The Cost Utility of Eye Care and the ICO Advocacy Program

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Luncheon for Advocates
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The Extent of the Problem

- Worldwide there are 161 million people with vision impairment due to eye disease:
  - 37 million blind
  - 124 million with low vision
- Plus 153 million with uncorrected refractive error......
  Total 314 million people

- Burden of blindness greatest in the least developed regions of the globe.
- Global vision loss is certain to increase, particularly in developing countries, unless concerted action is taken.
The Extent of the Problem 2

- Government does not give eye care high priority
- Eye care competes with every other health issue
- Health competes with every other government issue
- To be successful you have to talk their language so they will understand you.
Blindness - 50,000 Australians

- Refractive Error: 48%
- Macular Degeneration: 14%
- Cataract: 12%
- Glaucoma: 10%
- Diabetes and other Retinal: 8%
- Neuro-ophthalmic: 4%
- Neuro-ophthalmic: 3%
- Retinitis Pigmentosa: 2%
- Others: 1.5%
- Others: 1%
Vision Impairment - 480,000

- Refractive Error: 62%
- AMD: 10%
- Glaucoma: 14%
- Cataract: 3%
- Diabetic Retinopathy: 2%
- Other Retinal: 2%
- Neuro-ophthalmic: 4%
- Other: 3%

International Council of Ophthalmology
Years of Life Lost to Disability (YLD)

- Depression
- Dementia
- Asthma
- Osteoarthritis
- CHD
- Type 2 Diabetes
- Vision disorders
- Oral health
- Breast cancer
- Prostate cancer
- Melanoma
- HIV/AIDS

YLD as percent of total YLD

0%  2%  4%  6%  8%  
Clear Insight 2005
Total Costs of Vision Disorders
Australia, 2004

Total $9.85bn

- Loss of Well-being $4,818m
- Hospital $692m
  - Out-of-hospital medical $406m
  - Other health costs $726m
- Aids, other indirect $371m
- Carers $845m
- Transfer DWLs $208m
- Lost income $1,781m

Direct Costs $1,824m
Indirect Costs $3,224m

Clear Insight 2004
1. Prevent the diseases we can prevent

Appropriately resourced, long-term eye health promotion initiatives to reduce avoidable vision loss
2. Treat the diseases we can treat

Adequate funding for eye care services for treatable conditions and for low vision support services
3. More Research

A substantial increase in funding for research into causes of vision loss and blindness that at present cannot be prevented or treated
### Eye Care Intervention Package

#### 2005-6

<table>
<thead>
<tr>
<th>Cost</th>
<th>$188.8m</th>
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<tbody>
<tr>
<td>Net benefit</td>
<td>$-25.7m</td>
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<tr>
<td>Total Savings</td>
<td>$911m</td>
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</table>

**x4.8**

#### Lifetime

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Net benefit</td>
<td>$662m</td>
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<tr>
<td>Total Savings</td>
<td>$10,016m</td>
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</tbody>
</table>

**x6.2**

*Investing in Sight 2005*
Australian National Eye Health Framework

Key Areas for Action

1. Reducing the risk
2. Increasing early detection
3. Improving access to eye care services
4. Improving the systems and quality of care
5. Improving the evidence base
Australian Government Funding

- 2006 $14.5 million for eye health promotion
- 2006 $920,000 for trachoma
- $12 million for outreach services
- 2008 $45 million for Vision 2020 in Pacific Region
Global Blindness by Cause

1995, 45 million

- Cataract: 42%
- Trachoma: 15%
- Glaucoma: 14%
- Others: 28%
- Oncho.: 1%

2002, 37 million

- Cataract: 45%
- Trachoma: 4%
- Glaucoma: 13%
- Other: 14%
- AMD: 9%
- ChBl: 4%
- DR: 5%
- CO: 5%
- Oncho.: 1%
Global Burden Of Disease

Perinatal Condition
Lower Respiratory Infection
Ischaemic Heart Disease
Cerebro-Vascular Disease
HIV/AIDS
Eye Conditions (include DRN)
Diarrhoeal Disease
Unipolar Depressive Disorders
Malaria
Ch Obstructive Pulmonary Disease
TB
Road Traffic Injuries

Percentage

Chiang et al Lancet 2006
Global Blindness

International Council of Ophthalmology

millions


30 38 50 60 90

25 40 25

0 25 50 75 100
VISION 2020 Partnerships

International Council of Ophthalmology

WHO
Technical Assistance

IAPB
Capacity Building

National Partners - National Vision 2020 Plans
Sustainable program delivery
National ophthalmologic societies actively support VISION 2020 in their countries.

- Participate in VISION 2020 workshops
- National society join the National VISION 2020 Committee.
- Presentation at annual Congress about VISION 2020 and how ophthalmologists can help.
- Work with the National VISION 2020 Coordinator on:
  - Including Vision in the “Country Cooperation Strategy” (CCS)
  - Advocate for more resources for VISION 2020 nationally.
- Collaborate with the Regional IAPB offices and coordinators on advocacy needs and tools.
Advocacy Messages

- Vision loss is common, and increasing
- It is the 6th or 7th leading cause of disability
- 75% is preventable or curable
- Preventing vision loss is very cost effective
- The world has agreed on the Vision 2020 goal, “The Right to Sight for All”
- Eye care needs to be prioritised and funded
- Working in partnership we can achieve this