Blindness Prevention, Vision Restoration & eHealth Programme

Anonymized project profile

Lean hub-and-spoke ophthalmology programme with screening, treatment, automated recall and digital dashboards.

This anonymized case study is prepared for website publication and downloadable business case use. Client names, country identifiers, and location-specific references have been removed or generalized.

USD 4.01M optimized year 1 funding	USD 1.59M year 1 saving	17-18 FTE core team
30-45K year 1 digital registrations	13 months full launch	USD 879.6K annual subsidy after recovery

Executive summary

A national blindness-prevention programme concept addressing cataract, diabetic retinopathy, glaucoma, keratoconus and refractive error through a hospital-based treatment hub, screening spokes, teleophthalmology and an automation-driven eHealth layer.

Project scope

- Hub-and-spoke blindness-prevention and vision-restoration programme using an existing hospital as central treatment hub.
- Screening spokes in diabetes clinics, schools, primary care, employer clinics and mobile units.
- eHealth layer for registration, triage, recall, teleophthalmology review, stock alerts and executive dashboards.

Project volume

- Year 1 targets: 1,200-1,500 cataract surgeries; 12,000-18,000 diabetic-eye screenings; 700-1,000 retinal treatments.
- Additional Year 1 targets: 5,000-7,500 glaucoma screenings; 3,000-5,000 keratoconus screenings; 20,000-30,000 school/workforce screenings.
- Year 3 scale target: 100,000-150,000 digitally registered patients.

Duration

- Thirteen months to full launch.
- Months 1-2: approval and setup.
- Months 3-7: planning, procurement and build.
- Months 8-12: installation, training and soft launch.

- Month 13 onward: full operations and quarterly audit.

Budget

- Optimized Year 1 funding request: USD 4,013,800.
- Capital expenditure: USD 2,554,200.
- Annual operating cost: USD 1,459,600.
- Identified annual cost recovery: USD 580,000.
- Five-year cost: USD 9.9M versus USD 16.8M original model.

Expected results

- National pathway for avoidable blindness reduction.
- Automated recall and registry system to reduce loss to follow-up.
- Lean staffing enabled by automation instead of manual administration.
- Measurable screening, treatment, outcome and equipment-uptime reporting.

Publication note

This business case is anonymized for external use. Client names, country names and location-specific details have been removed. Figures are based on the original project material and should be confirmed before commercial publication.