

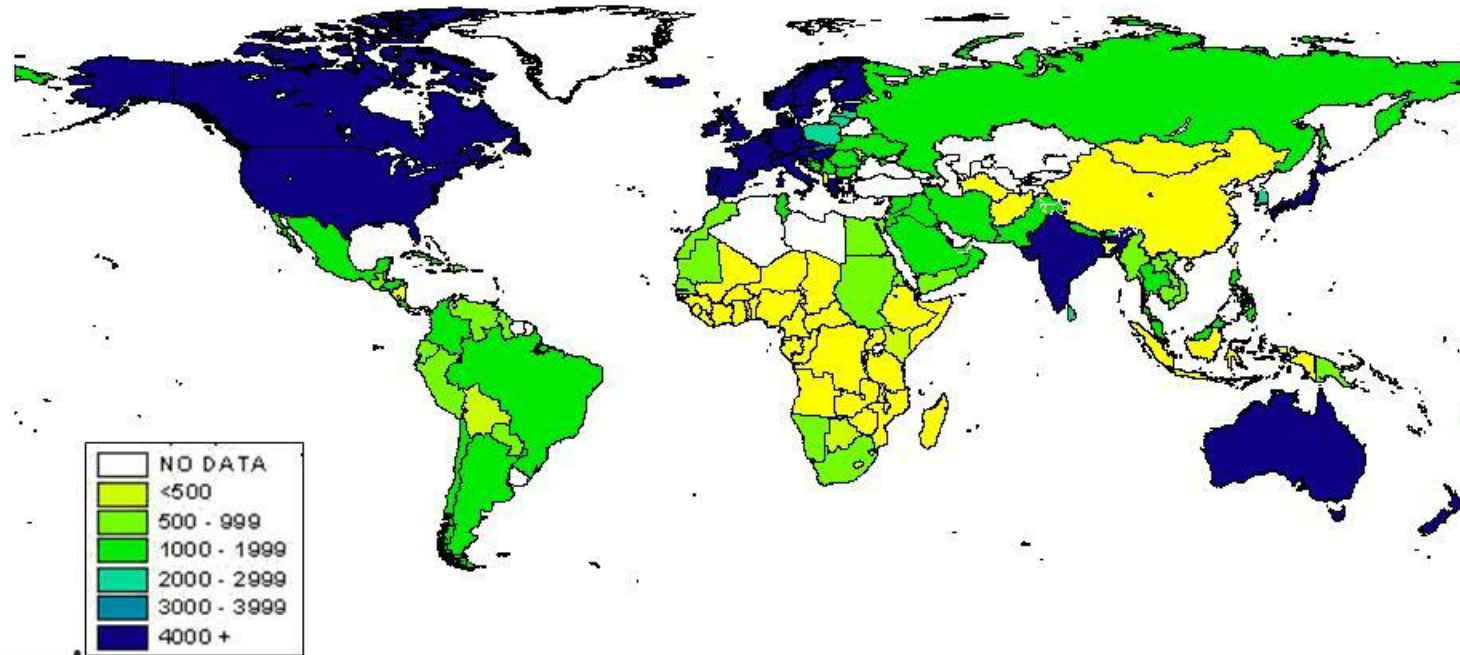
# Overview/Evolution of Cataract Surgery In Ghana

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<http://atlas.iapb.org/gvd-maps/#AllAges>

## Global Cataract Surgical Rates 2004

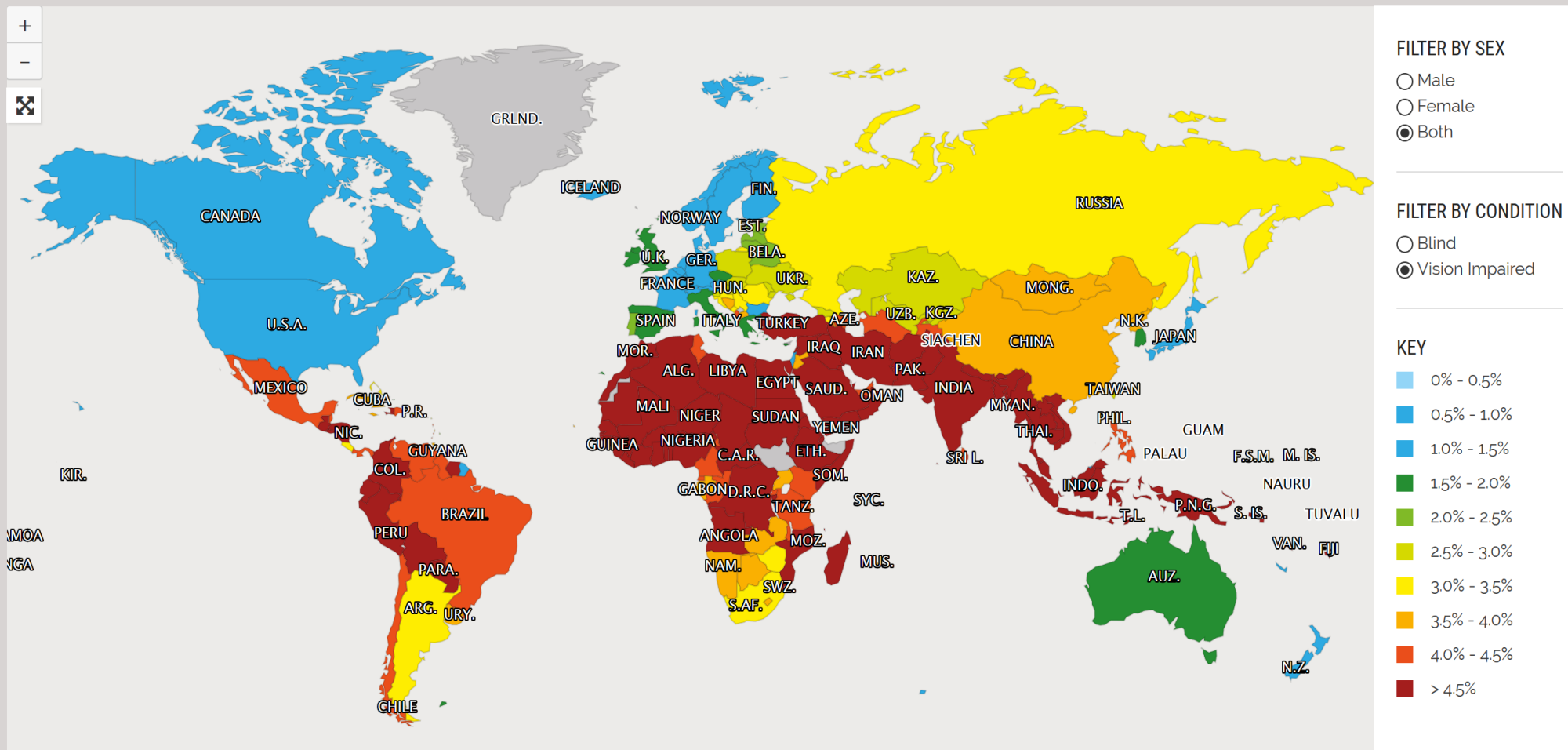
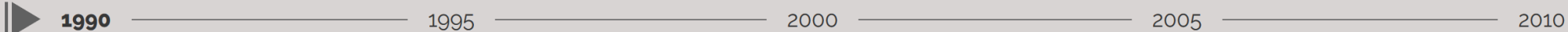


The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

# More recent CSR

(Comm Eye Health Vol. 30 No. 100 2018 pp 88-89).

	<b>CSR</b>	<b>Year</b>
United States	6,353	2010
Australia	7,202	2014
Japan	10,198	2013
Ghana	710	2014



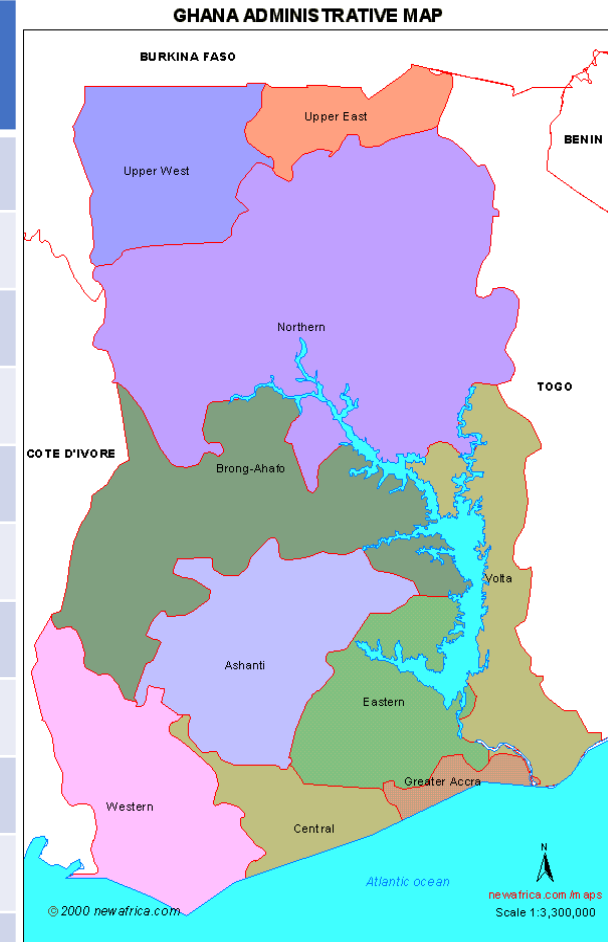
- Our journey so far moving from the Red Corner to the Blue Corner

# Factors that drive high CSR

- Accessibility of service
- Affordability of service
- Guaranteed outcome
  - Type of surgery
  - Low endophthalmitis rate
  - Low posterior capsule rupture rate
    - Adequate management of PCR when it occurs
  - High rate of expected post-op refraction achievement
- Confidence to take on less matured cataract

# Accessibility - Regional Distribution of Ophthalmologists in Ghana: Fixed Stations

Region	Population		Ophthalmologist	
	2010	2015	2012	2015
Ashanti	4,725,066		13	20
B Ahafo	2,282,128		2	3
Central	2,107,209		2	2
Eastern	2,596,013		5	7
G Accra	3,909,764		34	50
Northern	2,486,557		1	1
U East	1,031,478		1	1
U West	667,763		0	1
Volta	2,099,876		2	3
Western	2,325,597		3	3
Ghana	24,233,431	27,409,893	63	91



# Accessibility: Outreach

- External Outreach Teams
- Internal outreach Teams with External Support
- Internal Outreach Teams with Local Support



# Affordability

- Out of pocket
- NHIS
- Private Insurance

# Guaranteed outcome: Type of Surgery

- ..\Documents\Medical Student Oph Edu\Lectures\Envision Ophthalmology\Barraque.mov

# Guaranteed outcome: Low endophthalmitis rate

- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4992095/table/tbl1/>
- Factors
  - Sterilisation
  - Draping
  - Patient factors



# Guaranteed outcome

- Low PCR rate
- Appropriate management of PCR

# Guaranteed outcome

- High rate of expected post-op refraction achievement
  - [..\Documents\Medical Student Oph Edu\Lectures\Envision Ophthalmology\C Zeiss Premium IOL Implantation part 2 - YouTube.flv](#)
  - Attention to Biometry
  - Astigmatism control

# Role of NGOs

- [..\Documents\OSG\MapGhana.pdf](#)
- SSI
  - Sponsored my training
  - Sponsored Dr Le Mesurier
  - DO Programme
  - Eastern and Volta Region programmes
- Unite for Sight: <https://www.uniteforsight.org/what-we-do>
- HCP: <https://www.cureblindness.org/work/where-we-work/ghana>

# High Volume Cataract Surgery In Ghana

# Phacoemulsification and Phaco+

- KATH
- Agarwal Eye Hospital
- KBTH



# Reflections

- Taken us over 30 years to move from ICCE to very limited Phaco+ in Ghana.
- We are still heavily dependent on external agencies in delivering our cataract surgical services.
- How long will our journey from the Red Corner to the Blue Corner of visual impairment take?
- Our leaders are still in the mode of talking WITH PRIDE about their cataract surgery done by ‘famous surgeons in Developed countries’
  - When will it become a matter of shame to them that they cannot get their medical needs in the country they lead?
- It is a development issue!

Thank you