Preventing Blindness from Diabetic Retinopathy

**Impact made by the project**
From 2009 to 2012, Helen Keller International (HKI), working in collaboration with Cipto Mangunkusumo Hospital (RSCM) in Jakarta, has successfully established a diabetic retinopathy (DR) screening, grading and treatment program that has increased the availability and quality of eye care services for patients with diabetes in Jakarta and its surrounding areas.

**Sustainability**
In late May 2012, HKI presented the program and its achievements to the RSCM’s board of directors and they were convinced that the program was to continue. RSCM prepared budgets for the costs of the program for incorporation into routine services.

**Local engagement by Standard Chartered Bank**
SCB staff were involved in volunteering events and were involved in launch and dissemination events.

**Main objectives for the project:**
- To increase awareness and knowledge of DR among people with diabetes, to identify those requiring closer follow-up or treatment, and to support long-term compliance with care;
- To raise the awareness and knowledge of health care professionals about the need for regular vision-saving examinations among people with diabetes;
- To improve the technical capacity and skills of health care professionals and institutions treating people with DR.

### Diabetic Retinopathy screening and treatment

**SiB contributed towards...**  
Training of 78 general practitioners on DR screening
Training of five graders at RSCM to screen retinal images
Training of 23 ophthalmologists in laser treatment

**Leading to...**  
4,315 people with diabetes screened for DR
993 people with diabetes identified with DR, of whom 251 received treatment. The remaining remained under observation as their DR did not require treatment

**Therefore impacting...**  
Staff at RSCM now have the capacity to provide vision-saving treatment to those who need them.
## SiB Project

**Implementing partner:** Helen Keller International  
**Total Budget:** USD 271,281  
**SiB contribution:** USD 217,023  
**Project Duration:** 2009 – 2012  
**Location:** Jakarta

### Situation analysis

**Target Population:** 8 million adults in Jakarta.  
**Blindness Prevalence:** 10% of adults in Jakarta may have diabetes.

### Key learning from the HKI Indonesia final report:

Uptake of DR screening services can be improved by increasing the availability of services closer to communities. This would require intensifying patient and doctor education efforts to improve awareness on the eye health consequences of diabetes and DR. In the future, HKI will develop new models for increasing screening services from the primary level to increase access to vision-saving care and treatment.

### Key service delivery increase

- **Awareness raising activities** among more than 23 million people about DR  
- **193 health workers trained** in awareness raising for people with diabetes  
- **300 diabetologists, and endocrinologists trained** in the potential eye health consequences of diabetes  

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<tr>
<th>SiB contributed towards...</th>
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<tbody>
<tr>
<td>Awareness raising activities among more than 23 million people about DR</td>
<td>People have better knowledge about the importance of DR screening for people with diabetes</td>
<td>Improved knowledge of eye health among people in the community</td>
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<tr>
<td>193 health workers trained in awareness raising for people with diabetes</td>
<td>3,200 people with diabetes informed about the risk of DR &amp; importance of regular eye check ups</td>
<td>People with diabetes now have better access to referral from diabetes specialists to eye care specialists</td>
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<td>300 diabetologists, and endocrinologists trained in the potential eye health consequences of diabetes</td>
<td>Diabetologists, and endocrinologists more aware of referring diabetic patient for eye screening</td>
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RSCM now has a routine program for screening people with diabetes from the endocrinology clinic.  

### 251 adults received vision-saving treatment for their DR.