NEPAL NETRA JYOTI SANGH
National Society For Comprehensive Eye Care

PROFILE
The Message From Chairman...

NEPAL NETRA JYOTI SANGH (NNJS), established in 1976 with a mission to develop and provide high quality, sustainable, comprehensive and affordable eye care service network in the country by identifying and mobilizing local, national and international resources and to attain multi-sectoral partnership in order to provide eye care services to all segments of population without any discrimination, by maintaining care value of equity, efficiency and excellence in eye care service in the country, is now a prominent organization providing comprehensive eye care services throughout the nation.

With 17 eye hospitals, 59 eye care centers and 28 district branches around the nation, NNJS and its eye care service network provide primary eye care services affordable by the general public. The organization does not only provide these services, but it also trains eye care professionals at all levels to develop adequate human resources required in these hospitals and eye care centers.

It gives me immense pleasure to state that the prevalence of blindness has declined from 0.84% to 0.35% (1986/86 to 2010). The eye care network of NNJS performs thousands of cataract surgery (including international patients) in a year and we are at the verge of eliminating trachoma from the nation. Champalimaud Foundation awarded the organization with Champalimaud Foundation Vision Award the for its untiring efforts and outstanding contribution in reducing prevalence of avoidable blindness and promoting eye health care in the public. This, however, is not the end. Now, we strive to address emerging problems like diabetic retinopathy and hypertensive retinopathy. With new challenges we are dedicated to further develop the eye care services available within the network. NNJS also strives to increase its representation at an international level. A milestone for this has been recently realized as NNJS has been represented as one of the Board of Trustees of International Agency for Prevention of Blindness. We take this as an opportunity for the organization to voice its opinions in the international level and contribute to shape policies for betterment of eye health not only in Nepal but in the region itself.

Support from various national and international organizations, the Ministry of Health and Population, dedication of all those associated in the eye care network, efforts of the social workers has helped NNJS persist as the leading organization in the field of eye health in Nepal. I appreciate all those whose direct or indirect presence has helped NNJS realize its objective. Your support and good wishes provides us the energy to go on and overcome any hurdles.

Anticipating the same for the days to come.

Prof. Dr. Tiltha Prasad Mishra
Chairman
Central Executive Committee

Prof. Dr. Tirtha Prasad Mishra  Chairman
Dr. Chet Raj Pant  Vice-Chairman
Mr. Shyam Kumar Pokharel  Secretary General
Mr. Bamdev Khanal  Treasurer
Mr. Bharat Bahadur Chand  Secretary
Mrs. Manju Kandel  Co-Treasurer
Mr. Hari Prasad Sharma  Member & Spokesperson
Ms. Narbada Sharma  Member
Mr. Chakor Man Shakya  Member
Mr. Dron Prasad Guragain  Member
Mr. Bishnu Datta Joshi  Member
Mr. Padam Narayan Chaudhary  Member
Mr. Sagar Pratap Rana  Member
Mr. Prem Bahadur Shahi  Member
Mrs. Bhagawati Sharma  Member
Mr. Chakra Bahadur Singh  Member
Prof. Dr. Dil Bahadur Chhetry  Member
Mr. Gopal Bahadur Singh  Member
Mrs. Ranjana Pokhrel  Member
Dr. Ramesh Bahadur Pradhan  Member
Global Scenario of Blindness & Visual Impairment

- About 285 million people are visually impaired worldwide; 39 million are blind.
- 246 million have low vision (severe or moderate visual impairment). Preventable causes are as high as 80% of the total global visual impairment burden.
- About 90% of the world’s visually impaired people live in developing countries.
- Globally, uncorrected refractive errors are the main cause of visual impairment.
- Cataract is the leading cause of blindness.
- 65% of visually impaired and 82% of blind people are over 50 years ago, although this age group comprises only 20% of the world population.

Top Causes of Visual Impairment:

- Refractive errors,
- Cataracts &
- Glaucoma

Top Causes of Blindness:

- Cataracts,
- Glaucoma &
- Age-related macular degeneration
- The number of people visually impaired from infectious diseases has greatly reduced in the last 20 years.

Blindness and Visual Impairment in Nepal:
Facts and Figures

- There are estimated 93,400 blind and over 2,80,000 people with low vision in Nepal.
- There are over 4100 blind children & about three times more children with low vision in Nepal.
- In 2011, approximately 50% of those needing eye care actually accessed the service.

The major seasons of Nepal are – Winter (December-February), Spring (March-May), Summer (June-August) and Autumn (September-November).

Brief About Nepal

Nepal, the country of high Himalayas, majestic mountains, strange wildlife and diverse cultures with unique landscape, stretching from the pinnacle of Mt. Everest to the lower lands of Terai is long identify as the birth place of Lord Buddha. Roughly rectangular in shape, Nepal is sandwiched between China in the north and India in the South. The length of the country is approximately 885 kms from east to west, and breadth, 193 km north to south. The total area of the country is 147,197 sq.km. Kathmandu is the capital city of Nepal.

Basically many visitors come to this country seeking yetis, some for tigers, some are in search of nirvana and many come to trek on ancient trail. Nepal is rich in terms of bio-diversity due to its unique geographical location and its variation in altitude. Within a distance of 150km, the elevation of the country ranges from 60 meters above the sea level to the highest point on earth i.e. Mt. Everest (8,848m).
Due to its altitudinal variation, the climate here is also diverse in nature ranging from sub-tropical to arctic. Although it has occupied only 1% of the earth it is a home for 2% of all the flowering plants in the world, 4% of mammals on the earth, 600 indigenous plant families and 845 of the world’s birds population and 319 species of exotic orchids.

The national language of Nepal is Nepali, however; the people engaged in travel-trade understand and speak English fluently. The currency of Nepal is Nepali Rupees. No doubt, Nepal can be visited the whole year round.
The NNJS encompasses its co-operations towards the solicitation and fulfillment of National Program and Policies of Government of Nepal aimed at the wellbeing of the eye patients.

Our History

A group of 9 self-motivated and whole-hearted individuals, comprising social workers, physicians, industrialists and traders came together in Kathmandu and turned their serious attention to a national cause and the issue of eye care of the public.

This enthusiasm and generosity of these individuals for the promotion of eye health care lead to the establishment of Nepal Netra Jyoti Sangh. It was time-honored in 1978 as a National Society for Comprehensive Eye Care under the Health Co-ordination Committee of the Social Services National Co-ordination Council. Later it was reinforced in 1980 as a full-fledged non-governmental social welfare organization dedicated to expedite a serene approach to deliver all the potential facilities with regard to the treatment of eye patients in Nepal.

The NNJS encompasses its co-operations towards the solicitation and fulfillment of National Program and Policies of Government of Nepal aimed at the wellbeing of the eye patients. The NNJS is a non-profit making, non-governmental, welfare oriented social organization to represent Government of Nepal and the Social Welfare Council of Nepal in the sphere of eye care activities.

Mission

To advance and offer high quality, feasible, comprehensive and inexpensive eye care service network in the country by ascertaining and mobilizing local, national and international resources and to achieve multi-sector partnership in order to provide eye care to all divisions of population without any discrimination, by maintaining core value of equity, efficiency and excellence in eye care service in the country.

Objectives

To decline the avoidable blindness below 0.2% prevalence rate by clearing the backlog.

To reduce incidence rate of preventable blindness by creating awareness in eye health and appropriate health seeking behaviors.

To develop extensive network of eye care infrastructures enabling more accessible, comprehensive and affordable service.

To craft human resources in eye care.

To institute International linkage keeping update the indigenous technology with recent development and advancement in eye care.

To establish quality assurance system in eye care service delivery system.
Partners

INGOs
Seva Foundation, California, USA,
Christoffel Blindenmission, Germany
Eye Care Foundation, Haarlem, the Netherlands
AOCA and Nippon 24 Hours TV, Osaka, Japan
JICA, Japan
Norwegian Church Aid, Oslo, Norway
ORBIS international, USA
Light for the world, The Netherlands
HelpMeSee, USA
Seva Canada Society, Vancouver, Canada
Norwegian Association of Blind and Partially Sighted (NABP),
Oslo, Norway
INFIL Foundation, Norway
Johns Hopkins University, Baltimore, USA
International Trachoma Initiative (ITI), New York, USA
Heilen Keller International, USA
Swiss Red Cross
RTI International (Neglected Tropical Disease Program)
Help Age International
USAID
Distressed Children & Infants International, USA

Supporting Country
Government of India
Availabilty of eye care services as of 2014

NNJS Branches

Nepal Netra Jyoti Sangh, Kaski Branch, Pokhara, 061-531375
Nepal Netra Jyoti Sangh, Sankhuwashabha Branch, Khandbari, 029-560161
Nepal Netra Jyoti Sangh, Bhojpur Branch, Bhojpur, 029-420218
Nepal Netra Jyoti Sangh, Morang Branch, Biratnagar, 021-524031
Nepal Netra Jyoti Sangh, Dhankuta Branch, Dhankuta, 026-521418
Nepal Netra Jyoti Sangh, Siraha Branch, Lahan, 033-560240
Nepal Netra Jyoti Sangh, Arghakhachi Branch, Sandikharka, 077-420165
Nepal Netra Jyoti Sangh, Parsa Branch, Birgunj, 051-521336
Nepal Netra Jyoti Sangh, Chitwan Branch, Bharatpur, 056-520333
Nepal Netra Jyoti Sangh, Nawalparasi Branch, Parasi, 078-539512
Nepal Netra Jyoti Sangh, Baglung Branch, Baglung, 068-522285
Nepal Netra Jyoti Sangh, Rupandehi Branch, Bharahawa, 071-520555
Nepal Netra Jyoti Sangh, Palpa Branch, Tansen, 075-520333
Nepal Netra Jyoti Sangh, Gulmi Branch, Gulmi, 079-520129
Nepal Netra Jyoti Sangh, Dang Branch, Tulsipur, 082-520037
Nepal Netra Jyoti Sangh, Banke Branch, Nepalgunj, 081-520059
Nepal Netra Jyoti Sangh, Kailali Branch, Dhangadi, 091-521024
Nepal Netra Jyoti Sangh, Baitadi Branch, Baitadi, 091-524683
Nepal Netra Jyoti Sangh, Kulikot Branch, Kulikot, 087-440124
Nepal Netra Jyoti Sangh, Jumla Branch, Jumla, 087-520025
Nepal Netra Jyoti Sangh, Pyuthan Branch, Pyuthan, 086-420103
Nepal Netra Jyoti Sangh, Taplejung Branch, Taplejung, 024-460204
Nepal Netra Jyoti Sangh, Khotang Branch, Khotang, 036-420039
Nepal Netra Jyoti Sangh, Kapilvastu Branch, Taupaliha, 076-560152
Nepal Netra Jyoti Sangh, Rautahat Branch, Gaur, 055-520619

NNJS Eye Care Centres

Eye care centre, Darchula 093-420204
Eye care centre, Gothalapani, Baitadi 095-520100
Eye care centre, Patan, Baitadi 9843095704
Eye care centre, Dadeidhura 096-420919
Eye care centre, Bajhang 092-421148
Eye care centre, Martadi, Bajura 097-541218
Eye care centre, Silgadi, Doti 064-420067
Eye care centre, Achham, Safepagar 097-625115
Distribution of Blindness PVA <6/60

Eye care centre, Dhangadi, Kailali 091-523211
Eye care centre, Tikapur, Kailali 091-560961
Eye care centre, Simikot, Humla 9846213178
Eye care centre, Gangadi, Mugu 9846318112
Eye care centre, Manma, Kalikot 087-440124
Eye care centre, Jufal, Dolpa 9848444597
Eye care centre, Khelanga, Jumla 067-520032
Eye care centre, Sansor, Bardia 9846444614
Eye care centre, Salle, Rukum 088-530285
Eye care centre, Silnagar, Salyan 088-400168
Eye care centre, Ghorahi, Dang 082-560246
Eye care centre, Bijuban, Pyuthan 086-460160
Eye care centre, Baglung 9844083692
Eye care centre, Beni, Myagdi 069-520991
Eye care centre, Resung, Gulmi 079-520232
Eye care centre, Wami talwar, Gulmi 9747029257
Eye care centre, Mehe Kuna, Surkhet
Eye care centre, Dullu, Dallek

Eye care centre, Sandikharka, Argakhanchi, 077-420201
Eye care centre, Kusma, Parbat 9846135270
Eye care centre, Walling, Syangja 9806536167
Eye care centre, Rampur, Palpa 075-401085
Eye care centre, Taulihawa, Kapilvastu 076-560953
Eye care centre, Kawasoti, Nawalparasi, 9847542304
Cheeji Kumar Bishnu Kumar Shrestha Bharatpur, 056-522750
Eye care centre, Salyantar, Dhading 9844783579
Eye care centre, Gorkha 9856040303
Eye care centre, Besisahar, Lamjung 9805806332
Eye care centre, Damauli, Tanahu 065-562762
Eye care centre, Parsa bazar, Chitwan 9806717448
Eye care centre, Madi 9845703077
Eye care centre, Nilgadhi, Bara 053-540328
Eye care centre, Kalaiya, Bara 053-550125
Eye care centre, Simara 053-521535
Eye care centre, Chandranighapur, Rautahat, 9819987786

Eye care centre, Siraha 9743075842
Eye care centre, Malangawa, Sarlahi 046-520854
Eye care centre, Harion, Sarlahi 046-530135
Eye care centre, Barathahawa, Sarlahi 9847542018
Eye care centre, Mirchaya, Siraha 9743076116
Eye care centre, Bhopur 029-420478
Eye care centre, Khadbari, Sankhuwasabha 029-560961
Eye care centre, Myanglung, Tehrihun 026-460571
Eye care centre, Rangoli, Morang 021-580566
Eye care centre, Rajbiraj, Saptari 031-521588
Eye care centre, Gaighat, Udaypur 035-520785
Eye care centre, Katari, Udaypur 9842841731
Eye care centre, Haliesh, Khotang 9842842014
Eye care centre, Diktel, Khotang 9842853249
Eye care centre, Taplejung 024-460977
Eye care centre, Ilam 9842717011
Service delivered through NNJS Eye Hospitals 2014

Sagarmatha Choudhary Eye Hospital

Sagarmatha Choudhary Eye Hospital (SCEH), Lahan, established as small eye care unit 30 years ago. Today is a high volume treatment centre, which provides high quality of comprehensive eye care services at an affordable cost to the huge population of eastern Nepal and northern India. SCEH has opened its branch hospital in Biratnagar with the name Biratnagar Eye Hospital.

Lahan-3, Siraha, Nepal
Tel: +977-33-560402, 560491 Fax: +977-33-560492
E-mail: scen@erec-p.org

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<tr>
<th>Total OPD</th>
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<tbody>
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Biratnagar Eye Hospital

In recent years, Biratnagar Eye Hospital Biratnagar, has progressed rapidly into a widely well recognized eye hospital, fulfilling its main objective of delivering affordable high quality comprehensive ophthalmic services mainly giving priority to the economically poor and underprivileged people of the community.

Biratnagar-17, Ranj, East of Police Training Center, Morang
Tel: +977-21-436358, Fax: +977-21-436359
E-mail: beh@erec-p.org
URL: www.erec-p.org

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Gaur Eye Hospital

Realising that temporary eye camp was not sufficient to cater the eye patients in this district, a permanent eye health service provider was felt necessary. Thus Dr. Itaru Kurozumi, (the then chair person of AOCA - Japan) took commendable initiative to establish this eye hospital at Gaur.

Purenwa, Gaur, Rautahat, Narayani Zone
Tel: +977-55-520039 Fax: +977-55-520019
E-mail: info.geh@gmail.com

| Total OPD | 1,07,866 |
| Total Surgery | 13,293 |

RM Kedia Eye Hospital

RM Kedia Eye Hospital was established in 1975 AD by Kedia Seva Trust and is presently running under NNJS. This eye hospital is situated at Bahual, Parwanipur which is 13 Kilometers away from Indo-Nepal border with easy transportation facility. Since 1988, AOCA, and 24 Hours Television Charity Committee of Japan is helping RM Kedia Eye Hospital by providing equipments, infrastructure development, etc.

Parwanipur, Bara, Nepal
Tel: +977-51-621560
E-mail: info@kediaeyes.org

| Total OPD | 1,32,822 |
| Total Surgery | 19,914 |

Bharatpur Eye Hospital

Bharatpur Eye Hospital is situated at Bharatpur, the headquarter of Chitwan District in Narayani Zone. It was established with a vision to provide comprehensive eye care services to the people residing in Chitwan, Nawaparasi, Makwanpur, Dhading, Gorkha, Lamjung and Tanahun districts.

Bharatpur, Chitwan
Tel: +977-56-520333 Fax: +977-56-523333
E-mail: beh@nec.com.np

| Total OPD | 1,35,269 |
| Total Surgery | 7,099 |
Himalaya Eye Hospital

Himalaya Eye Hospital was established in 1993 at Gharipatan, Pokhara of Kaski district. It is running under NNLIS with the financial support of Eye Care Foundation, the Netherlands.

Ghari Patan, Pokhara, Kaski
Tel: +977-61-461168, 460458 E-mail: heh@ntc.net.np
URL: www.heh.org.np

| Total OPD  | 2,04,894 |
| Total Surgery | 4,752 |

Dr. Binod Neeta Kandel Eye Hospital

This hospital was established in 1989 as primary eye care center. Now this center has been upgraded into secondary eye hospital in 2007.

Parasi, Nawalparasi
Tel: 078-520146 Email: peccparasi@lei.org.np

| Total OPD  | 39,216 |
| Total Surgery | 1,596 |

Palpa Lions Lacoul Eye Hospital

Shree Rana Ambika Shah Eye Hospital of Bhairahawa extended the eye care service starting from primary level in Tansen, Palpa in 1986 in a small room of Government District Hospital. Initially, it was running every Friday as a weekly clinic. After a few months, the service was expanded and started running 5 days a week. Now this primary eye care centre has been developed into a full-fledged secondary level eye hospital.

Tansen, Palpa
Tel: +977-75-520333 Email: plieh@lei.org.np

| Total OPD  | 16,826 |
| Total Surgery | 702 |
Butwal Lions Eye Hospital

Butwal Lions Eye Hospital, established in Nov. 1996 is located at Lions Chowk, Butwal-4 of Rupandehi district. Initially, this eye center was supported by LEI providing visiting services twice a week. In 2008, the local supporter Lions Club of Butwal and LEI have signed a MOU to support and provide surgical services at the hospital. The hospital is running in its own building constructed by the Lions Club of Butwal.

Butwal - 4, Rupandehi
Tel: +977-71-545845, 542135
Email: butwallions@lei.org.np

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<th>Total OPD</th>
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<tr>
<td>Total Surgery</td>
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Lumbini Eye Institute

Present Lumbini Eye Institute (LEI), is a developed form of Shree Rana Ambika Shah Eye Hospital (SRASEH) which was established in 1983 within the premises of Government District Hospital (Bhim Hospital) in Bhairahawa. With the generous land donation by Mr. Rana Bahadur Shah, Siddharthanagar Municipality and financial support of Seva Foundation, USA and Seva Canada Society, Canada, SRASEH constructed its new building in 1993 and was named Shree Rana Ambika Shah Eye Hospital. It is functioning as an eye institute.

P.O.Box: 30, Siddharthanagar-3, Rupandehi
Tel: +977-71-523827, Fax: 520668

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<th>Total OPD</th>
<th>4,45,223</th>
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<tr>
<td>Total Surgery</td>
<td>30,181</td>
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Chhanda (Kalebabu) Narayani Eye Hospital

Former Bahadurgunj Eye Care Centre is now upgraded to Chhanda (Kalebabu) Narayani Eye Hospital after the land provided by the donor Mrs. Narayani Shah to establish eye hospital in September, 2012.

Bahadurgunj-5, Kapilivastu
Tel: +977-76-630030
Email: nabpkapil@ntc.net.np

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<th>Total OPD</th>
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<tr>
<td>Total Surgery</td>
<td>9,078</td>
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Rapti Eye Hospital

Rapti Eye Hospital was established in 1986 with the support of Norwegian Church Aid, which was later supported by NABP since 1998. The hospital is situated at Rakshya chaur, Tulsipur in Dang district in the midwestern region of the country. This eye hospital is providing eye care service to 1.4 million population of Rapti zone.

Rakshya chaur, Tulsipur, Dang
Tel: +977-82-520265 Fax: +977-82-520320
E-mail: nabp@ntc.net.np

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<tr>
<td>Total Surgery</td>
<td>2,603</td>
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Fateh Bal Eye Hospital

Fateh Bal Eye Hospital which is known as Mid-Western Regional Eye Care Centre, is managed and run by NNIS Banke district branch. It was established in 1987 and developed in cooperation with Swiss Red Cross and Lions Club MD 102 Switzerland.

Nepalgunj - 7, Fulleka, Banke District
Tel: +977-81-520598 Fax: +977-81-522737
E-mail: fbeheye@gmail.com, fbe@ntc.net.np

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<td>Total OPD</td>
<td>1,11,930</td>
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<td>Total Surgery</td>
<td>11,894</td>
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Geta Eye Hospital

Geta Eye Hospital was established with the financial support from NORAD, Norway in 1981, and it became fully operational from November 1982. INFIL Foundation, Norway is supporting since January 2005 in some of its activities. This hospital is providing service to the patients of far western region of Nepal as well as patients from Uttar Pradesh and Uttarakhand of Northern India.

Geta, Kailali, Kailali District
Tel: +977-91-575112 Fax: +977-91-550100
E-mail: geh@ntc.net.np

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<td>Total OPD</td>
<td>3,04,602</td>
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<tr>
<td>Total Surgery</td>
<td>33,612</td>
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Mahendranagar Eye Hospital

Mahendranagar eye center was established on 1st Nov 1986 and developed as secondary level eye hospital from 9th Sept. 2013. The Mahendranagar eye Hospital is providing eye care service to the people of Kanchanpur district.

Address:
Tel: +977-99-522119
Email: gehnepal@gmail.com

Total OPD 28,458
Total Surgery 1,584

Dr. Ram Prasad Pokhrel Eye Hospital

This hospital was established in 1987 as an eye care center. Now this eye care center is upgraded as secondary eye hospital in 2013. Dr. Ram Prasad Pokhrel Eye Hospital, Dhankuta provides comprehensive eye care services to the people of six remote hilly districts of Nepal, i.e. eastern hilly districts and headquarters of eastern development region, about 200 thousand population with mixed communities. The regional population size is about 6 million.

Address:
Tel: +977-26-521418, Email: rppeh.dhankuta@yahoo.com

Total OPD 10,293
Total Surgery 239

Lamahi Eye Hospital

With an objective to provide eye care services to the people of Dang, an eye clinic was established in Lamahi in 2001 under Rapti Eye Hospital considering the need of the people. The services was extended and the clinic was upgraded into Lamahi eye care centers in 2008.

Address:
Tel: +977-81-540608, 540662, E-mail: nabpding@ntc.net.np

Total OPD 20,674
Total Surgery 828
Cause of Blindness

- Cataract 72% (1981)
- Cataract 65% (2012)
- Diabetic Retinopathy 0.2%
- Trachoma 1%
- Surgical Complications 1%
- Other/Undetermined 2%
- Globe abnormality 3%
- ARMD 4%
- Refractive Error 4%
- Glaucma 5%
- Cornea 6%
- Retinal Diseases 9%
- Miscellaneous combination 8%
- Nutritional 1%
- Amblyopia 1%
- Small Pox 2%
- Trauma 2%
- Other infection 3%
- Trachoma 3%
- Glaucma 3%
- Retinal Diseases 3%
- Undetermined 2%

Eye Care Human Resources, Nepal

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<tr>
<td>Ophthalmologists</td>
<td>7</td>
<td>71</td>
<td>76</td>
<td>175</td>
<td>180</td>
</tr>
<tr>
<td>Optometrists</td>
<td>0</td>
<td>0</td>
<td>20</td>
<td>36</td>
<td>80</td>
</tr>
<tr>
<td>Ophthalmic Assistants</td>
<td>0</td>
<td>200</td>
<td>275</td>
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<td>410</td>
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Infrastructure in Eye Care

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<th>1981</th>
<th>2001</th>
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<tr>
<td>Eye Care Centre</td>
<td>0</td>
<td>36</td>
<td>76</td>
</tr>
<tr>
<td>Surgical Centre</td>
<td>0</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Secondary Eye Hospital</td>
<td>0</td>
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<td>26</td>
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<tr>
<td>Tertiary Eye Hospital</td>
<td>0</td>
<td>2</td>
<td>4</td>
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<td>Centre of Excellence</td>
<td>0</td>
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OPD Vs SURGERY in NNJS’s Eye Hospital
NNJS Major Activities

Research and Monitoring Department:
The Research and Monitoring Department of NNJS has undertaken research on "The Incidence and Prevalence of Diabetic Retinopathy among the known Diabetic Population of Nepal". The objective of this study is to identify the incidence and prevalence of Diabetic Retinopathy and to identify the associated risk factors of Diabetic Retinopathy. The research is in progress. It is expected that the findings from the research will put light on the situation of Diabetic Retinopathy in Nepal and will help to shape policies and increase service provision to address Diabetic Retinopathy in Nepal.

Nepal Government supported programs
• Free Operation of Cataract: Provided in 35 rural districts to 6127 people through 7 eye hospitals under NNJS.
• Distribution of Presbiopic Glasses (Reading Glasses): 5246 reading glasses distributed in 35 rural districts through 6 hospitals.
• Primary Eye Care Program: Operating cost provided to eye care centers operating in 36 rural districts.
• Development of Human Resources: Scholarship was provided to 10 students enrolled in ophthalmic assistant training program.
• Central Data Collection Workshop and Training: Human Resources involved in medical registration in hospitals were trained on central data collection system. Specialists from Lions Aravind Institute of Community Ophthalmology, Madhurai were invited to conduct workshop and training.
• Research: A research was initiated in this Fiscal Year to identify the effects of diabetes on eye and its risk factors.
• Primary Training for Eye Care: Ophthalmic Assistants from 3 Primary Eye Care Centers and 1 Eye Hospital were trained.
• Printing Posters on Eye Health: Three types of total 15,000 posters intending to enhance public awareness on eye health, were printed.
• Monitoring and Evaluation: undertaken in 24 institutions to collect information about their work/activities.
National Program for Control of Childhood Blindness in Nepal (December 2014)

ORBIS, with Nepal Netra Jyoti Sangh initiated a national program for control of childhood blindness on July 2010. The purpose of this partnership is to develop seven full fledged pediatric department in seven major eye hospitals.

Project Performance (July 2010 to December 2014):

- Six pediatric ophthalmology units have been renovated and refurbished and all targeted 18 PECCs/CECs have been renovated to serve children better.
- 172 doctors have been trained for one day to form part of the referral network for these pediatric ophthalmology units.
- 20 ophthalmologists and anesthesia assistants have been trained for the period one day to one month through H&Ps, Flying Eye Hospital programs to refresh their skills.
- Six ophthalmologists have completed fellowship in pediatric ophthalmology to provide quality eye care to children.
- 76 paramedics including nurses, optometrists, counselors, equipment maintenance technicians, outreach workers, hospital administrators have been trained through structured training programs, customized H&Ps and Flying Eye Hospital programs to support quality pediatric eye care delivery in their respective hospitals.
- 5,132 school teachers & health volunteers were trained for preliminary vision screening in schools and in the community and referral services.
- 10,08,000 children were screened by eight partner hospitals at base hospital OPDs, PECCs/CECs, schools and community through outreach camps.
- 3,23,687 children were medically treated with medicine and spectacles, 14,688 children received spectacles at free of cost.
- 15,394 pediatric surgeries were done among them 3,945 surgeries were done free of cost.
- 3,23,687 persons including parents, guardians and community stakeholders were educated on child eye care with the use of appropriate IEC materials. Different brochures developed on pediatric cataract, strabismus, refractive error and seven eye conditions in Nepali language to inform people about eye problems in children. Also World Sight Day was observed to raise awareness on blindness and visual impairment and to generate support for the elimination of avoidable blindness in Nepal.
- Different equipment has been supported to base hospitals and eye care centers for smooth operation of services.

National Eye Health Education Program

Eye health education is an integral part of any comprehensive eye care system. NNJS has been maintaining a separate National Eye Health Education Unit (NEHEU) at its central office in Kathmandu since 1989 in order to deliver preventive and promotive eye care in the country. The NEHEU has set up its units at 13 peripheral eye hospitals through which different eye health educational activities are being carried out like:

- Broadcast of Radio Eye care Program
- Development, publication and distribution of (IEC) materials
- Traditional Healers (THs) Training
- School Eye Health Program
- KAP study on EHE conduct
- Other Activities:
  - Basic Primary eye care training to female community health volunteers (FCHVs)
  - Orientation training to drug retailers
  - Orientation training to mothers group members, school teachers, THs, and Staffs at Health Post
  - IEC materials exhibition and dissemination programs
  - Eye health education fairs
  - Broadcasting radio programs through FM stations of various districts
  - Printing and posting flex banners/hoarding boards through different eye hospitals
  - Sending SMS to large number of people to raise eye health awareness
  - Development and broadcast of telfilms/TV spots/radio spots.

Seva foundation USA and Seva Canada Society have provided their generous support to the NEHEU since its establishment for human resource training, establishing eye health education units at 9 eye hospitals and conducting different eye health education activities. Similarly, Eye Care Foundation, The Netherlands have been supporting for broadcasting fortnightly radio eye care program for last two decades, and for establishing Eye Health Education Units (EHEUs) at 4 more eye hospitals, strengthening the capacity of the existing and newly established EHEUs, and conducting various EHE activities since 2011.
Other Activities 2014

National Eye Sight Program
Cataract Surgery (Support of Embassy of India): Conducted 21 surgical camps and 259 DST camps where total 86,176 people were screened and 15,099 patients were given free cataract surgeries.

Cataract Surgery (Support of HelpAge International, Nepal): 49 DST camps and 8 surgical camps (Total 27783 patients were screened and 2150 cataract surgeries were conducted free of cost with the support of Help Age International Nepal, in a year 2014).

School eye check up Program: (Supported by Lions Club International 325 A & B): 110 Schools from 17 different districts a total 31852 School children were screened and 2400 children got spectacles free of cost.

School eye check up Program: (Supported by Embassy of India): School program is ongoing process which is planned in 575 Schools from 40 different districts. Total 475000 School children will be screened and it is planned to provide 9300 spectacles free of cost in 2014-015.

National Low Vision Program:
- Low vision Clinical assessment Services have been set up at and being provided through 13 eye hospitals and 31 eye care centers.
- Fateh Bai Eye Hospital, Nepalgunj; Lumbini Eye Institute Bharahawa; Himalayan Eye hospital, Pokhara; and sagarmatha Choudhary Eye Hospital, Lahan are providing this services at regional level.
- Special School teachers and CBR workers have been trained in functional care of the low vision clients provided with devices.
- Low vision component has been included in the training curriculum of the special school teachers who take care of the blind students.
- 40% of the services recipient of the child clients who were in Braille before have been converted into normal print for reading and writing.

Some Events 2014

- Prof. Dr. Tirtha Prasad Mishra, Chairman of Nepal Netra Jyoti Sangh has been duly elected as a one of the Board of Trustees of International Agency for Prevention of Blindness (IAPB) board election 2014, which is an umbrella organization of all the NGOs and INGOs working for the prevention of blindness in the world.
  Nominated by Seva Foundation, seconded by Aravind Eye Care Systems.

- Mr. Shyam Kumar Pokhrel, Secretary General been awarded with Prof. R.P. Pokhrel.
  ACOINNIUS Indo Nepal Friendship Award 2013

- Conferment Ceremony Program of Mr. Terje B. Iversen, Director International Development Cooperation, NABP
National Trachoma Program:
- TT Surgery of 2567 lids performed.
- Antibiotics distributed to 392870 persons in 2 SAFE implemented districts.
- 1000 Hex banners, 25000 brochure, 1,00,000 trachoma handbills were printed and distributed for face washing and environment improvements.
- 13 population based surveys to find out the trachoma prevalence were conducted.
- 2 impact surveys after SAFE program implementation were conducted.
- Surveillance orientation for District Health Officers, Supervisors was conducted in 10 Districts.

Human Resources Development

Ophthalmic assistant training Program: About 400 OAs have been produced so far under the training program. The training program was conducted which was based on skills till the year 2009. Since the year 2010 they started conducting this training program as an academic course for certificate level in ophthalmic science. At present, this training program is available at Lumbini Eye Institute, Bharatpur Eye Hospitals, Sagarmatha Choudhary Eye Hospital and Fateh Bal Eye Hospital.

Per training centers 40 seats are available in the program.

Course duration – 3 years, all the students are required to study basic science course during the first year and clinical course during the subsequent two years.

Eligibility for the application-must have passed SLC or equivalent examination and should atleast score second division from recognised institution with compulsory mathematics, english and science subjects.

Note: The quotas for scholarship, sponsorship, and entrance examination and selection criteria are as per the provision of the CTEVT rules and regulation.

Step for Ear Hearing care services

With the motive to elaborate the services in ear-care, NNIS has taken further step to provide the treatment of hearing impairment and ear drum pathology in Nepal, of which 50% are preventable and treatable, through a community based programs in integration with district eye care centers.

Eye Health care and Ear hearing care - A combined approach

Joint eye and ear Camp: With an initiative to train eye health workers of Biratnagar Eye Hospital on ear care. Both Eye Health care and Ear hearing care camps are organised. The trained human resources provides basic ear care services and those with complexities are referred to ear hospitals.

Development of Full fledged Ear Care Services In Biratnagar Eye Hospital: The hospital has developed its ear services considering the patient flow and now provides services through an ENT Surgeon. By the end of year 2013, 1246 ear patients were examined and 201 patients underwent ear surgeries. 67 joint ear and eye camps were conducted on same period.

Integration of ear unit in District Eye Care Centres: This year 6 district eye care centres started to provide ear care services. 4 ophthalmic assistants were trained for this purpose.

Future Plan:
- To train the ophthalmic Assistants of all the remote district of Nepal in basic course in ear care so that they can start the ear care services in remote area for the benefit of the community
- To start the full fledged ear care services (Ear Department) on regional basis (in 5 tertiary level eye hospital) where ENT surgeon will be deputed.
Provision for Eye Banking and cornea harvesting facilities in all Centers of Excellence by the year 2020

Specific Objectives (2013-2020)

- Increase the national CSR from the present 3800 to 6000 by the year 2020.
- Establish a cataract auditing system to monitor quality and quantity of provision by the year 2015 and achieve WHO recommended visual outcome criteria PVA 80% and BCVA 90% by the year 2020.
- Eliminate trachoma according to WHO criteria TF <5% and TT <1/1000 by 2017.
- Raise the coverage of community awareness in eye diseases and service availability to >80% by the year 2020.
- Reduce vision Impairment due to URE below 2% and achieve glass usages coverage to more than 80% by 2020.
- Make aware on availability and content of IEC materials to 80% of targeted population by 2020.
- Train at least additional 180 ophthalmologists (of which 70 with sub-specialty trainings), 300 ophthalmic assistants, 300 eye workers, 30 hospital managers, 5 Biomedical Engineers by the year 2020.
- Establish 62 new Primary Eye Care Centers (PECCs), upgrade 33 PECCs to District Eye Care Centers (DECCs), 6 PECCs and 4 DECCs to Secondary eye hospitals, 3 Secondary eye hospitals each to Tertiary B and Tertiary A level eye hospitals, 1 Tertiary B to Tertiary A level eye hospital and 2 Tertiary B and 1 Tertiary A level to Centre of Excellence level.
- Establish one additional Tertiary B level eye hospital and one Centre of Excellence level eye hospital by 2020.
- Provision for Eye Banking and cornea harvesting facilities in all Centres of Excellence by the year 2020.
- Ear Care Unit in 25 eye care centres by 3 years.
Acronyms

AOCA  Association for Ophthalmic Cooperation to Asia
BCVA  Best Connected Visual Activity
CSR   Cataract Surgical Rate
DECC(s) District Eye Care Centre(s)
DST   Diagnostic, Screening and Treatment
ECC(s) Eye Care Centre(s)
HMG   His Majesty's Government
IEC   Information, Education and Communication
INGO(s) International Non-Governmental Organization(s)
JICA  Japan International Cooperation Agency
LEI   Lumbini Eye Institute
NABP  Norwegian Association of Blind and Partially-sighted
NGO(s) Non-governmental Organization(s)
NNJS  Nepal Netra Jyoti Sangh
PVA   Presenting Visual Activity
RTI   Research Triangle Institute
SCEH  Sagarmatha Choudhary Eye Hospital
SRASEH Shree Rana Ambika Shah Eye Hospital
TF    Trachomatous Inflammation Follicular
TT    Trachomatous Trichiasis
UK    United Kingdom
USA   United States of America
USAID United States Agency for International Development
WHO   World Health Organization
SAFE  Surgery, Antibiotic Distribution Facial Cleanliness, Improvement Environment
NNJS - Progressive Moments...
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