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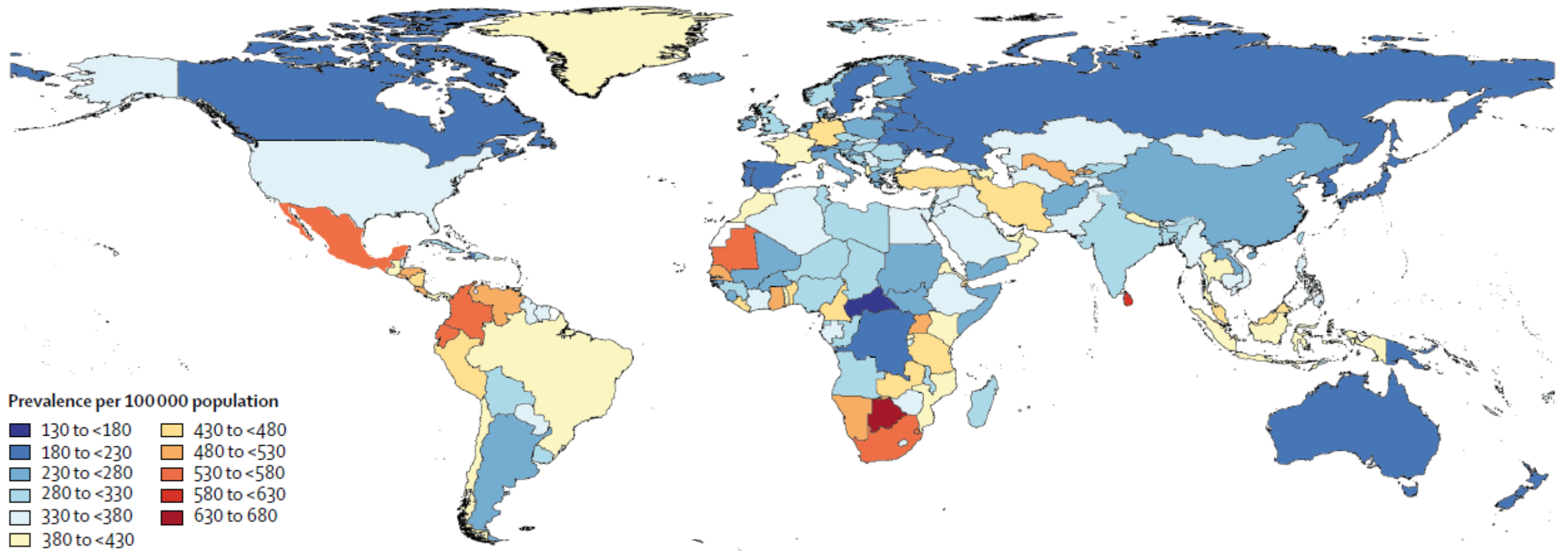
@epileptologo

Global disparities in epilepsy outcomes How does it differ in low-income countries and what can be done?

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Epidemiology

- 2006 → WHO: 50 million people had epilepsy
- 2015 → Epilepsy:
 - 5% of total neurological DALYs
 - 1.3 % of all deaths
 - Ranked 5th among neurological disorders

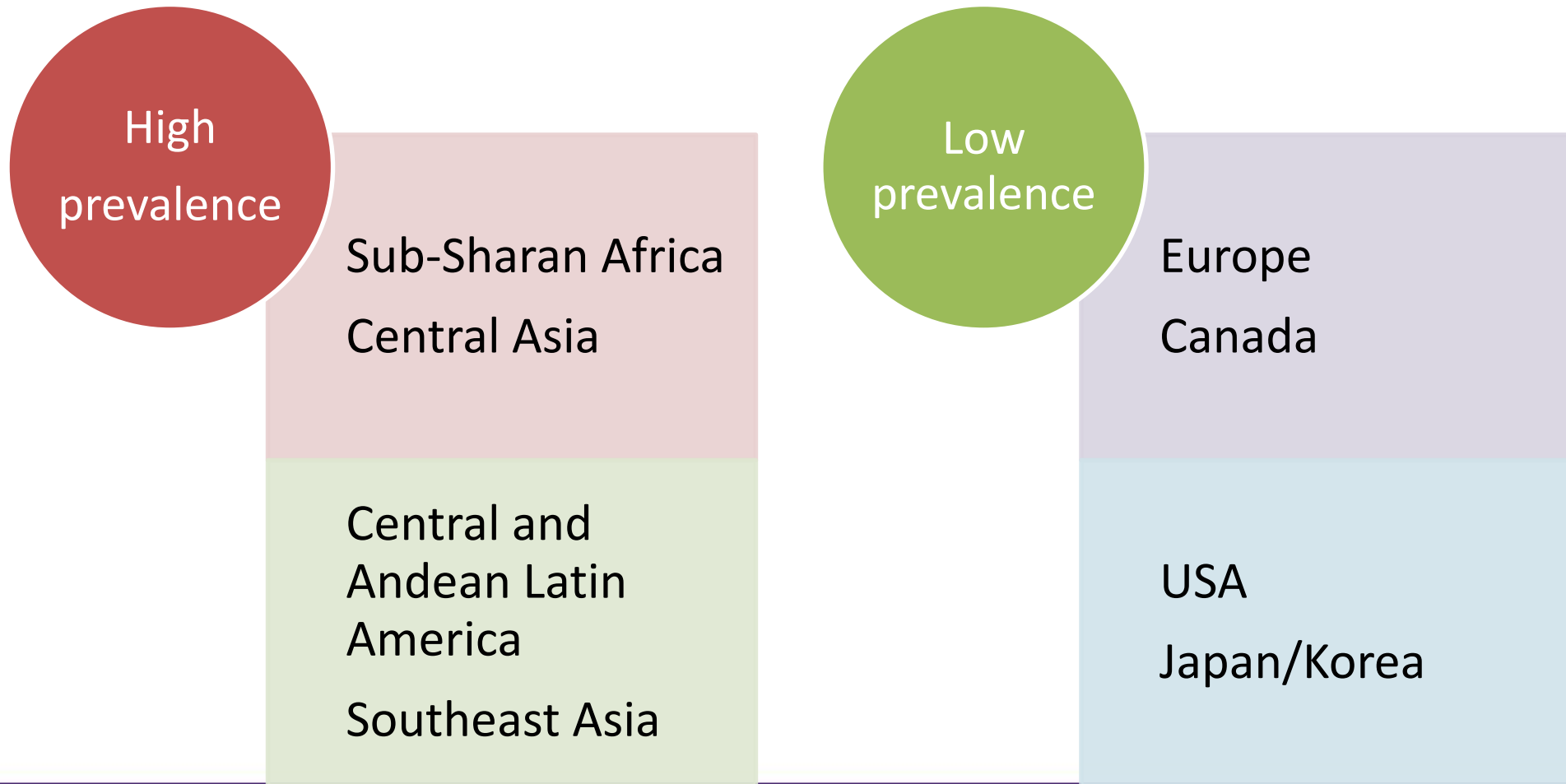


Age-standardized prevalence per 100 000 of epilepsy (2016)

2016

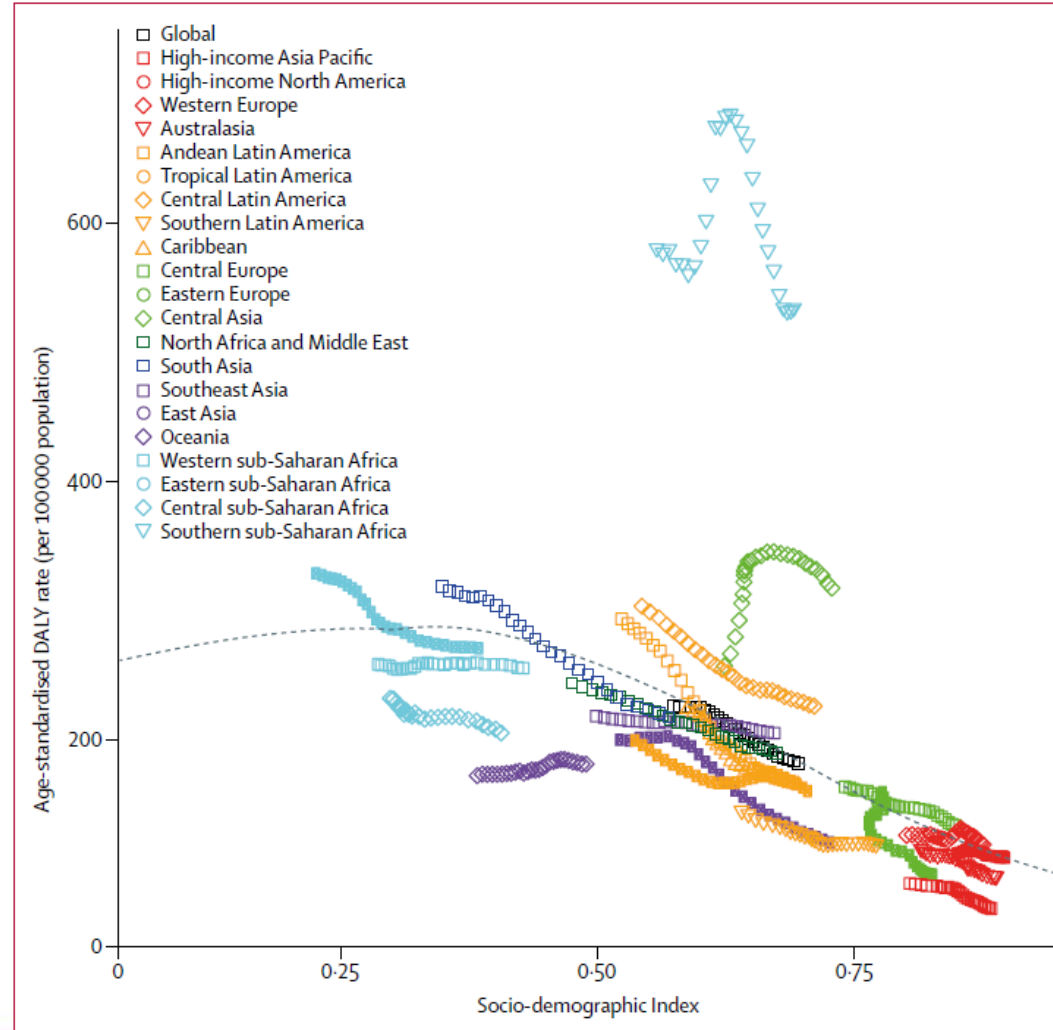
- 45.9 million individuals with active epilepsy (at least 1 seizure in last 12 months)
- 126 K epilepsy-related deaths
 - Epilepsy accounted for 0.23% of deaths
- 13.5 million DALYs
- 5.9 million YLLs
- 7.5 million YLDs

Regional differences

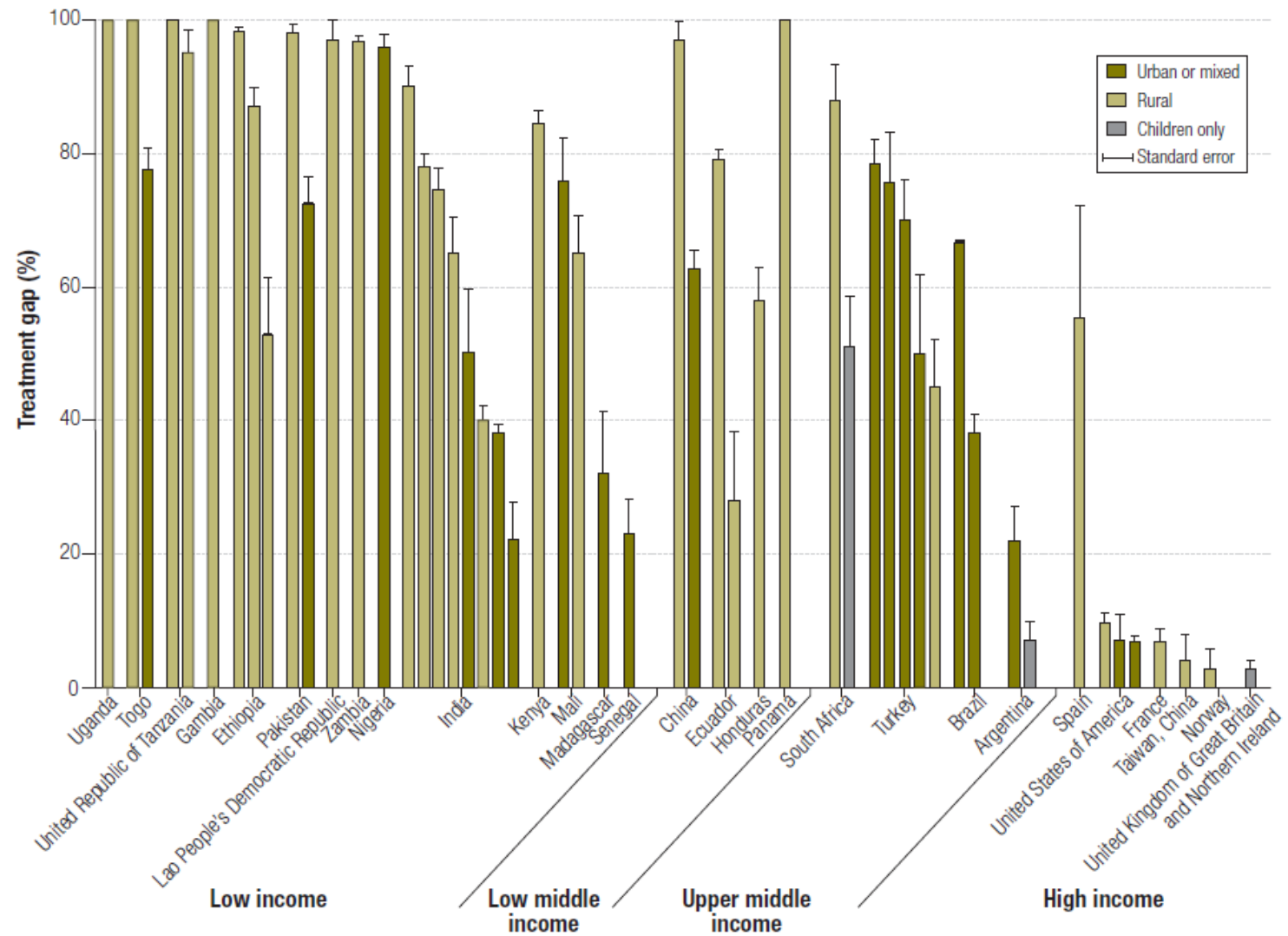


DALY

Disability-adjusted life-year

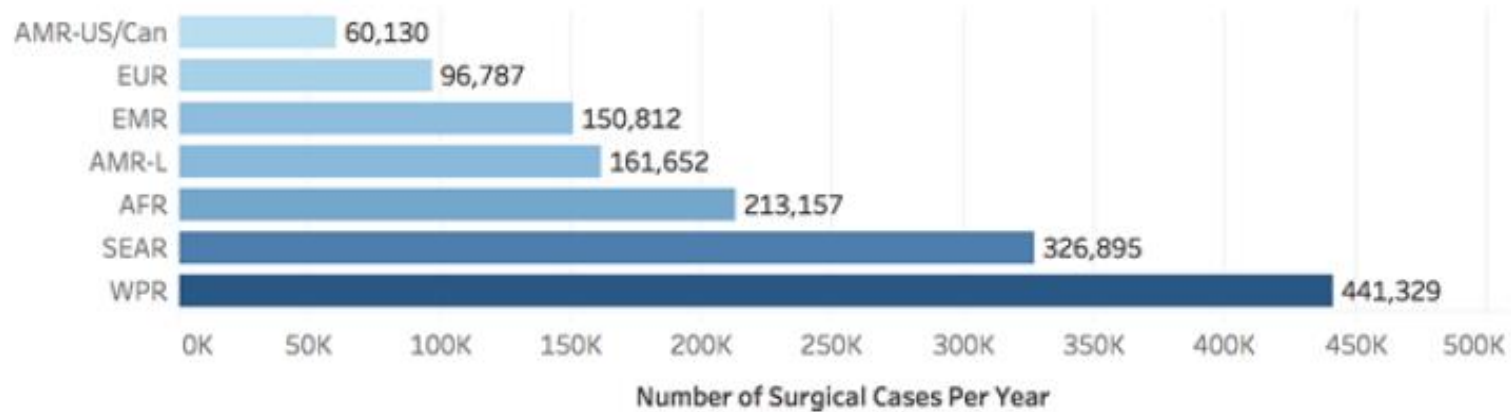


Treatment Gap



Surgery

Global burden of surgically treatable epilepsy



LITERATURE REVIEW

J Neurosurg 130:1127–1141, 2019

Within North America

Racial disparities in the use of surgical treatment for intractable temporal lobe epilepsy

J.G. Burneo, MD, MSPH; L. Black, RN; R.C. Knowlton, MD; E. Faught, MD;
R. Morawetz, MD; and R.I. Kuzniecky, MD



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Disparities in epilepsy: Report of a systematic review by the North American Commission of the International League Against Epilepsy

Jorge G. Burneo^{*}, Nathalie Jette[†], William Theodore[‡], Charles Begley[§], Karen Parko[¶], David J. Thurman^{**}, and Samuel Wiebe[†] for the Task Force on Disparities in Epilepsy Care, on behalf of the North American Commission of the International League Against Epilepsy

How to improve?

- Education
- Training
- System change



Epigraph Vol. 18 Issue 2, Fall 2016

A Population Based Strategy for Comprehensive Epilepsy Care in Ontario, Canada



Thanks