

ADVOCACY FACT SHEET

Nigeria Overview

Population 227.9 million¹ - Lower middle income¹ - HDI 0.548² - GDP USD 363.85 billion / NGN 234.43 trillion¹

- High Prevalence of Poor Vision:** In 2022, nearly 92 million Nigerians needed vision correction, with 88.1% having uncorrected poor vision. Vision impairment increased by 35% between 2010-2020, and less than 20% of rural adults accessed eye care.
- Challenges in Access:** Barriers include cost, poor infrastructure, lack of awareness, and insufficient eye health programs, especially in rural areas. Nigeria has only 3.0 ophthalmologists- and 14.1 optometrists- per million people, concentrated in cities, leaving underserved populations vulnerable.
- Actionable Strategies:** Expand school eye health programs, enhance rural outreach, leverage telerefraction, develop workforce, improve its distribution, ensure sustainable funding and policies addressing effective RE coverage.

The Global State of Vision

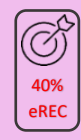
The World Health Organization (WHO) recognizes uncorrected refractive error (URE) as the **primary cause of vision impairment (VI)**, the **second cause of blindness**, and the **largest unaddressed disability worldwide**.³

Two sets of research estimate **global prevalence of poor vision** caused by URE (URE includes myopia, hyperopia, astigmatism and presbyopia. It results in reduced visual acuity, leading to blurred vision and, when severe, visual impairment).⁴ **-1.1 billion** people live with **avoidable VI** (WHO; visual acuity cut-off 6/12)³, and **2.7 billion** or **1 in 3 people** have URE (Essilor; visual acuity cut-off 6/9)⁵.

 **Vision impairment costs the global economy US\$411 billion in yearly productivity losses.**⁶

Without action, **half of the global population**, roughly **4.8 billion**, is set to have a VI, primarily myopia, by **2050**.⁶

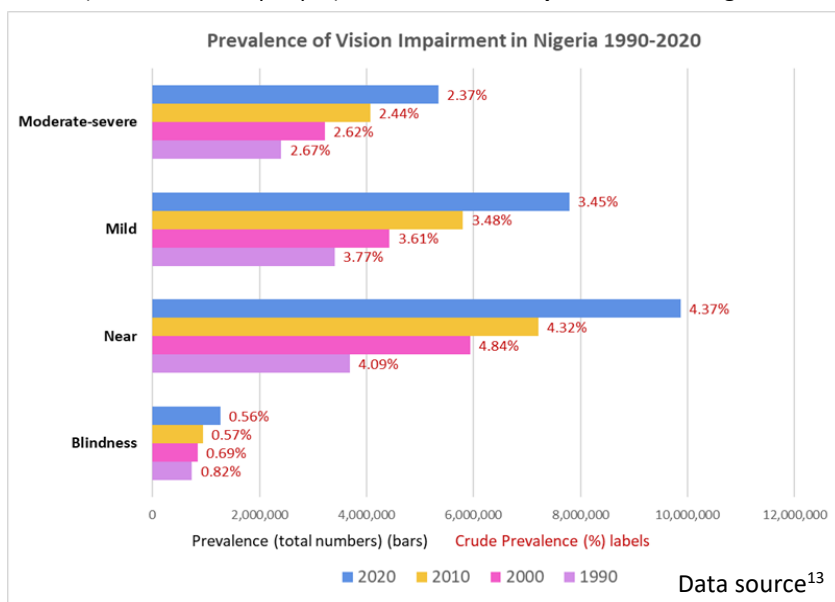
Over 90% of VI cases are preventable, and/or **treatable** with existing, cost-effective interventions.⁶ Globally, only 36% of people with distance VI due to refractive error (RE) have access to the appropriate care they need.⁷

 With this baseline (36%), the 74th World Health Assembly (WHA) endorsed a global target for a **40% increase in effective coverage of refractive errors (eREC)** by 2030.⁸

The **WHO SPECS 2030 Initiative**⁹, building WHA¹⁰/UNGA¹¹ resolutions, particularly the eREC target, assists countries and stakeholders in addressing the unmet need for spectacles while ensuring the delivery of quality eye care.

Vision Needs in Nigeria (Research Studies)

- In 2022, **42%** (over 92 million people) in Nigeria required vision correction. **88.1%** (over 81 million people) have **uncorrected poor vision** in Nigeria.¹²



- In 2020, total VI (near, mild, moderate-severe) was 23,007,176 - an increase from 2010 - 2020 by 35%, and an increase from 1990 - 2020 by 142%¹³.
- 2024:** In Saki-East, 1.39% of school children had unilateral VI or blindness, mainly due to URE (51%)¹⁴. In Osun State, 14.8% of children with disabilities had ocular disorders, primarily refractive error (11.1%)¹⁵.
- 2023:** Eye care utilization in rural Ugbawka, Enugu, was low (18%). Barriers included cost (30%), distance (22.6%), and poor infrastructure (15.2%)¹⁶.
- 2022:** Among adults 35 years+ in Cross River, 73.2% had presbyopia. Spectacle correction coverage and unmet presbyopic need were 40.8% and 59.2%¹⁷. Among University of Nigeria staff, 13.8% had URE, mainly astigmatism, more prevalent in older, non-academic staff.¹⁸ At the Nigeria Army Eye Centre, VI, mainly from glaucoma and URE, affected mostly males and those aged 60+. Moderate VI was common (47.2%), linked to late clinic visits.¹⁹
- 2021:** In Cross River, parental nonadherence to follow-ups for children's vision care was influenced by disbelief, economic issues, and cultural factors²⁰.
- 2020:** 7.5% of drivers had VI, doubling accident risk. Despite 88% being licensed, only 44.8% underwent eye tests pre-obtainment²¹.

(1) The World Bank Group. (2024). Data for Nigeria. Data.worldbank.org; The World Bank Group. <https://data.worldbank.org/country/nigeria> (2) World Population Review. (2024). Human Development Index (HDI) by Country 2024. World Population Review. <https://worldpopulationreview.com/country-rankings/hdi-by-country> (3) World Health Organization. (2019, October 8). World report on vision. Wwww.who.int; Geneva: World Health Organization. <https://www.who.int/publications/i/item/9789241516570> (4) WHO TEAM Noncommunicable Diseases. (2013, October 6). Blindness and vision impairment: Refractive errors. Wwww.who.int; World Health Organization. <https://www.who.int/news-room/questions-and-answers/item/blindness-and-vision-impairment-refractive-errors> (5) Burton, M.J., Ramke, J., Marques, A.P., Bourne, R.R.A., Congdon, N., Jones, I., et al. The Lancet Global Health Commission on Global Eye Health: Vision beyond 2020. Lancet Glob Health (2021), 9(4), e489–e551. [https://doi.org/10.1016/S2214-109X\(20\)30488-5](https://doi.org/10.1016/S2214-109X(20)30488-5) (6) Essilor. (2019, November 5). Eliminating Poor Vision in a Generation. What Will It Take To Eliminate Uncorrected Refractive Errors by 2050? The OneSight EssilorLuxottica Foundation. <https://onesight.essilorluxottica.com/research/eliminate-poor-vision-by-2050/> (7) World Health Organization. (2022). Report of the 2030 targets on effective coverage of eye care. World Health Organization. <https://iris.who.int/handle/10665/363158> (8) World Health Organization. (2021). Integrated people-centred eye care, including preventable vision impairment and blindness Global targets for 2030 Draft decision. In World Health Organization. https://apps.who.int/ebwha/pdf_files/WHA74/A74_9A4d43-en.pdf (9) World Health Organization. (n.d.). SPECS 2030. Wwww.who.int; WHO. <http://www.who.int/initiatives/specs-2030> (10) Resolution WHA73.4. Integrated people-centred eye care, including preventable vision impairment and blindness. In: Seventy-third World Health Assembly, Geneva, 3 August 2020. Geneva: World Health Organization; 2020. https://apps.who.int/ebwha/pdf_files/WHA73/A73_R4-en.pdf (11) United Nations General Assembly Resolution A/75/L.108 – Vision for Everyone; accelerating action to achieve the Sustainable Development Goals, 6 July 2021. New York: United Nations; 2021. <https://www.undocs.org/en/A/75/L.108> (12) OneSight EssilorLuxottica Foundation data (13) The International Agency for the Prevention of Blindness (IAPB). (2020). Country Map & Estimates of Vision Loss: Nigeria. The International Agency for the Prevention of Blindness. <https://www.iapb.org/learn/visual-atlas/magnitude-and-projections/countries/nigeria/> (14) Ibukun, F. A., Ugalah, M. O., & Bekibele, C. O. (2024). Unilateral visual impairment and blindness in school children – prevalence and aetiology in Saki-East LGA of Oyo State, Nigeria. Eye, 38, 2117–2123. <https://doi.org/10.1038/s41433-024-02960-2> (15) Adejumo, O., Isawumi, M., Parakoyi, B., Faramade, I., & Olarewaju, S. (2024). Prevalence and Determinants of Ocular Disorders among in-School Children with Physical and Mental Disabilities in Osun State, South West Nigeria. West African Journal of Medicine, 41(3), 286–292. <https://europepmc.org/article/med/38787809> (16) Ezinne, N. E., Ekemiri, K. K., Chukwuma, I., Ojukwu, C. S., Mashige, K. P., Ilchhe, A. A., et al. (2023). Utilization of eye care services in an underserved community in Enugu State, Nigeria. Nigerian Journal of Clinical Practice, 26(1), 81–89. https://doi.org/10.4103/njcp.njcp_1603_21 (17) Ezinne, N. E., Shittu, O., Ekemiri, K. K., Kwarteng, M. A., Tagoh, S., Ogbona, G., et al. (2022). Prevalence of Presbyopia, Spectacle Correction Coverage and Unmet Need, among Adults in Cross River State, Nigeria. Journal of the Nigerian Optometric Association, 24(1), 20–30. <https://doi.org/10.4314/jnoa.v24i1.4> (18) Anajekwu, C., & Kizor-Akaraiwe, N. (2022). Uncorrected refractive error in a university community. Nigerian Journal of Clinical Practice, 25(3), 361. https://doi.org/10.4103/njcp.njcp_1603_21 (19) Ezinne, N. E., Shittu, O., Ekemiri, K. K., Kwarteng, M. A., Tagoh, S., Ogbona, G., et al. (2022). Visual Impairment and Blindness among Patients at Nigeria Army Eye Centre, Bonny Cantonment Lagos, Nigeria. Healthcare, 10(11), 2312. <https://doi.org/10.3390/healthcare10112312> (20) Lohfeld, L., Graham, C., Ebri, A. E., Congdon, N., & Chan, V. F. (2021). Parents' reasons for nonadherence to referral to follow-up eye care for schoolchildren who failed school-based vision screening in Cross River State, Nigeria—A descriptive qualitative study. PLOS ONE, 16(11), e0259309. <https://doi.org/10.1371/journal.pone.0259309>

- **2019:** 11.0% of children had VI, 5.7% from RE (myopia 3.0%, hyperopia 2.7%). Three months after dispensing, spectacle use varied (40.2% full-time, 43.4% part-time, 16.4% never). Positive attitudes toward spectacles were common, though teasing and lack of follow-up impacted compliance²².

Health System in Nigeria

- Nigeria's healthcare system operates at federal, state, and local levels, supplemented by private, traditional, and community providers²³. The public system is the National Health Insurance Scheme²².
- Despite efforts to achieve universal coverage²² like the National Health Insurance Authority Bill (2022), health insurance enrollment remains low²⁴, with less than 5% of the population covered, leaving 120 million uninsured²⁴. Health spending is just 3.4% of GDP²⁵, out-of-pocket spending accounts for 74.9% of health expenses²⁶, and 40.1% of Nigerians live below the poverty line (2018)²⁵. Refugees and asylum seekers face administrative and awareness barriers to accessing healthcare²⁷.
- Many challenges remain including insurance, inclusion, infrastructure, workforce²⁴, and significant urban-rural & regional disparities²³.

Vision Care in Nigeria

- Nigeria's eye health sector operates under the Federal Ministry of Health (FMOH)²⁸ and is supported by 540 ophthalmologists (3 per million), 2,897 optometrists (14.1 per million), and 1,855 allied personnel (10 per million)¹³. NHIS covers exams but not spectacles²⁹.
- Despite having a National Eye Health- Policy (2019)²² and -Strategic Development Plan (2024-2028) to strengthen leadership, workforce, partnerships, and financing³⁰, significant challenges persist. Workforce shortages (3.0 ophthalmologists per million compared to 76.2 in high-income countries)³¹ and urban-rural disparities hinder access to quality care^{16,32,33}.
- The FMOH's National Eye Health Programme (NEHP) coordinates policies and initiatives, including the Effective Spectacle Coverage Initiative and primary eye care training³⁴, and helped further Vision 2020, yet met challenges hindering success³⁵. State school-based programs like Lagos' Secondary School Eye Health Programme have made progress, providing screening, eyeglasses, teacher training, and vision screening kits³⁶, but remain limited, lack monitoring and follow-up, and are poorly integrated with national health strategies. Many children, especially out-of-school youth, lack access to sustainable vision care²⁸.
- The Nigerian Optometric Association advocates for expanded investment in primary eye care³², stronger health systems, and job creation³⁷, yet there are gaps in trained and retained personnel, adherence to guidelines, and integration³⁸. Rural areas lack access and education on eye health¹⁶, disproportionately affecting women and children³⁹.
- Innovations like teleophthalmology and mobile clinics offer promise for expanding rural access. However, achieving equitable eye care requires universal health coverage, increased government funds³⁵, workforce expansion^{32,38}, and better policy implementation³⁷.
- **Professional Bodies and Associations:** [Nigerian Optometric Association](#) (NOA); [Ophthalmological Society of Nigeria](#) (OSN); [Nigerian Paediatric Ophthalmology and Strabismus Society](#) (NIPOSS); [Optometrists and Dispensing Opticians Registration Board of Nigeria](#) (ODORBN); [Medical and Dental Council of Nigeria](#) (MDCN); [Nigeria Ophthalmic Nurses Association](#) (NONA); [Association of Nigerian Dispensing Opticians \(ANDO\)](#); [The Women Optometrists in Nigeria](#) (WON); [Guild of Optometric Directors of Nigeria](#) (GOODON); The Association of Optometric Educators (AOE); [The Association of Optometrists in Public Health Care in Nigeria](#) (AOPHCN); [Nigerian Optometric Students Association](#) (NOSA).

Action and Policy (Recommendations from Evidence)

- Increase eye care awareness among teachers, parents, children, and communities^{18,20,41} through public education campaigns^{19,20,28} to reduce visual impairment and address misconceptions^{18,20}. Promote early¹⁵ and regular screenings^{18,20} and targeted education on child eye health^{20,41}. Enhance school eye health programs with trained staff, resources, monitoring^{28,41}, and collaboration with Ministries of Health and Education. Ensure sustainable funding and include advocacy efforts for broader impact²⁸. Improve access to refractive services¹⁴, affordable spectacles^{19,41,42}, and rural outreach programs⁴², with subsidies to ensure sustainability⁴³. Address rural barriers like financial constraints, infrastructure, and limited resources by expanding affordable care facilities¹⁶. Promote preventive eye health measures¹⁵. Mandate eye exams for drivers, maintain vision standards, and run campaigns with the FRSC and NOA to reduce road traffic accidents due to visual impairment²¹.
- The World Health Assembly set a global target of a 40% increase in effective refractive error coverage (eREC)⁴⁴. The [WHO SPECS 2030](#) Initiative is a global framework aimed at supporting Member States to achieve this target through 5 strategic pillars; (s)ervices, (p)ersonnel, (e)ducation, (c)ost, and (s)urveillance and research⁴⁵.

(21) Ekenyong, B. N., Echendu, D., & Ekanem, E. (2020). Visual health status and its relationship with road traffic accidents amongst Nigerian vehicle drivers: A publication of the Nigerian Optometric Association. *African Vision and Eye Health*, 79(1). <https://doi.org/10.4102/aveh.v79i1.577>

(22) Federal Ministry of Health, Nigeria, & Sightsavers. (2019). National Eye Health Policy: Universal Eye Care Services Towards Universal Health Coverage. In *nationaleyehealthprogramme.org*. Federal Republic of Nigeria. https://www.nationaleyehealthprogramme.org/wp-content/uploads/2024/10/National-Eye-Health-Policy-1-5_compressed_compressed-compressed-1.pdf (23) Seeing in Believing. (2020). Situational Analysis: Children's Eye Health Needs and Services in Key States in Nigeria. In *iapb.org*. Standard Chartered Bank, International Agency for the Prevention of Blindness. <https://www.iapb.org/wp-content/uploads/2020/09/SITUATIONAL-ANALYSIS-NIGERIA-SUMMARY.pdf> (24) International Trade Administration. (2023, June 6). Nigeria - Country Commercial Guide (Healthcare). *www.trade.gov*; International Trade Administration. <https://www.trade.gov/country-commercial-guides/nigeria-healthcare> (25) CIA. (2024). Nigeria - The World Factbook. *www.cia.gov*. <https://www.cia.gov/the-world-factbook/countries/nigeria/#people-and-society> (26) Institute for Health Metrics and Evaluation. (n.d.). Nigeria. *www.healthdata.org*; IHME. <https://www.healthdata.org/research-analysis/health-by-location/profiles/nigeria> (27) Integral Human Development. (2023, April). Migration profile - Nigeria. Migrants & Refugees Section; Integral Human Development. <https://migrants-refugees.va/country-profile/nigeria/> (28) Adio, A. O. (2020). School Eye Health in Nigeria: The Situation Now and the Way Forward. *Transactions of the Ophthalmological Society of Nigeria*, 5(1), 30-42. Retrieved from <https://tosn.org.ng/index.php/home/article/view/56> (29) Defence Health Maintenance Limited. (n.d.). About NHIS. *www.dhminigeria.com*; Defence Health Maintenance Limited. <https://www.dhminigeria.com/aboutnhis/> (30) Federal Ministry of Health & Social Welfare, Nigeria. (2023). National Eye Health Strategic Development Plan (2024-2028). In *Ophthalmological Society of Nigeria*. Federal Republic of Nigeria. <https://osnnigeria.org/wp-content/uploads/2023/11/NATIONAL-EYE-HEALTH-STRATEGIC-DEVELOPMENT-PLAN-2024-2028.pdf> (31) Resnikoff, S., Lansingh, V. C., Washburn, L., Felch, W., Gauthier, T.-M., Taylor, H. R., et al. (2019). Estimated number of ophthalmologists worldwide (International Council of Ophthalmology update): will we meet the needs? *British Journal of Ophthalmology*, 104, 588-592. <https://doi.org/10.1136/bjophthalmol-2019-314336> (32) Ike, Dr. P. I. (2022, August 5). Mobilizing towards equitable eye care: Action steps for developing economies. *World Economic Forum*. <https://www.weforum.org/stories/2022/08/mobilizing-towards-eye-health-equity-in-developing-economies/> (33) Bognunoko, T., Hassan, A., Akanbi, T., Ashaye, A., & Akinye, A. (2017). Analysis of Human Resources for Eye Health in Ogun State of Nigeria: Progress towards Vision 2020. *British Journal of Medicine and Medical Research*, 19(10), 1-9. <https://doi.org/10.9734/bjmmr/2017/31702> (34) National Eye Health Programme. (2022, August 31). National Eye Health Programme. National Eye Health Programme. <https://www.nationaleyehealthprogramme.org/> (35) Nathaniel, G., Eze, U. A., & Adio, A. O. (2022). Vision 2020 - The right to sight: How much has been achieved in Nigeria? And what next? *Nigerian Journal of Medicine*, 31(3), 366. https://doi.org/10.4103/njm.njm_187_21 (36) Ileyemi, M. (2022, February 9). Lagos launches eye programme for students across schools. *Premiumtimesng.com*; The Premium Times, Nigeria. <https://www.premiumtimesng.com/news/more-news/510513-lagos-launches-eye-programme-for-students-across-schools.html?ttc=1> (37) Erunke, J. (2022, July 16). Optometrists seek proper implementation of Nat'l Eye Health Policy. *Vanguard News*; Vanguard Media Limited, Nigeria. <https://www.vanguardngr.com/2022/07/optometrists-seek-proper-implementation-of-natl-eye-health-policy/> (38) Aghaji, A., Burchett, H. E. D., Oguego, N., Hameed, S., & Gilbert, C. (2021). Human resource and governance challenges in the delivery of primary eye care: a mixed methods feasibility study in Nigeria. *BMC Health Services Research*, 21(1). <https://doi.org/10.1186/s12913-021-07362-8> (39) Ramke, J., Zwi, A. B., Lee, A. C., Blignault, I., & Gilbert, C. E. (2017). Inequality in cataract blindness and services: moving beyond unidimensional analyses of social position. *British Journal of Ophthalmology*, 101(4), 395-400. <https://doi.org/10.1136/bjophthalmol-2016-309691> (40) Eyelanders. (2024, June 22). The Impact of Technology on Eye Care Delivery in Nigeria. *Eyelandersng.com*; Eyelanders. <https://www.eyelandersng.com/the-impact-of-technology-on-eye-care-delivery-in-nigeria/> (41) Brien Holden Vision Institute. (2019). Spectacle compliance among school children in Malawi, Nigeria and Pakistan. *The World Bank*. Global Partnership for Education. <https://www.globalpartnership.org/content/spectacle-compliance-among-school-children-malawi-nigeria-and-pakistan> (42) Chiroma, M. R., & Janda, A. M. (2017). Impact of Uncorrected Presbyopia on the Quality of Life in Rural Gwagwalada, Nigeria. *Journal of Community Medicine and Primary Health Care*, 29(1), 68-73. <https://www.ajol.info/index.php/cjmph/article/view/160834> (43) Adepoju, F., Olokoba, B. L., Olatunji, V. A., Obajolowo, T. S., Bolariwa, T., & Yusuf, I. (2022). Community Eye Care Outreaches through Collaborations with Community-Based Organisations in Resource-Poor Settings in Ilorin, Nigeria. *Journal of West African College of Surgeons*, 12(3), 79-83. https://doi.org/10.4103/wjas.wjas_151_22 (44) World Health Organization. (2021). Integrated people-centred eye care, including preventable vision impairment and blindness Global targets for 2030 Draft decision. In *World Health Organization*. https://apps.who.int/gb/ebwha/pdf_files/NHA/74/A74_9Add3-en.pdf