seva.org
Transforming lives by restoring sight.

Assessing Impact
Data Management and Analysis Internship SOW

Location: Remote
Time Period: Estimate 10 hours per week for 12 weeks

BACKGROUND

Seva is a global nonprofit eye care organization that transforms lives and strengthens communities by restoring sight and preventing blindness. We train local eye care providers and develop self-sustaining eye programs around the world. Together we provide critical eye care to underserved communities, especially women, children, and indigenous peoples. Seva has helped 5 million blind people regain their sight in more than 20 countries.

Seva works with more than 100 eye clinics around the world as part of the Global Sight Initiative (GSI). This network partners with hospitals to improve their eye care delivery and provision of quality care. Hospitals in the GSI network see 3 million people annually. Seva seeks a person with data analysis and public health understanding to make a difference in how to more effectively provide eye care in these hospitals. The successful candidate will help manage the data being reported from our partner hospitals, analyze data reported, and identify data trends and provide insight on implications.

There are three main components to the project:
1. Develop a new Power BI dashboard for Seva-supported vision centers
2. Develop a new Power BI dashboard for Seva-supported pediatric eye care programs
3. Analyze data and answer key learning questions, contributing to the construction of data models and visualizations of metrics, using Microsoft Power BI

This internship allows someone to fuel their curiosity about how data can be used to inform hospital management decisions. The intern will have the opportunity to learn about or build upon their knowledge of data analysis and business intelligence.

The final analysis and project recommendations will be presented to Seva's senior staff. The intern will also have the chance to regularly participate in staff meetings and to learn more about the day-to-day operations of Seva. By the end of the internship, the intern will have at least one stand-alone project that can be included in their professional portfolio.

SCOPE OF WORK

Seva seeks a candidate with experience in data science and analysis to develop Power BI dashboards and analyze programmatic data for Seva Foundation.

Objective 1: Develop a Power BI Dashboard for Vision Centers
Taking on board feedback from Seva program staff and Seva partners, develop a dashboard in Power BI to reflect vision center data by country and partner over time. Dashboard metrics could include: patients receiving eye exams, glasses, and surgeries; patients referred to the hospital; no. of telemedicine exams.

Objective 2: Develop a Power BI Dashboard for Pediatric Eye Care
Taking on board feedback from Seva program staff and Seva partners, develop a dashboard in Power BI to reflect pediatric eye care data by country and partner over time. Dashboard metrics could include: children receiving eye exams, glasses, and surgeries at the hospital level; children receiving eye screenings and glasses at outreach events; children referred to the hospital from an outreach event

Objective 3: Analyze data and answer key learning questions, contributing to the construction of data models and visualizations of metrics, using Microsoft Power BI
Bring your analytical interests into Objective 3 by exploring Seva's partner data. Using statistical software, analyze thousands of rows of data to find interesting trends. Throughout the course of the internship, explore and answer at least one key programmatic question that helps to demonstrate impact and inform program decisions. The internship will culminate with a presentation to Seva's senior staff on data trends and implications on Seva's programming and partners.

QUALIFICATIONS
- Student studying public health and/or data science
- High level of experience and familiarity with data analysis tools (Excel and Power BI or Tableau, statistical software such as R, Python, SAS, STATA, or SPSS a plus)
- Familiarity with hospital systems and public healthcare delivery desirable but not required

PAYMENT
There is a stipend associated with this internship.

APPLICATION PROCESS
Please submit your cover letter and resume to internship@seva.org.