediatric algorithms has been slow. As a result, the WHO currently only recommends CAD in individuals 15 years old and above.

The availability of paediatric CXR data with a ground truth of clinically or bacteriologically confirmed pulmonary TB is essential for training and validating AI algorithms. However, such datasets are limited, especially with accurate annotations and microbiological correlations.

The Start4Kids study is part of the Start4All research consortium, working towards improving diagnostic tests for Tuberculosis in children. One of the tests under investigation is Chest X-ray with AI-enabled interpretation.

For this purpose, WWR has been contracted by the consortium to provide expert interpretation of pediatric Chest X-rays, taken from 4 study sites in Cameroon, Bangladesh, Kenya and Vietnam, and to support implementation research on the use of ultra-portable X-ray for children in primary health centres in Kenya. For more information on this study, see our website.
https://www.worldwideradiology.org/post/start4kids-improving-how-chest-x-ray-is-used-to-diagnose-tuberculosis-in-children

Deliverables

- Timely interpretation of up to 600 paediatric CXRS between January and July 2027. Cases will be allocated on a weekly basis and interpretations should be submitted within 7 days.
- Participate in an introductory session in January 2027, and 2-3 sessions thereafter between February and July 2027.

Person specification

- Specialist radiologist with at least 3 years of experience in paediatric TB CXR reporting
- Full working proficiency in English
- Experience with Digital Cloud based reporting platforms

Additional requirements

- Be able to provide proof of qualifications and medical license.
- Have access to a computer and reliable internet connection to be able to view and read images and engage in online training and discussions.
- Be available for an online induction training session in January 2027 (exact timing is negotiable) and 2-3 meetings between February and July 2027.

How to apply

- Complete the application form located here: https://forms.gle/2yFpW6C4f4bZUBjq7

If you require any further information or have any questions relating to this role or your application, please email admin@worlwideradiology.org