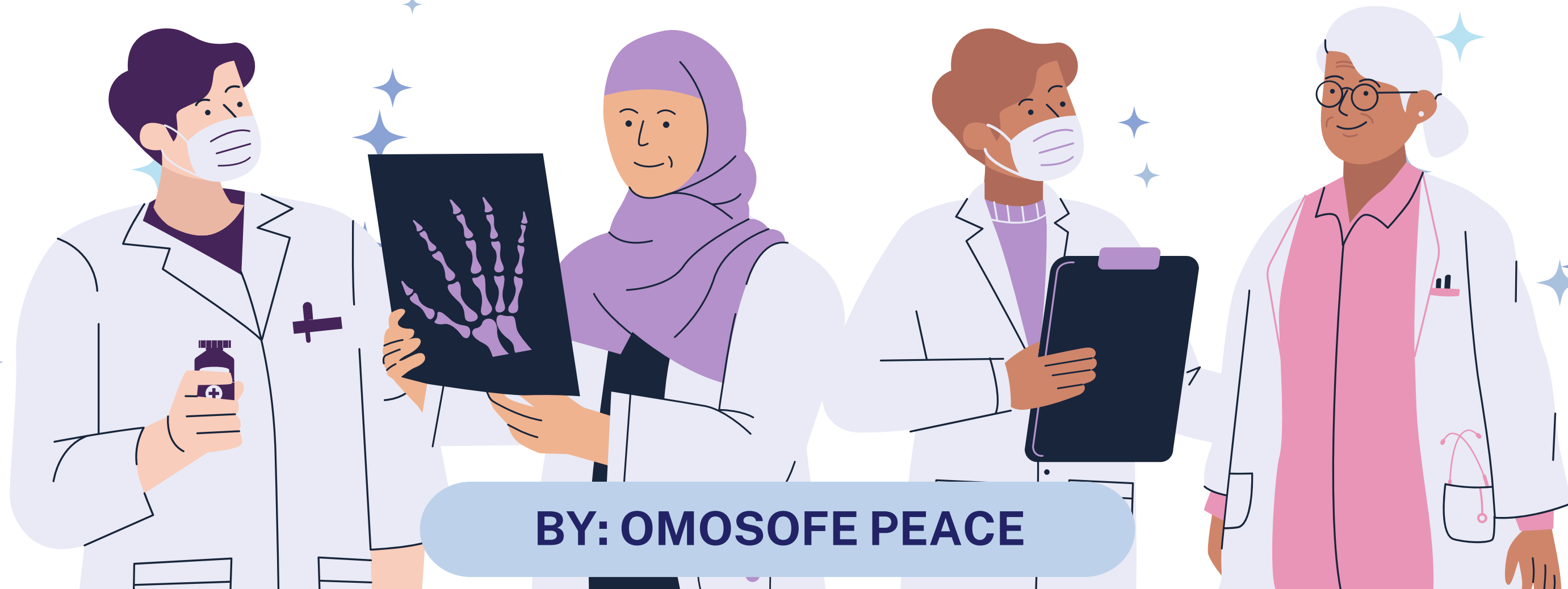


ANTIMICROBIAL RESISTANCE

A CALL TO STEWARDSHIP



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WHAT IS ANTIMICROBIAL RESISTANCE (AMR)?

- AMR occurs when bacteria, viruses, fungi, and parasites no longer respond to antimicrobial medicines.
- Results in ineffective treatments, harder-to-treat infections, and increased risk of disease spread, severe illness, and death.
- AMR is accelerated by misuse and overuse of antimicrobials in humans, animals, and plants.



GLOBAL SIGNIFICANCE OF AMR

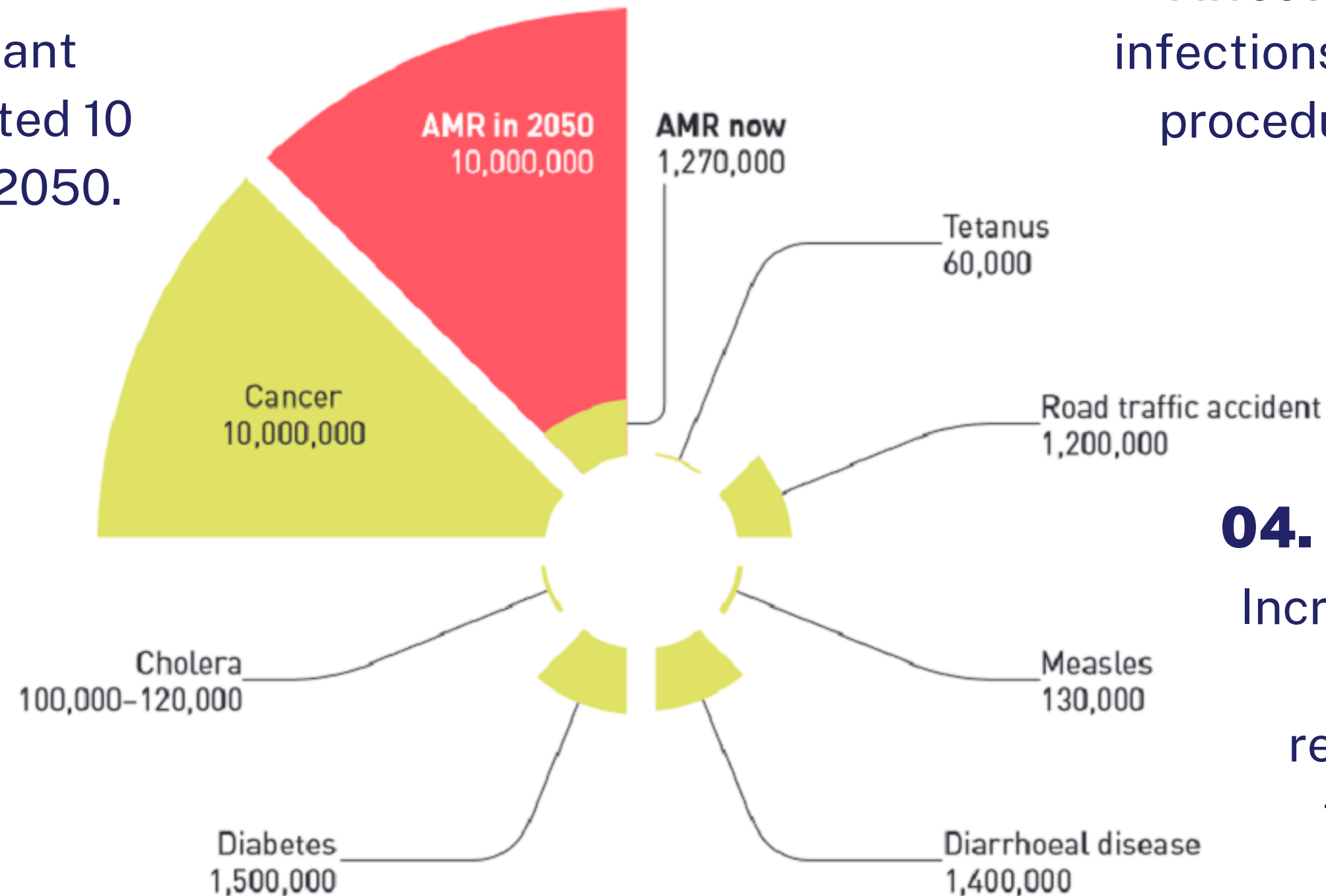
WHY IS AMR A GLOBAL THREAT??

01. STATISTICS

WHO estimates 1.27 million deaths due to drug-resistant infections in 2019. Predicted 10 million annual deaths by 2050.

03. GLOBAL IMPACT

AMR affects humans, plants, and animals globally, recognizing no borders, particularly severe in low- and middle-income countries with weaker healthcare infrastructure and less antibiotic regulation.



02. MEDICAL IMPACT

Affects ability to treat common infections and perform life-saving procedures (e.g., chemotherapy, surgeries).



04. ECONOMIC IMPACT

Increased healthcare costs, longer hospital stays, reduced productivity, and threats to food security.

CAUSES OF AMR



WHAT CAUSES ANTIMICROBIAL RESISTANCE?

Overuse and Misuse of Antibiotics:

- Unnecessary prescriptions
- Incomplete courses of treatment

Environmental Contamination:

- Discharge of untreated antibiotic waste
- Presence of antibiotic residues in soil, water, and food

Lack of Infection Prevention and Control:

- Poor hand hygiene in healthcare
- Inadequate sanitation and water treatment

Lack of New Antibiotic Development

STRATEGIES TO COMBAT AMR

HOW CAN WE ADDRESS AMR?



Responsible Antibiotic Use

- Only take prescribed antibiotics
- Avoid demanding antibiotics for viral infections
- Proper disposal of antibiotics



Infection Prevention Practices

- Good personal hygiene
- Vaccinations
- Safe food handling



Advocacy and Awareness

- Educate others about AMR
- Support antibiotic stewardship policies



CONCLUSION

- AMR is a global challenge needing coordinated response.
- Individual actions contribute significantly to combating AMR.
- Collective efforts are essential to preserve antibiotics and safeguard public health.

**THANKS FOR
LISTENING**

