

A MULTICULTURAL
APPROACH TO
DECREASING
UNNECESSARY
ANTIBIOTIC
PRESCRIBING FOR
PHARYNGITIS

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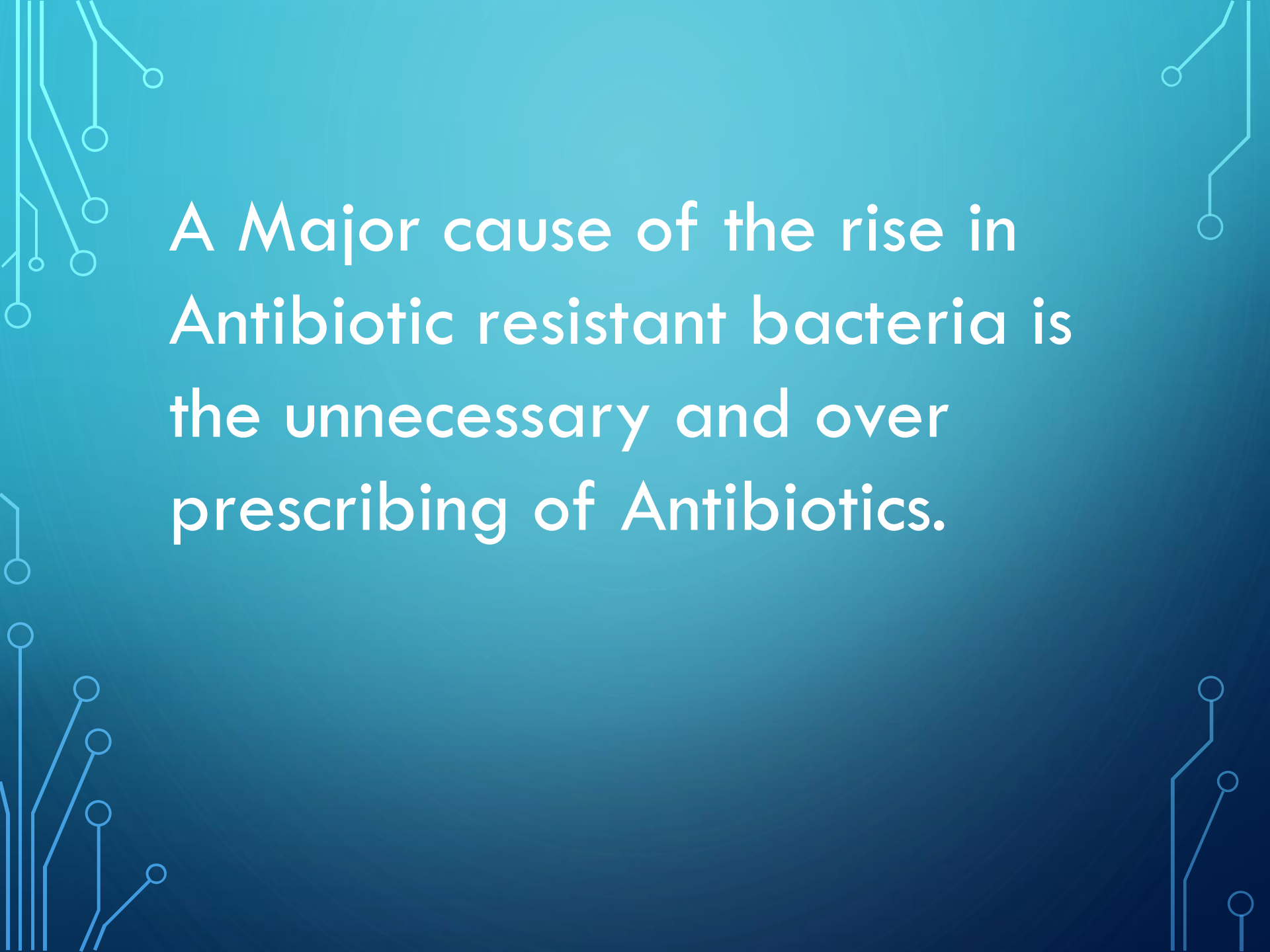


THE THREAT!

ANTIBIOTIC RESISTANCE **ALL OVER** OUR GLOBE.

- **US** Two million people are infected each year with microbes we cannot eradicate and 23,000 die.
- **Europe** 25,000 fatalities
- **India** 1 64,833 newborn deaths

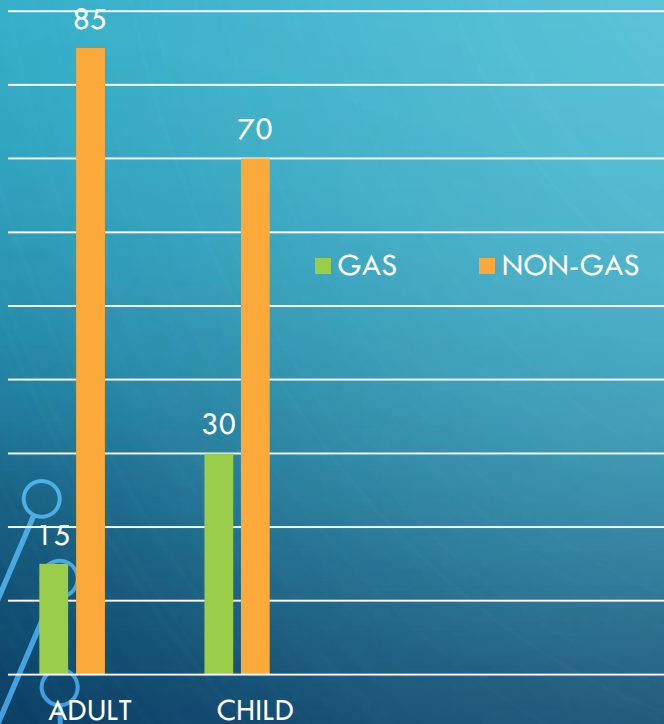


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A Major cause of the rise in Antibiotic resistant bacteria is the unnecessary and over prescribing of Antibiotics.

ANTIBIOTIC PRESCRIBING RATES VS ACTUAL EXISTANCE OF GROUP A STREPTOCOCCI PHARYNGITIS (GAS)

EPIDEMIOLOGY

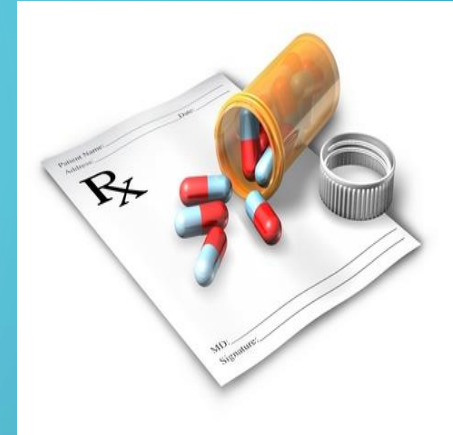


PRESCRIBING RATES FOR NON-GAS PHARYNGITIS

- 65% Nurse Practitioners
- 54% Physicians

ANTIBIOTIC STEWARDSHIP

- **Accountability**
- **Responsibility**
- **Prescribing based on clinical exam, laboratory data, & in accordance with evidence based guidelines**



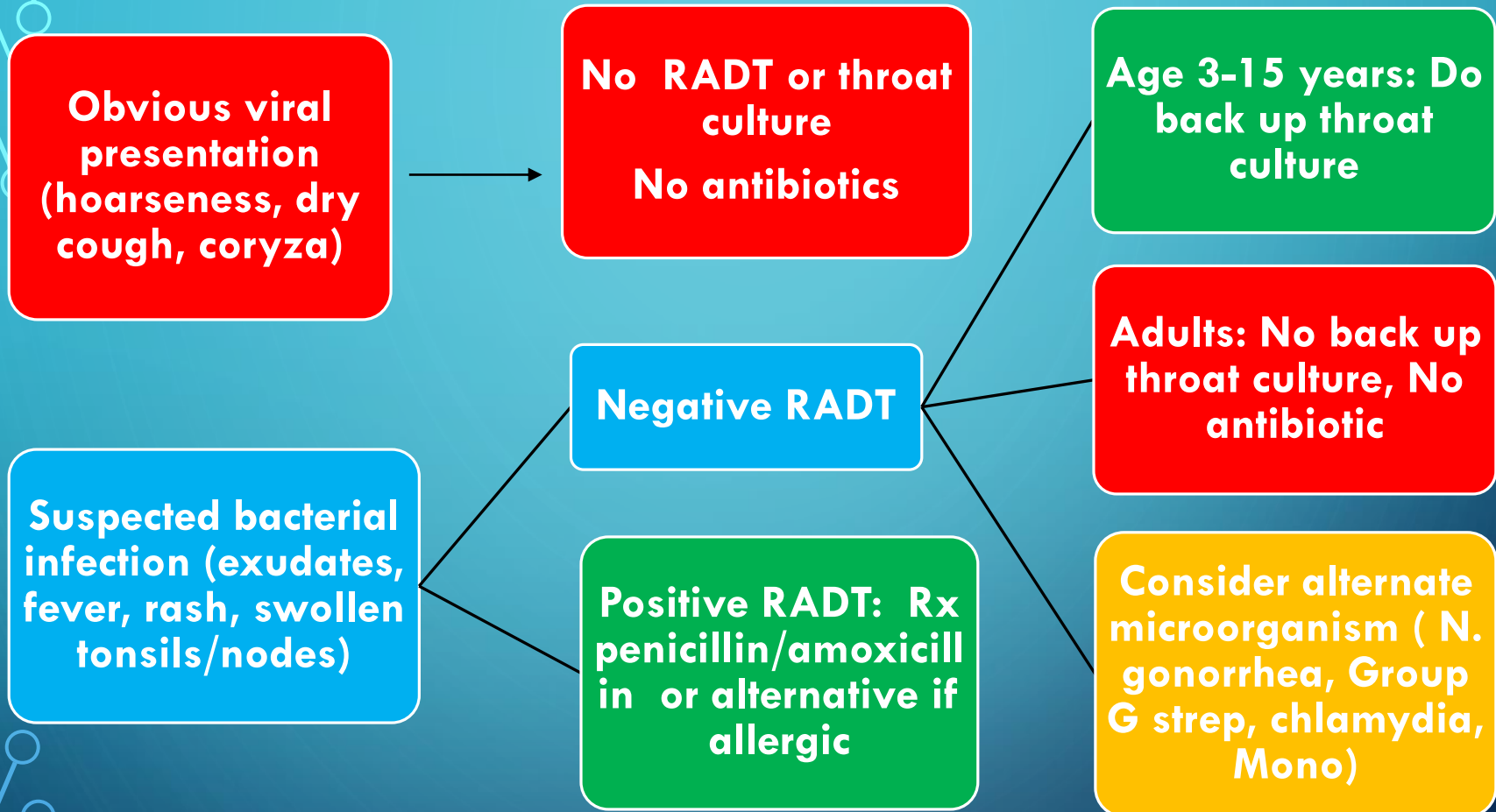
BARRIERS TO ANTIBIOTIC STEWARDSHIP

- *Clinician-patient communication*
- *Knowledge gap re guidelines*
- *Perceived pressure to prescribe*
- *Failure to ascertain the ideas, concerns and actual expectations of patients*
- *Practice setting/school-work factors*

PHARYNGITIS INTERNATIONAL GUIDELINES

Country	Rapid Antigen Test/Throat Culture	Clinical scoring	When to treat
US (IDSA) 2012	Yes for bacteria like presentation, no back up culture on adults	No	+ RADT
US (ICSI) 2013	Yes with back-up culture	No	+RADT/culture
Scotland (SIGN) 2010	No	Yes, not reliable	Severe cases
UK (NICE) 2008	No	Yes	Severe cases

ALGORITHM FOR PHARYNGITIS (IDSA)



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VIDEO

<https://www.youtube.com/watch?v=bBYZuRC6CQI>