



School Eye Health Rapid Assessment

Enhancing school eye health planning, powered by Peek



WHY IT IS NEEDED?

We don't know how many children worldwide have problems with their eyesight. The best estimates suggest that globally, almost 450 million children need glasses¹ and around two million are blind². Short-sightedness (myopia) in children is rapidly increasing in many parts of the world.

To learn effectively, children need to be able to see clearly. Children with poor eyesight in low- and middle-income countries are up to five times less likely to be in formal education³.

To combat this, eye health providers across the world run school eye health programmes that

find and treat children who need access to eye care. But they are hampered by the scarcity of reliable information about children's eye health needs. It's challenging to run effective school eye health programmes when providers have little or no reliable information on the profile of children's eye health needs in their region.

1. Holden BA, Fricke TR, Wilson DA, et al. Global Prevalence of Myopia and High Myopia and Temporal Trends from 2000 through 2050. *Ophthalmology* 2016;123:1036–42. doi:10.1016/j.ophtha.2016.01.006
2. Bourne R, Steinmetz JD, Flaxman S, et al. Trends in prevalence of blindness and distance and near vision impairment over 30 years: an analysis for the Global Burden of Disease Study. *The Lancet Global Health* Published Online First: 5 January 2021. doi:10.1016/S2214-109X(20)30425-3
3. Kuper H, Dok AM, Wing K, Danquah L, Evans J, Zuurmond M, et al. The Impact of Disability on the Lives of Children; Cross-Sectional Data Including 8,900 Children with Disabilities and 898,834 Children without Disabilities across 30 Countries. *PLOS ONE*. 2014 Sep 9;9(9):e107300.



How it works

SEHRA has two components:

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- ✗ —
- ✓ —

The **Scoping module** provides a series of structured questions and desk-based research tasks to help evaluate readiness to create a school eye health programme.

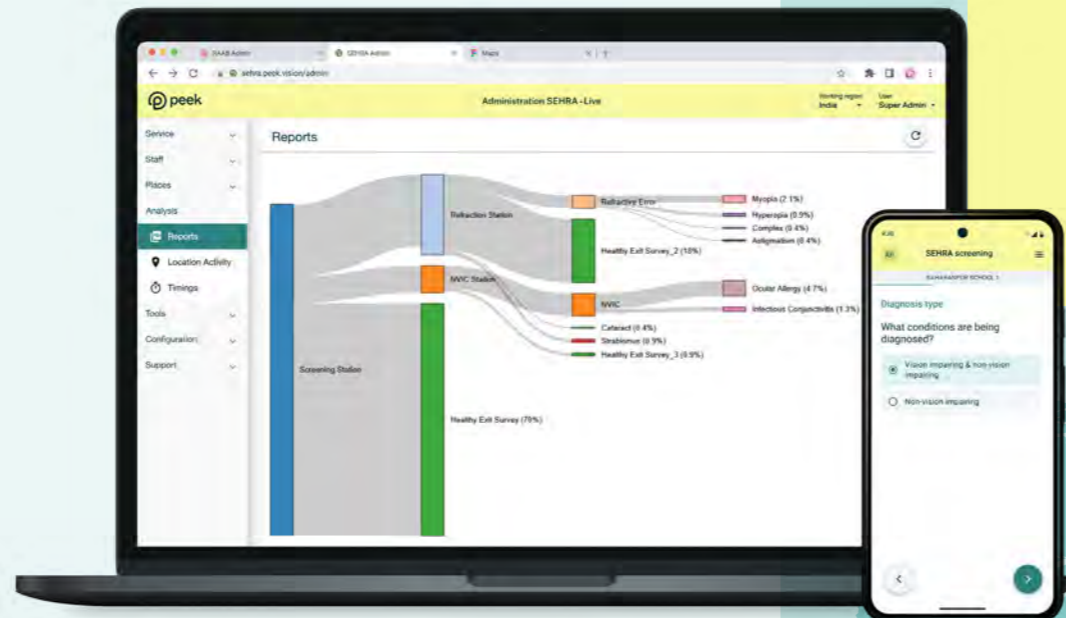


The **Magnitude module** uses a rapid sampling methodology to provide an accurate estimate of the eye health needs of school-going children in a given district or region to support planning school eye health programmes. Data is captured via smartphones or tablets using Peek's tried-and-tested app and results are analysed using Peek's powerful data intelligence platform.

Introducing SEHRA

SEHRA (School Eye Health Rapid Assessment) is a new tool developed by Peek Vision. Using robust statistical methods developed by eye health experts, it employs Peek's award-winning software for data collection and analysis.

SEHRA helps school eye health programmes to:

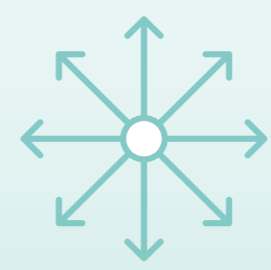


Who it is for

Eye health NGOs, Ministries of Health and private eye health providers are all using SEHRA to better understand children's eye health needs in the regions that they serve.



Plan
Ensuring programmes are in the right place at the right time



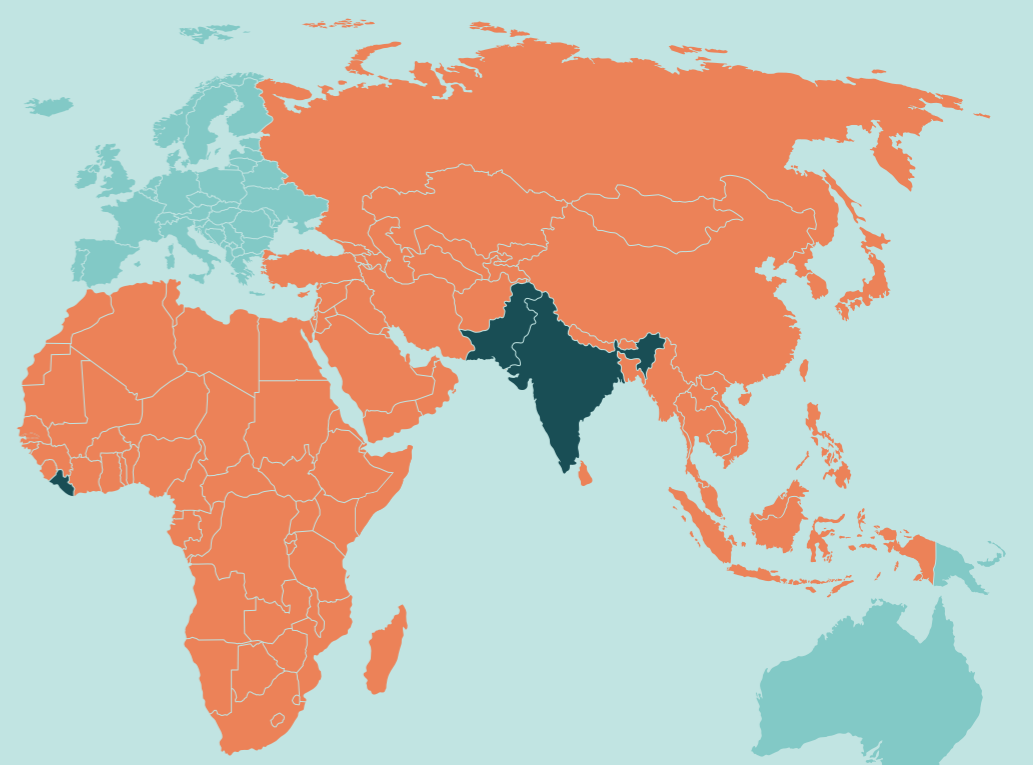
Implement
Enabling effective use of limited resources and providing an evidence base for fundraising efforts



Monitor
Providing a baseline to track programme performance and identify emerging issues

Where it is being used

- The first SEHRAs have now been piloted in India, Liberia and Pakistan.
- Further pilots are planned across Asia and Africa.



Following completion, SEHRA will be made more widely available via the Peek platform.



CASE STUDY: School eye health in Liberia

Leading eye health NGO Sightsavers worked with Peek to conduct a SEHRA in Maryland county, Liberia, in December 2023. The survey was conducted by a core team of Sightsavers staff with training and analysis support provided by Peek Vision. The Scoping module results outline the salient features of school eye health in the region, including relevant government involvement and referral pathways. It also identifies opportunities for optimisation, such as how referral data and eye health indicators are recorded. The magnitude module provides robust estimates to effectively plan a county-wide school eye health programme, shedding light on the funds, resources and partnerships that will be needed. Other key findings include the proportion of children for whom ready-made spectacles would be suitable and the expected levels of refractive (optometrist) and hospital services.

“ The Peek-powered SEHRA tool has provided us with invaluable data to help us scale our School Health Integrated Programme in Liberia more effectively. We welcome this new tool, which assists in designing, planning, implementing, and monitoring a school eye health programme to ensure that every child has access to the vision care they need to lead a productive and fulfilling life.”

Sumrana Yasmin, Deputy Technical Director for Eye Health, Sightsavers

How to get involved

After two years of development and four pilot studies, SEHRA launched in 2023. SEHRAs have since been completed or are being planned in around 20 locations worldwide. If you are interested in conducting a SEHRA, please contact partnerships@peekvision.org.

About Peek Vision

Peek is a not-for-profit social enterprise, wholly owned by a charitable foundation. More than just a software provider, we are eye health experts who support programmes & programme teams from planning through to evaluation. Peek works with NGOs and governments to bring vision and eye health to everyone. Together, we use the power of data to optimise school, community and workplace eye health programmes.



Learn more about
SEHRA on our website

peekvision.org

To find out more please contact:
enquiries@peekvision.org