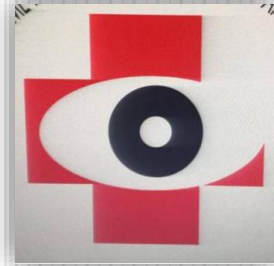


National Programme for Control of Blindness & Visual Impairment

NPCBVI



Introduction

- National Programme for Control of Blindness (NPCB) launched in 1976. The Trachoma Control Programme started in 1963 was merged under NPCB in 1976.
- In the beginning, NPCB was a 100% centrally sponsored programme (now from 12th FYP it is 60:40 in all States/UTs and 90:10 in hilly states and all NE States).
- Nomenclature of the programme was changed from National Programme for Control of Blindness to National Programme for Control of Blindness & Visual Impairment (NPCBVI) in 2017.

Burden of Blindness

- Prevalence of Blindness - 1.1%. (Blindness Survey 2001-02).
- Prevalence of Blindness – 1.0%. (Blindness Survey 2006-07).
- Blindness Survey (2015-18) completed. Findings to be released shortly.
- WHO Goal – reduction of prevalence of avoidable blindness to 0.3% by 2020.
- NHP target – to reduce the prevalence of blindness to 0.25% by 2025 and disease burden by one third from current levels.

Causes of Blindness

- Cataract (62.6%)
- Refractive Error (19.70%)
- Glaucoma (5.80%)
- Posterior Segment Disorder (4.70%)
- Surgical Complication (1.20%)
- Posterior Capsular Opacification (0.90%)
- Corneal Blindness (0.90%)
- Others (4.19%)

Goals & Objectives of the Programme

Goal

- To reduce the prevalence of blindness to 0.3% by the year 2020

Objectives

- Reduce the backlog of blindness through identification and treatment of blind.
- Develop comprehensive eye-care facilities at each level i.e. PHCs, CHCs, Dist. Hospitals, Medical Colleges and Regional Institutes of Ophthalmology.
- Develop human resources for providing Eye Care Services.
- Improve quality of service delivery.
- Secure participation of Voluntary Organizations/Private Practitioners in eye care services.
- Enhance community awareness on eye care.

Summary of Programme activities

NHM Component	
S. No	Activities
1	Free Cataract Surgery at district hospitals and identified NGO eye hospitals/ Pvt. Practitioners
2	Eye Screening and Distribution of Free spectacles to School children and elderly
3	Collection of Donated Eyes through network of eye banks and eye donation centres
4	Diagnosis and Treatment of other eye diseases (glaucoma, childhood blindness, squint etc.) at District Hospitals and identified NGO eye hospitals
5	Procurement and maintenance of Ophthalmic equipments at sub-district/district Hospitals and Vision Centres (in public sector only from FY 2018-19).
6	Training of Para Medical Ophthalmic Assistants posted at PHC/ District Hospitals
7	Strengthening of eye banks (in public sector only from FY 2018-19).
8	IEC activities on promoting eye health , preventing eye diseases and increasing utilization of services.

Summary of Programme activities

Tertiary Eye Care Components

S.No	Activities
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- | | |
|---|---|
| 1 | Provision of super specialty and referral eye care services for diabetic retinopathy, Glaucoma, childhood blindness, retinopathy of prematurity and Keratoplasty (corneal transplantation) etc. at Regional Institutes of Ophthalmology and Medical Colleges. |
| 2 | Construction of modular Eye OTs at RIOs for providing modern and tertiary level eye care services |
| 3 | Training of eye surgeons in various specialties of Ophthalmology for skill development |
| 4 | Provision for supply of MK Medium to Govt. Eye Banks through Dr. R.P.Centre, AIIMS, New Delhi for preservation of donated corneas and improve corneal utility rate. |
| 5 | Conducting Surveys (blindness & Visual Impairment Survey, Trachoma Survey etc.) through identified institutions. |

Physical Performance

Total No. of Cataract Surgery

Year	Target	No. of Cataract operations performed	% Achievement
2016-17	66,00,000	64,81,435	98
2017-18	66,00,000	64,41,487	97
2018-19	66,00,000	66,85,476	101
2019-20*	67,00,000	16,46,921	

Distribution of free spectacles under School Eye Screening

Year	No. of free spectacles provided to school children suffering from refractive errors		% Achievement
	Target	Achievement	
2016-17	9,00,000	7,57,906	84
2017-18	9,00,000	7,98,411	88
2018-19	9,00,000	8,79,488	97
2019-20*	10,00,000	82,590	

Physical Performance ...

Collection of donated Eyes for corneal transplantation

Year	No. of donated eyes collected		% Achievement
	Target	Achievement	
2016-17	50,000	65,135	130
2017-18	50,000	71,709	143
2018-19	55,000	68,007	123
2019-20*	70,000	19,950	

Treatment/management of other eye diseases (Diabetic retinopathy, glaucoma, childhood blindness, keratoplasty etc.)

Year	Target	No. of Cases treated	%
2016-17	72,000	4,04,677	562
2017-18	72,000	5,48,448	761
2018-19	2,00,000	6,14,433	307
2019-20*	6,00,000	1,88,507	31.42

* The physical progress report for the year 2019-20 is provisional

Physical Performance ...

Training of Eye Surgeons:

Year	No. of eye surgeons trained in various specialties of ophthalmology
2016-17	121
2017-18	125
2018-19	129
2019-20	40

Training / Workshops

- All State & District Program Officers and Ophthalmologists were trained in diagnosis and treatment of Trachoma in 9 previously trachoma endemic States/UTs
- 450 Ophthalmologist were trained in two days workshops in early diagnosis and treatment of Glaucoma during 2016-17 & 2017-18.

Major issues

- Low utilization of allotted funds by most of the States except Chhattisgarh and Sikkim
- Poor physical performance by many states Nagaland, Sikkim, Lakshadweep, Meghalaya, J & K and Jharkhand.
- Delay in NGO payments (for performing cataract and treatment of other eye diseases) by District Programme Officers inspite of their uploading of data in the MIS of NPCBVI.
- Quality issue: Sporadic episodes of cluster enophthalmities keep coming inspite of circulation of prescribed eye surgery guidelines.
- Poor nominations for training: Very few nominations of eye specialists are sent by States for refresher hands on training. This results in inadequate skilled/trained eye surgeons in States.
- Many of the States do not have sanctioned posts of Ophthalmologists at district level.

Major issues concerning RIOs

- Utilization certificate for the grant are awaited from most of the RIOs (except Patna and Cuttack).
- All RIOs need to develop Modular Eye OTs for providing superspeciality eye care services
- All RIO need to conduct training eye surgeons in superspeciality eye care
- Need for setting up of eye banks and improvement in Keratoplasty services
- Physical progress reports has been received from 6 RIOs only.

Innovations under NPCBVI

- Introduction of tele-ophthalmology in eye care. Linkage of lower units (PHC/vision centres) with nearby higher units (district hospitals/Medical Colleges) for coverage of hilly and hard to reach areas (**Tripura, Andhra Pradesh, Tamila Nadu**).
- Initiating Diabetic Retinopathy Projects at Karnataka, Tamil Nadu, West Bengal, Madhya Pradesh, Maharashtra etc.).
- Corneal Blindness Backlog free initiative in Punjab.
- Use of digital media in IEC.

Thank You

Funds released to Regional Institutes of Ophthalmology (RIOs)

Rs. In Lakhs

Sl. No.	Name RIOs through respective State Health Society	2013-14	2014-15	2016-17	2017-18	Grand Total From 2013-14 to 2017-18
1	RIO, Patna, Bihar		100.00			100.00
2	RIO, Ahmedabad, Gujarat		100.00		200.00	300.00
3	RIO, Guwahati, Assam		100.00			100.00
4	RIO, Amritsar, Punjab		100.00			100.00
5	RIO, Thiruvananthapuram, Kerala		300.00			300.00
6	RIO, Kolkata, West Bengal	100.00	200.00		300.00	600.00
7	RIO, Minto RIO Bangalore, Karnataka		100.00		200.00	300.00
8	RIO, Srinagar, J& K		100.00			100.00
9	RIO, Cuttack, Odisha		100.00			100.00
10	RIO, Dr.R.P.Centre, Delhi					0.00

Funds released to RIOs under (NPCB&VI)

Rs. In Lakhs

Sl. No.	Name of Society (RIOs)	2013-14	2014-15	2016-17	2017-18	Grand Total From 2013-14 to 2017- 18
11	RIO, Chennai			100.00		100.00
12	RIO, Allahabad			100.00	200.00	300.00
13	RIO, Bhopal M.P.					0.00
14	RIO, Raipur, Chhattisgarh			100.00	200.00	300.00
15	RIO, Jaipur, Rajasthan				200.00	200.00
16	RIO, Ranchi, Jharkhand				200.00	200.00
17	RIO Rohtak, Haryana			100.00		100.00
18	R.IO Mumbai, Maharashtra				200.00	200.00
19	RIO, Hyderabad Telangana		300.00		200.00	500.00
	Total	100.00	1500.00	400.00	1900.00	3900.00
*	During FY: 2015-16 and 2018-19 no funds were released.					