

Vision Atlas

Global Action Plan Indicators

John Trevelyan

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GBD Super Region	GBD Region	Country	Population (000s)	Cataract Surgery		Human Resources for Eye Health			National GAP Planning & Evidence				
				Cataract Surgical Rate	Cataract Surgical Coverage % at level 3/60	Ophthalmologists per million	Optometrists per million	Allied Ophthalmic Personnel per million	Eye Health Prevalence Survey (since 2009)	Eye Health Systems Assessment Type*	National Eye Health Coordinator	National Eye Committee	Is there a National Eye Health Plan?
South Asia	South Asia	Bangladesh	155,257	1,193		6		8	RAAB	ECSAT	✓	✓	✓
	South Asia	Bhutan	744	1,553	73	11	5	83	RAAB		✓		✓
	South Asia	India	1,263,590	4,830		14	7	32	RAAB	ECSAT	✓	✓	✓
	South Asia	Nepal	27,501	4,364	85	7	2	22	RAAB	ECSAT	✓	✓	✓
	South Asia	Pakistan	177,392	2,819	77	13	8	10	Other	ECSAT	✓	✓	✓
South-East Asia, East Asia & Oceania	East Asia	China	1,355,387	1,402		21	1	39	RAAB		✓	✓	✓
	East Asia	North Korea	24,763			50			RAAB				
	East Asia	Taiwan	23,303			68							
	Oceania	Fiji	874			14	14		RAAB	ECSAT	✓	✓	
	Oceania	Guam	163			43							
	Oceania	Kiribati	107	2,185		9		103			✓	✓	
	Oceania	Marshall Islands	53			19							
	Oceania	Micronesia	104	531		10					✓		
	Oceania	Nauru	10										
	Oceania	New Caledonia	253										
	Oceania	Palau	21			48							
	Oceania	Papua New Guinea	7,155	196		2		11	RAAB	ECSAT	✓	✓	✓
	Oceania	Samoa	189			5	5	58			✓		
	Oceania	Solomon Islands	549	1,601		11		51	RAAB		✓	✓	✓
	Oceania	Tonga	105			10		57					
	Oceania	Tuvalu	10					101					
	Oceania	Vanuatu	247			4		36					
	South-East Asia	Cambodia	14,832	1,844	54	3	11	9	RAAB	EHSA	✓	✓	
	South-East Asia	Indonesia	248,038	1,411		6			RAAB		✓	✓	✓
	South-East Asia	Laos	6,473	888	55	4		21	RAAB	EHSA	✓	✓	✓
South-East Asia	Malaysia	29,022	1,397	90	13	54		RAAB	ECSAT	✓			

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GBD Super Region	GBD Region	Country	Population (000s)	Cataract Surgery		Human Resources for Eye Health			National GAP Planning & Evidence				
				Cataract Surgical Rate	Cataract Surgical Coverage % at level 3/60	Ophthalmologists per million	Optometrists per million	Allied Ophthalmic Personnel per million	Eye Health Prevalence Survey (since 2009)	Eye Health Systems Assessment Type*	National Eye Health Coordinator	National Eye Committee	Is there a National Eye Health Plan?
South-East Asia, East Asia & Oceania	South-East Asia	Maldives	345	1,441	93	35	29	58	RAAB		✓		✓
	South-East Asia	Mauritius	1,258	4,604		25	16	40			✓		
	South-East Asia	Myanmar	52,544	1,978		6	0.8	0.8	RAAB	ECSAT	✓		✓
	South-East Asia	Philippines	96,017	1,485		15	107		RAAB		✓	✓	✓
	South-East Asia	Seychelles	95			42	21	32			✓		
	South-East Asia	Sri Lanka	20,422	5,386	78	4	13		Prevalence study	ECSAT	✓	✓	✓
	South-East Asia	Thailand	67,164	3,102	95	18	0.7	13	RAAB	ECSAT	✓	✓	✓
	South-East Asia	Timor-Leste	1,102	784	46	5	0.9	12	RAAB	ECSAT	✓		✓
	South-East Asia	Viet Nam	90,336	2,435	67	15	0.1	19	RAAB	ECSAT	✓	✓	
Sub-Saharan Africa	Central Sub-Saharan Africa	Angola	22,686			1	0.7	11					
	Central Sub-Saharan Africa	Central African Republic	4,620			0.6	1	4			✓		
	Central Sub-Saharan Africa	Congo	4,286			2	0.2	12			✓		
	Central Sub-Saharan Africa	Democratic Republic of the Congo	70,291	157		1	0.3	2			✓		✓
	Central Sub-Saharan Africa	Equatorial Guinea	774			3	3						
	Central Sub-Saharan Africa	Gabon	1,613			19	4	7			✓		
	Eastern Sub-Saharan Africa	Burundi	10,125	247		2	0.2	3	RAAB		✓	✓	
	Eastern Sub-Saharan Africa	Comoros	734			1	1						
	Eastern Sub-Saharan Africa	Djibouti	853			7	19	18			✓		
	Eastern Sub-Saharan Africa	Eritrea	4,892		60	2	13	34	RAAB		✓		
	Eastern Sub-Saharan Africa	Ethiopia	92,191	434		2	3	4			✓		✓
	Eastern Sub-Saharan Africa	Kenya	42,543	494		2	3	9	RAAB	ECSAT	✓	✓	✓
	Eastern Sub-Saharan Africa	Madagascar	22,294	368		1	2	3	RAAB		✓	✓	✓
	Eastern Sub-Saharan Africa	Malawi	15,700	523		0.5	4	7	RAAB		✓	✓	✓
	Eastern Sub-Saharan Africa	Mozambique	25,733	333		10	1	7	RAAB		✓	✓	✓
	Eastern Sub-Saharan Africa	Rwanda	10,817	483	68	2	0.6	8	RAAB			✓	✓
Eastern Sub-Saharan Africa	Somalia	10,034			1	0.3	5			✓			

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GBD Super Region	GBD Region	Country	Population (000s)	Cataract Surgery		Human Resources for Eye Health			National GAP Planning & Evidence				
				Cataract Surgical Rate	Cataract Surgical Coverage % at level 3/60	Ophthalmologists per million	Optometrists per million	Allied Ophthalmic Personnel per million	Eye Health Prevalence Survey (since 2009)	Eye Health Systems Assessment Type*	National Eye Health Coordinator	National Eye Committee	Is there a National Eye Health Plan?
Sub-Saharan Africa	Eastern Sub-Saharan Africa	South Sudan	10,981	240		0.5	0.2	6			✓		
	Eastern Sub-Saharan Africa	Tanzania	48,646	518		0.8	6	8	RAAB	ECSAT	✓		✓
	Eastern Sub-Saharan Africa	Uganda	35,401	192		1	0.3	14	RAAB		✓		✓
	Eastern Sub-Saharan Africa	Zambia	14,787	690		2	3	10	RAAB	EHSA	✓	✓	
	Southern Sub-Saharan Africa	Botswana	2,133	1,490	76	8	36	32	RAAB		✓	✓	✓
	Southern Sub-Saharan Africa	Lesotho	2,057	937		2	3	16			✓		✓
	Southern Sub-Saharan Africa	Namibia	2,292			0.9					✓		
	Southern Sub-Saharan Africa	South Africa	52,837	847		6	66	3	RAAB		✓		✓
	Southern Sub-Saharan Africa	Swaziland	1,232			2	10	15		ECSAT	✓	✓	
	Southern Sub-Saharan Africa	Zimbabwe	14,565	631		2	4	11	RAAB		✓	✓	✓
	Western Sub-Saharan Africa	Benin	10,050	578		3	0.3	6			✓	✓	
	Western Sub-Saharan Africa	Burkina Faso	16,591			2	0.1	10	RAAB		✓		✓
	Western Sub-Saharan Africa	Cabo Verde	501			12	12				✓		
	Western Sub-Saharan Africa	Cameroon	21,659	686		3	0.5	8			✓	✓	
	Western Sub-Saharan Africa	Chad	12,715			0.6	0.1	5			✓		
	Western Sub-Saharan Africa	Cote D'Ivoire	21,103	150		5	0.5	6			✓	✓	✓
	Western Sub-Saharan Africa	Gambia	1,807		62	1	2	17	RAAB		✓	✓	✓
	Western Sub-Saharan Africa	Ghana	25,545	710		3	14	14	RAAB	EHSA	✓		
	Western Sub-Saharan Africa	Guinea	11,629	535		3	0.4	2			✓		
	Western Sub-Saharan Africa	Guinea-Bissau	1,715		32	2	5	9	RAAB		✓		
	Western Sub-Saharan Africa	Liberia	4,190	157	67	1	0.2	7	RAAB		✓	✓	
	Western Sub-Saharan Africa	Mali	16,112	807		3	2	12	RAAB		✓	✓	
	Western Sub-Saharan Africa	Mauritania	3,777			2							
	Western Sub-Saharan Africa	Niger	17,636	708		1	0.5	3			✓		
Western Sub-Saharan Africa	Nigeria	168,240	317	42	3	22	8	Other	ECSAT	✓		✓	
Western Sub-Saharan Africa	Sao Tome and Principe	178			6	6	28			✓			

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GBD Super Region	GBD Region	Country	Population (000s)	Cataract Surgery		Human Resources for Eye Health			National GAP Planning & Evidence				
				Cataract Surgical Rate	Cataract Surgical Coverage % at level 3/60	Ophthalmologists per million	Optometrists per million	Allied Ophthalmic Personnel per million	Eye Health Prevalence Survey (since 2009)	Eye Health Systems Assessment Type*	National Eye Health Coordinator	National Eye Committee	Is there a National Eye Health Plan?
Sub-Saharan Africa	Western Sub-Saharan Africa	Senegal	13,780	472		4	0.3	10	RAAB		✓		
	Western Sub-Saharan Africa	Sierra Leone	6,043	409	42	1.0	0.7	8	RAAB	EHSA	✓	✓	✓
	Western Sub-Saharan Africa	Togo	6,746	429		3	0.6	12			✓		✓
North Africa & Middle East	North Africa & Middle East	Afghanistan	29,727	717		5	0.2	4	RAAB	ECSAT	✓	✓	✓
	North Africa & Middle East	Algeria	37,439			27							
	North Africa & Middle East	Bahrain	1,334			49					✓		✓
	North Africa & Middle East	Egypt	85,661	2,761		60		175	RAAB	ECSAT	✓		✓
	North Africa & Middle East	Iran	76,157			24	26	118	RAAB	ECSAT			✓
	North Africa & Middle East	Iraq	32,958			31		2					✓
	North Africa & Middle East	Jordan	6,994			59	184	53	RAAB	ECSAT	✓	✓	✓
	North Africa & Middle East	Kuwait	3,420	1,462		50	17				✓	✓	✓
	North Africa & Middle East	Lebanon	4,924			50							
	North Africa & Middle East	Libya	6,283			41		43	RAAB		✓		✓
	North Africa & Middle East	Morocco	32,984	2,924		36	73	73			✓	✓	✓
	North Africa & Middle East	Oman	3,545	969		63	99			ECSAT	✓	✓	✓
	North Africa & Middle East	Palestine	4,298		83	17	44		RAAB				
	North Africa & Middle East	Qatar	2,016			62	73	55	RAAB		✓	✓	✓
	North Africa & Middle East	Saudi Arabia	29,496	1,187		60	19	9	RAAB		✓	✓	✓
	North Africa & Middle East	Sudan	37,712	2,121		13	47	27	RAAB	ECSAT	✓		
	North Africa & Middle East	Syria	19,979			34							
	North Africa & Middle East	Tunisia	10,881			55		171					
	North Africa & Middle East	Turkey	74,849			47							
	North Africa & Middle East	United Arab Emirates	8,953			14					✓		
North Africa & Middle East	Yemen	24,883			14	2	13	RAAB		✓			
Latin America & Caribbean	Andean Latin America	Bolivia	10,239	586	57	34	4		RAAB		✓	✓	
	Andean Latin America	Ecuador	15,419	972	81	24			RAAB		✓	✓	

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GBD Super Region	GBD Region	Country	Population (000s)	Cataract Surgery		Human Resources for Eye Health			National GAP Planning & Evidence				
				Cataract Surgical Rate	Cataract Surgical Coverage % at level 3/60	Ophthalmologists per million	Optometrists per million	Allied Ophthalmic Personnel per million	Eye Health Prevalence Survey (since 2009)	Eye Health Systems Assessment Type*	National Eye Health Coordinator	National Eye Committee	Is there a National Eye Health Plan?
Latin America & Caribbean	Andean Latin America	Peru	30,159	1,143	63	34	50		RAAB		✓	✓	✓
	Central Latin America	Colombia	46,881	2,005		43	126					✓	✓
	Central Latin America	Costa Rica	4,654	2,950		29					✓	✓	✓
	Central Latin America	El Salvador	6,072	2,015	59	28			RAAB		✓	✓	✓
	Central Latin America	Guatemala	15,369	781	52	16			RAAB	ECSAT	✓	✓	
	Central Latin America	Honduras	7,736	723	71	13			RAAB		✓	✓	✓
	Central Latin America	Mexico	122,071	1,475		45	59	46	RAAB		✓	✓	✓
	Central Latin America	Nicaragua	5,877	1,749		17					✓	✓	
	Central Latin America	Panama	3,744	1,563	76	31	4		RAAB		✓	✓	✓
	Central Latin America	Venezuela	29,854	2,027	64	59			RAAB		✓	✓	
	Tropical Latin America	Brazil	202,402	3,165		73	30				✓	✓	
	Tropical Latin America	Paraguay	6,379	1,538	89	34			RAAB		✓	✓	✓
	Caribbean	Antigua and Barbuda	89	370		22	11	67			✓		
	Caribbean	Bahamas	372	1,332		24	13	35					
	Caribbean	Barbados	282	5,647		67	64	82			✓	✓	
	Caribbean	Belize	337	639		15	18	24		ECSAT			
	Caribbean	Cuba	11,343	3,115		166			RAAB		✓		
	Caribbean	Dominica	72			14							
	Caribbean	Dominican Republic	10,155	2,167	60	42			RAAB				
	Caribbean	French Guiana	247										
	Caribbean	Grenada	105	1,214		38							
	Caribbean	Guyana	758	2,413		13	21	40		ECSAT	✓	✓	✓
	Caribbean	Haiti	10,289	542		6	0.7	10			✓	✓	
	Caribbean	Jamaica	2,763	264		18	6	30			✓		
Caribbean	Puerto Rico	3,696			45	124							
Caribbean	Saint Kitts and Nevis	54	1,454		56	75	93			✓			

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GBD Super Region	GBD Region	Country	Population (000s)	Cataract Surgery		Human Resources for Eye Health			National GAP Planning & Evidence				
				Cataract Surgical Rate	Cataract Surgical Coverage % at level 3/60	Ophthalmologists per million	Optometrists per million	Allied Ophthalmic Personnel per million	Eye Health Prevalence Survey (since 2009)	Eye Health Systems Assessment Type*	National Eye Health Coordinator	National Eye Committee	Is there a National Eye Health Plan?
Latin America & Caribbean	Caribbean	Saint Lucia	181	2,455		44	39	61			✓	✓	
	Caribbean	Saint Vincent and the Grenadines	109	2,131		27	18						
	Caribbean	Suriname	529	8,202	94	19	9	32	RAAB		✓		
	Caribbean	Trinidad and Tobago	1,342			12	119						
Central Europe, Eastern Europe & Central Asia	Central Asia	Armenia	2,978			101							
	Central Asia	Azerbaijan	9,361			32							
	Central Asia	Georgia	4,139			72							
	Central Asia	Kazakhstan	16,821			35							
	Central Asia	Kyrgyzstan	5,648			46							
	Central Asia	Mongolia	2,808	1,068	71	40	0.7	93	RAAB		✓		✓
	Central Asia	Tajikistan	7,931			10							
	Central Asia	Turkmenistan	5,173			23							
	Central Asia	Uzbekistan	28,592			72							
	Central Europe	Albania	2,881			31							
	Central Europe	Bosnia and Herzegovina	3,828			52							
	Central Europe	Bulgaria	7,304	4,616		118	8						
	Central Europe	Croatia	4,287			97	31						
	Central Europe	Czech Republic	10,545	7,800		109	95						
	Central Europe	FYR Macedonia	2,069			77							
	Central Europe	Hungary	9,958	8,372	96	107	90	171	RAAB			✓	
	Central Europe	Montenegro	624										
	Central Europe	Poland	38,609			109	31						
	Central Europe	Romania	19,945	1,361		52	50						
	Central Europe	Serbia	8,983	2,478		83	3						
Central Europe	Slovakia	5,415			68	48							
Central Europe	Slovenia	2,063			77	10							

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GBD Super Region	GBD Region	Country	Population (000s)	Cataract Surgery		Human Resources for Eye Health			National GAP Planning & Evidence					
				Cataract Surgical Rate	Cataract Surgical Coverage % at level 3/60	Ophthalmologists per million	Optometrists per million	Allied Ophthalmic Personnel per million	Eye Health Prevalence Survey (since 2009)	Eye Health Systems Assessment Type*	National Eye Health Coordinator	National Eye Committee	Is there a National Eye Health Plan?	
Central Europe, Eastern Europe & Central Asia	Eastern Europe	Belarus	9,491			63								
	Eastern Europe	Estonia	1,324			98	174							
	Eastern Europe	Latvia	2,037	5,673		124	59							
	Eastern Europe	Lithuania	3,016	4,670		116								
	Eastern Europe	Moldova	4,075	977	69	56			RAAB					
	Eastern Europe	Russia	143,288			102					✓	✓		
	Eastern Europe	Ukraine	45,320			68								
High Income	Asia Pacific	Brunei Darussalam	406			39	22							
	Asia Pacific	Japan	127,140	10,198		101	57	79						
	Asia Pacific	Singapore	5,300	2,627		25	194	453		ECSAT				
	Asia Pacific	South Korea	49,608			56								
	North America	Canada	34,868			33	159							
	North America	United States	314,799	6,353		60	129	159						✓
	Southern Latin America	Argentina	42,095	6,748	97	130			RAAB		✓	✓		
	Southern Latin America	Chile	17,388	2,434		46	2	49			✓	✓		
	Southern Latin America	Uruguay	3,397	2,161	90	57		226	RAAB		✓	✓		
	Western Europe	Andorra	79											
	Western Europe	Austria	8,455			95	105							
	Western Europe	Belgium	11,080			99	36							
	Western Europe	Cyprus	1,129			58	68							
	Western Europe	Denmark	5,601			80	321							
	Western Europe	Finland	5,425			105	258							
	Western Europe	France	63,562			110	47							
	Western Europe	Germany	80,478			82								
Western Europe	Greece	11,110			180									
Western Europe	Iceland	323			102									

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				Cataract Surgical Rate	Cataract Surgical Coverage % at level 3/60	Ophthalmologists per million	Optometrists per million	Allied Ophthalmic Personnel per million	Eye Health Prevalence Survey (since 2009)	Eye Health Systems Assessment Type*	National Eye Health Coordinator	National Eye Committee	Is there a National Eye Health Plan?	
High Income	Western Europe	Ireland	4,668			36	150							
	Western Europe	Israel	7,695			84								
	Western Europe	Italy	59,738			68	17							
	Western Europe	Luxembourg	532			94								
	Western Europe	Malta	416	11,085		51	36	7						
	Western Europe	Netherlands	16,749			55	54							
	Western Europe	Norway	5,018			78	299	100						
	Western Europe	Portugal	10,515			70	149							
	Western Europe	San Marino	31											
	Western Europe	Spain	46,637			71	365							
	Western Europe	Sweden	9,543			78	210							
	Western Europe	Switzerland	8,023			94	115							
	Western Europe	United Kingdom	63,574			50	224							✓
	Australasia	Australia	22,911	7,202		39	216			ECSAT		✓		✓
	Australasia	New Zealand	4,436			26	157							

Accurate as at 6th September 2017. For the complete and latest set of data, please see the website: <http://atlas.iapb.org>

*ECSAT = Eye Care Service Assessment Tool; EHSAT = Eye Health Systems Assessment