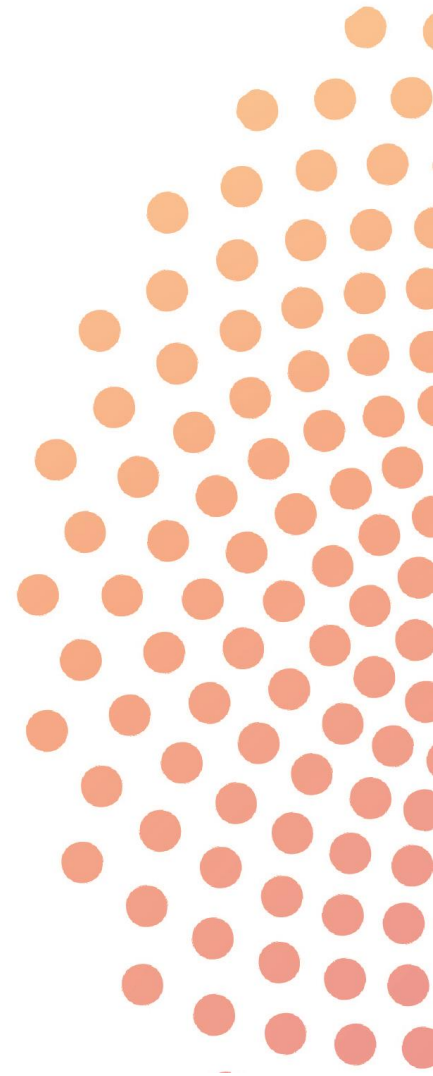


INDIA: COMBATTING THE RISE OF ANTIMICROBIAL RESISTANCE

Dr Abdul Ghafur

Coordinator

Chennai Declaration, India



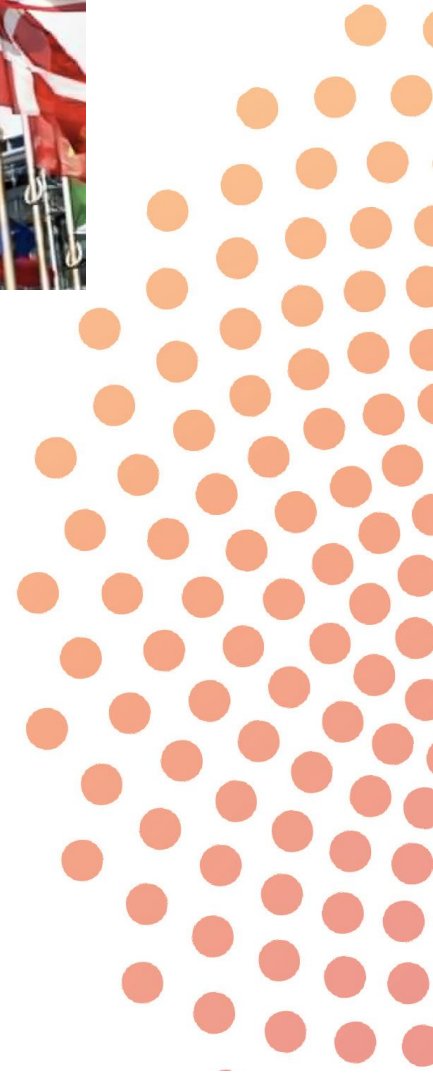


INDIA: COMBATTING THE RISE OF ANTIMICROBIAL RESISTANCE

Dr Abdul Ghafur

Coordinator

Chennai Declaration, India



POLITICIANS AND RESISTANCE

"Antibiotic

Resistance Threatens to
Plunge the World Back to
the Dark Ages of Medicine"

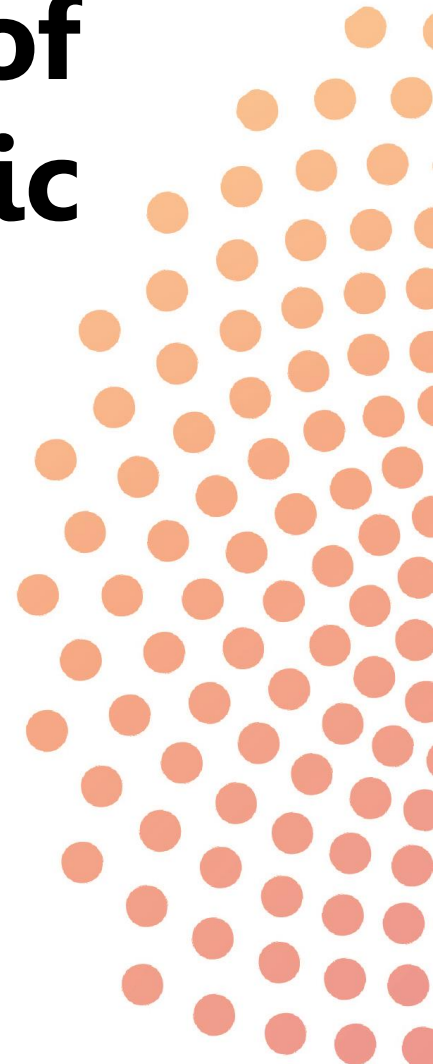
**British Prime Minister David
Cameron**



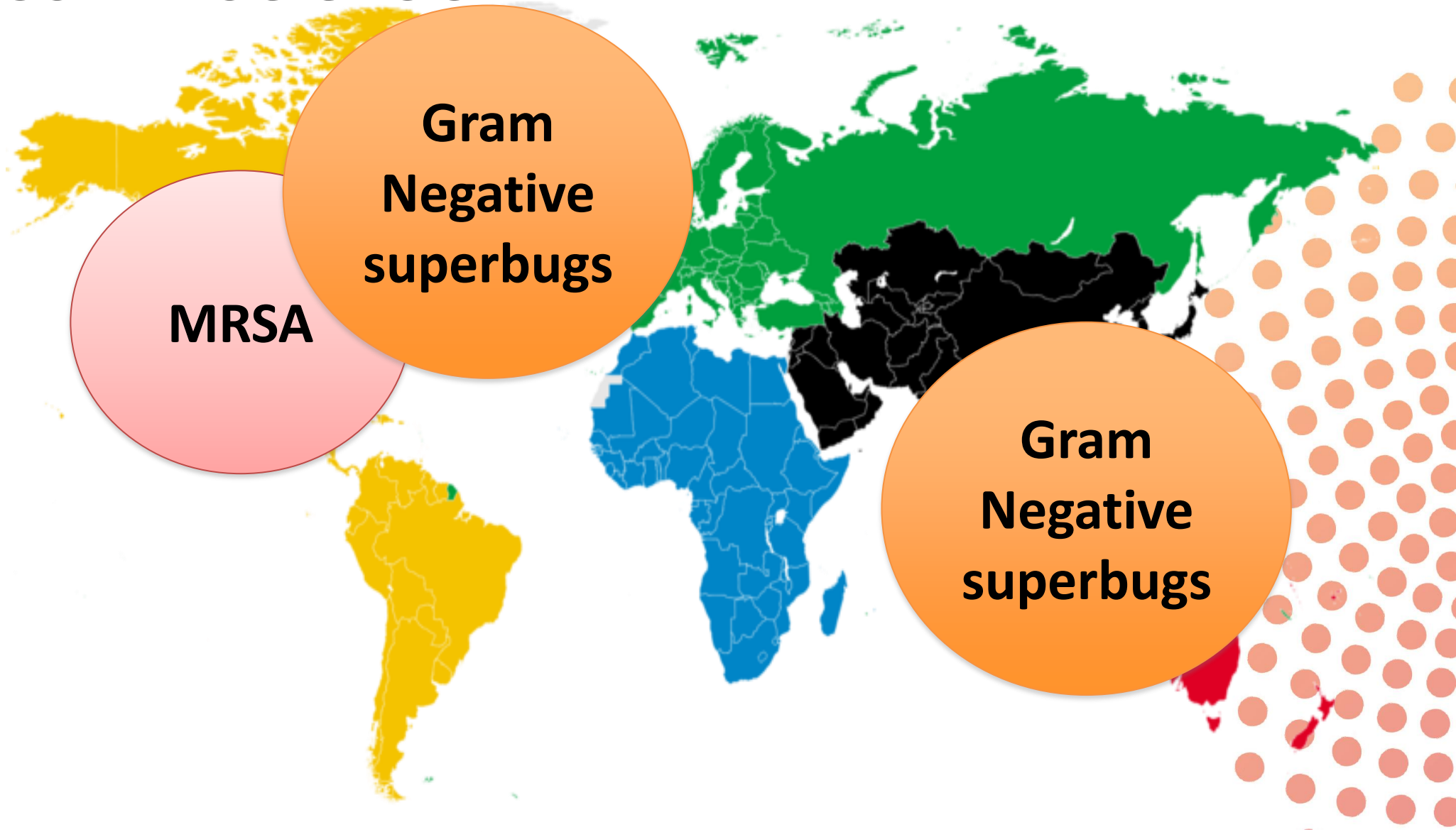
PUBLIC HEALTH CRISIS...

**Antibiotic resistance is one of
the most serious public
health issues of our time**

WHO 2014



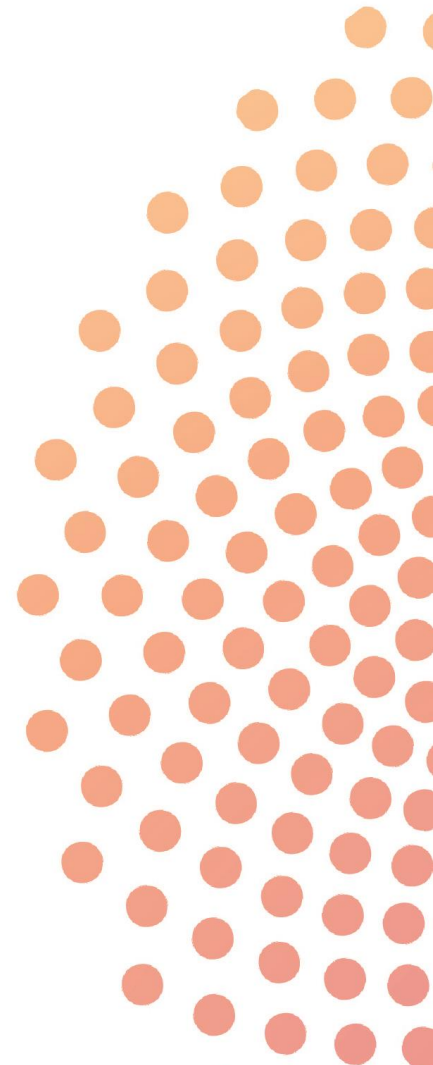
SUPERBUG CRISIS



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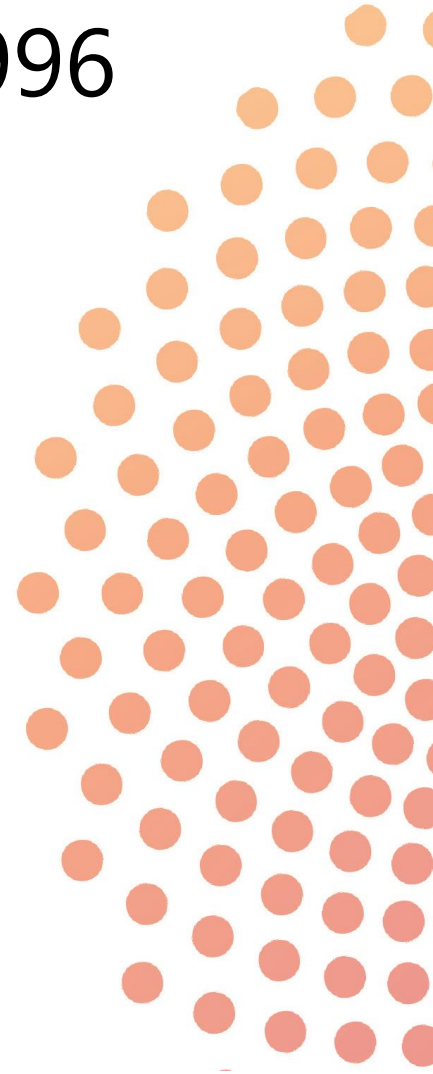
POLITICAL MEETINGS...



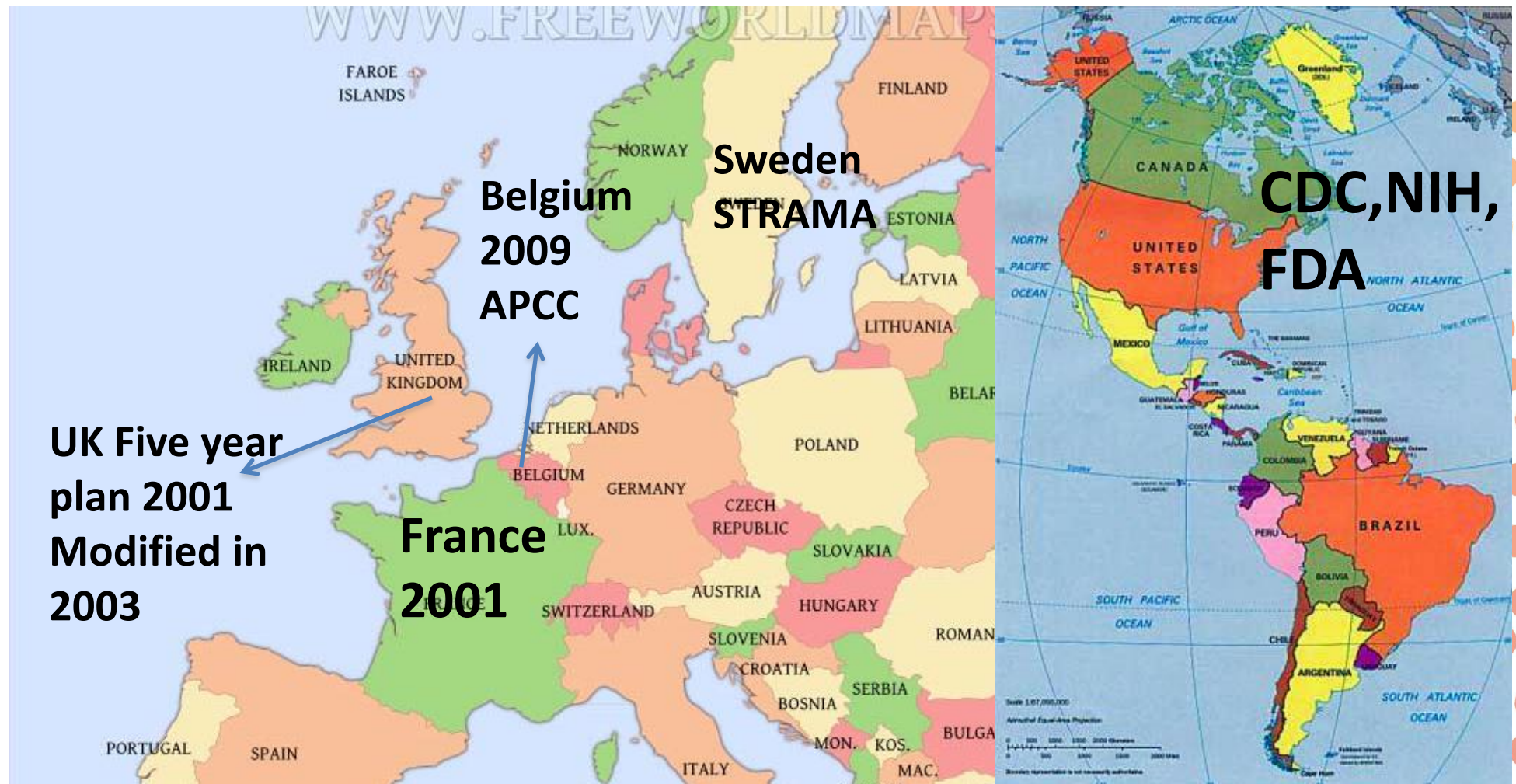
WORLD HEALTH ORGANISATION



- Meetings since 1996
- 2011-Focus of World Health day



NATIONAL LEVEL INITIATIVES



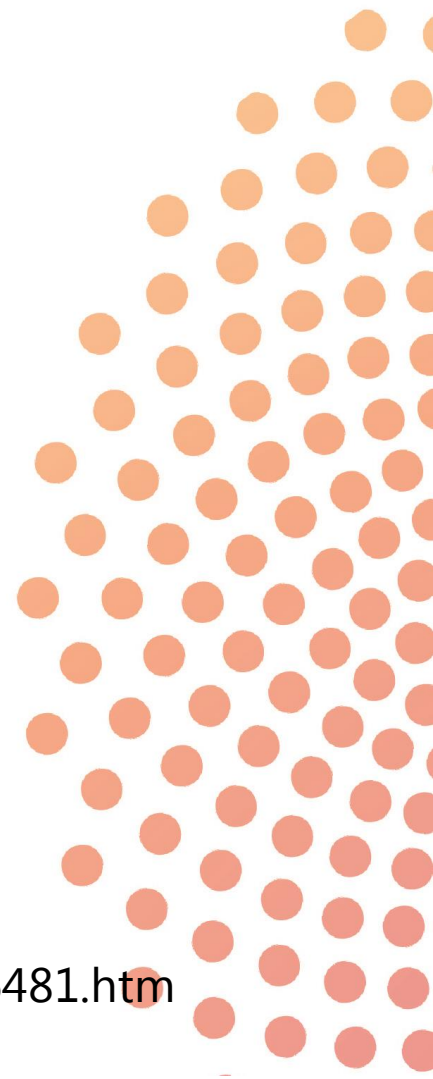
NEEDS ACTION... NOT WORDS...

"We have needed to take action against the development of antimicrobial resistance for more than 20 years.

Despite repeated warnings, the international response has been feeble, the World Health Organization has missed opportunities to provide leadership, and very little progress has been made.

Dr Jeremy Farrar, Director of the Wellcome Trust

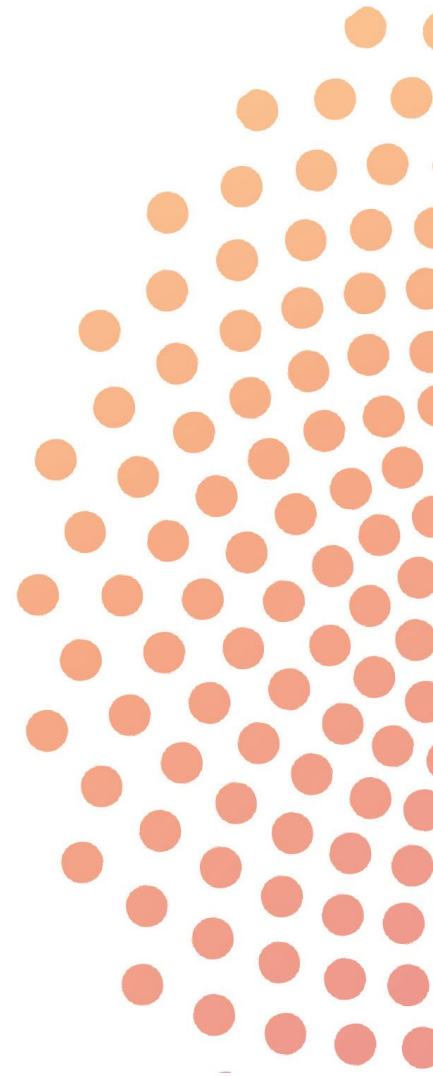
<http://www.wellcome.ac.uk/News/Media-office/Press-releases/2014/WTP056481.htm>



GLOBAL LEADERSHIP FAILURE

“International and national actions to address AMR have shown what can be done, often with good results, but these efforts have usually been limited in scope and lacking real coordination”.

The evolving threat of antimicrobial resistance
- Options for action. WHO 2012



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NON-GOVERNMENTAL NON-PROFIT ORGANISATIONS



Chennai Declaration

...a solution to the antibiotic resistance in developing countries.



Chennai Declaration

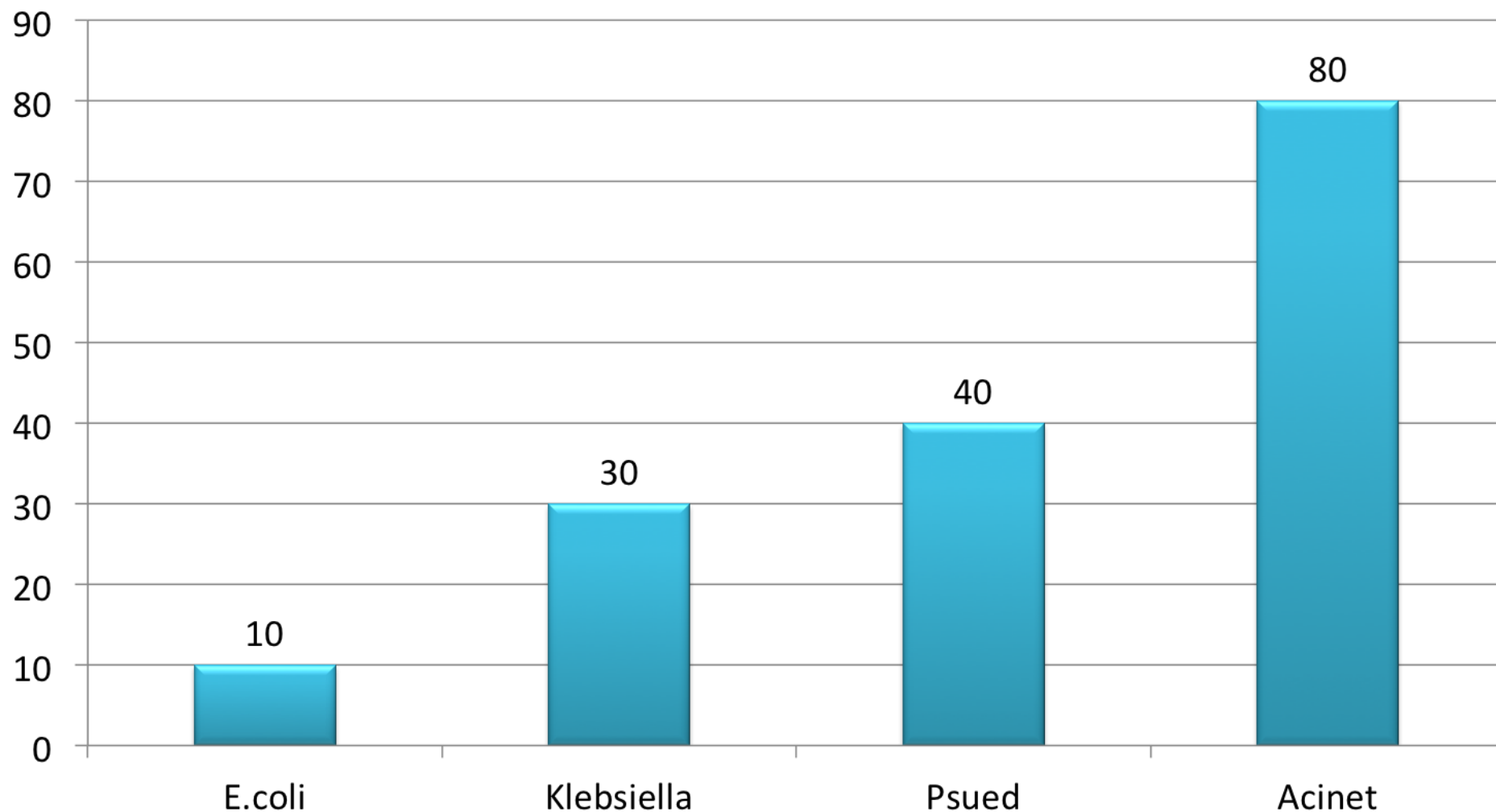
...a solution to the antibiotic resistance in developing countries.

"Chennai Declaration"



IJC, Dec 2013

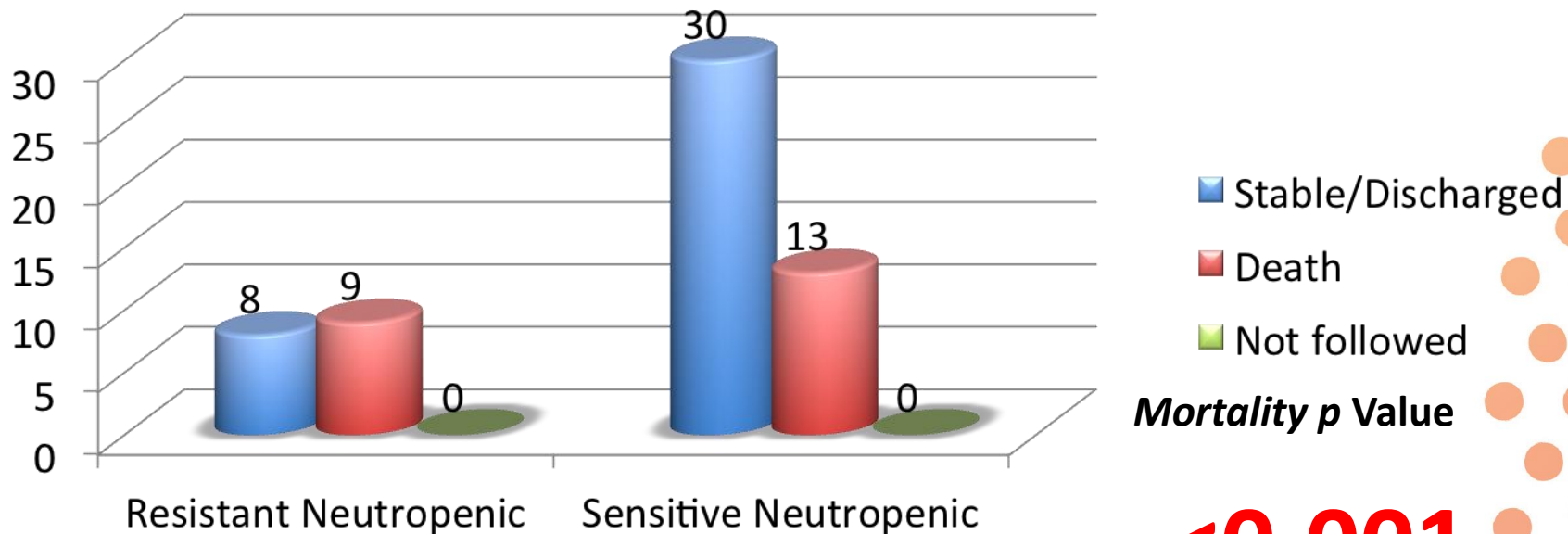
CARBAPENEM RESISTANCE CHENNAI DATA



Vidya PR,A Ghafur et al.CIDSCON 2012

CLINICAL STUDY ON CARBAPENEM SENSITIVE & CARBAPENEM RESISTANT BACTEREMIA IN NEUTROPENIC & NON-NEUTROPENIC PATIENTS- THE FIRST SERIES FROM INDIA.

Clinical outcome among Neutropenic group



Mortality p Value

-<0.001

30 day mortality

Resistant neutropenic	(52.94%)
Sensitive neutropenics	(30.23%)

Abdul Ghafur et al.
ECCMID Poster No
P1368, Berlin 2013

PAN DRUG RESISTANCE

amikacin	R
cefepime	R
imipenem	R
ceftazidime	R
Pip-taz	R
cipro	R
meropenem	R
gentamicin	R
colistin	R

Klebsiella



Pan Drug Resistance among bacteremic isolates

Patient	Diagno.	Prior +cultures .CarR	Prior col/ carb expos.	CCU stay prior to resistance	Organism	Source	Treatment (days)	Col .MIC	Micro clearance	Outcome
1	Trauma	+	Colistin	45	K.pneumoniae	Lung	Colistin(12)meropenem(9) tigecycline(12)	>4	Cleared	Expired
2	Hematological malignancy	+	Colistin & carbapenem	0	K.pneumoniae	Gut translocation	Colistin(5) meropenem (5) tigecycline (5) Teicoplanin (5)	32	Cleared	Expired
3	Meningioma	+	Colistin & carbapenem	56	A.baumannii	Unclear	Colistin (7), tigecycline (5)	8	Not repeated	Expired
4	Carcinoma larynx	+	carbapenem	2	K.pneumoniae	Unclear	Not treated	16	Not repeated	Discharged AMA

A.Ghafur.Unpublished data from Apollo Speciality Hospital.Chennai

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MORE THAN A BILLION!



ATTITUDE!



"Attitude is a little thing that makes a big difference" Winston Churchill

“The Chennai Declaration” Recommendations of “A roadmap- to tackle the challenge of antimicrobial resistance” - A joint meeting of medical societies of India

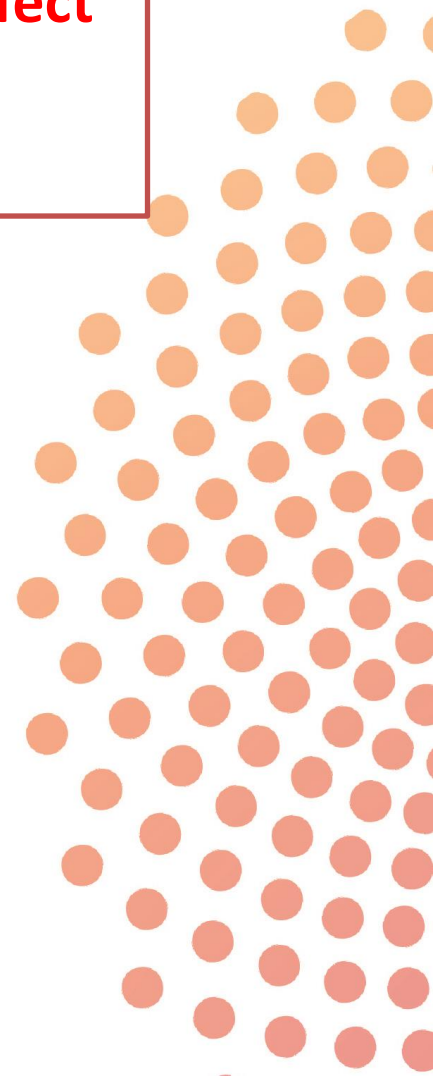
**Ghafur A, Mathai D¹, Muruganathan A², Jayalal JA³, Kant R⁴, Chaudhary D⁵,
Prabhash K⁶, Abraham OC⁷, Gopalakrishnan R⁸, Ramasubramanian V⁹, Shah SN¹⁰,
Pardeshi R¹¹, Huilgol A¹², Kapil A¹³, Gill JPS¹⁴, Singh S¹⁵, Rissam HS¹⁶, Todi S¹⁷,
Hegde BM¹⁸, Parikh P¹⁹**

Coordinator, Road map meeting and Antibiotic Stewardship Committee Chairperson, Clinical infectious Diseases Society, ¹President CIDS, ²President Elect API, ³Indian Medical Association, ⁴President, Association of Surgeons of India, ⁵Indian Society of Critical Care Medicine, ⁶DM Indian Society of Medical and Paediatric Oncology, ⁷Secretary CIDS, ⁸Organising Secretary CIDSCON, ⁹Organising Chairman, CIDSCON, ¹⁰Editor, JAC, ¹¹Federation of Obstetric and Gynaecological Societies of India, ¹²President, Indian Society of Organ Transplantation, ¹³Indian Association of Medical Microbiologists, ¹⁴Director, School of Public Health and Zoonoses, GADVASU, ¹⁵Chairman, Research Committee, NABH, ¹⁶Member, Board of Governors, Medical Council of India, ¹⁷Panel member of Ministry of Health expert committee STG on Critical Care, ¹⁸Former Vice Chancellor, Manipal Academy of Higher Education, ¹⁹Convenor, Indian Cooperative Oncology Network

Chennai declaration strategy

India needs **“An implementable strategy”** and **NOT “A perfect strategy”**

- Asking for a complete and strict antibiotic policy in developing countries may not be an intelligent or immediately viable option.
- In developing countries, rules on antibiotics usage should be liberal at first and then made stricter stepwise..



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INTERNATIONAL JOURNALS

BMJ

JAMA

Clinical Infectious Diseases

THE LANCET Infectious Diseases

MJ  7

Journal of
Antimicrobial Chemotherapy



**ANTIMICROBIAL RESISTANCE &
INFECTION CONTROL**

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INTERNATIONAL POLICY MEETINGS

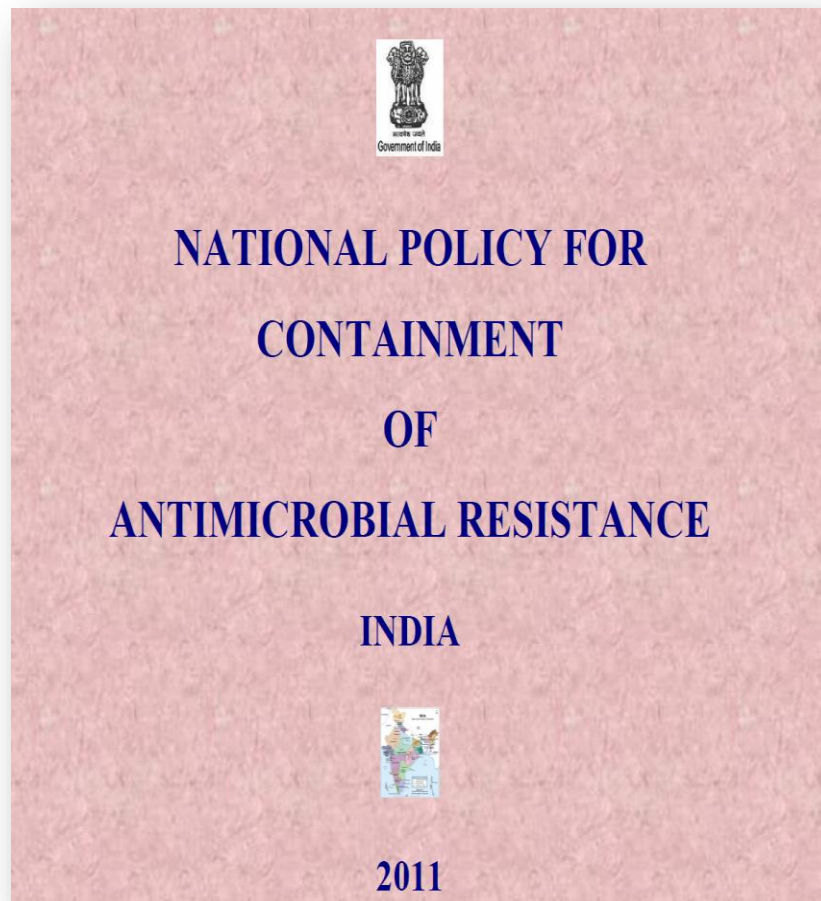
THE
GRADUATE
INSTITUTE
GENEVA

GLOBAL
HEALTH
PROGRAMME

**CHATHAM
HOUSE**
The Royal Institute of
International Affairs



MINISTRY MEETING TO DISCUSS CHENNAI DECLARATION AND IMPLEMENTATION OF NATIONAL ANTIBIOTIC POLICY – SEPT 2013



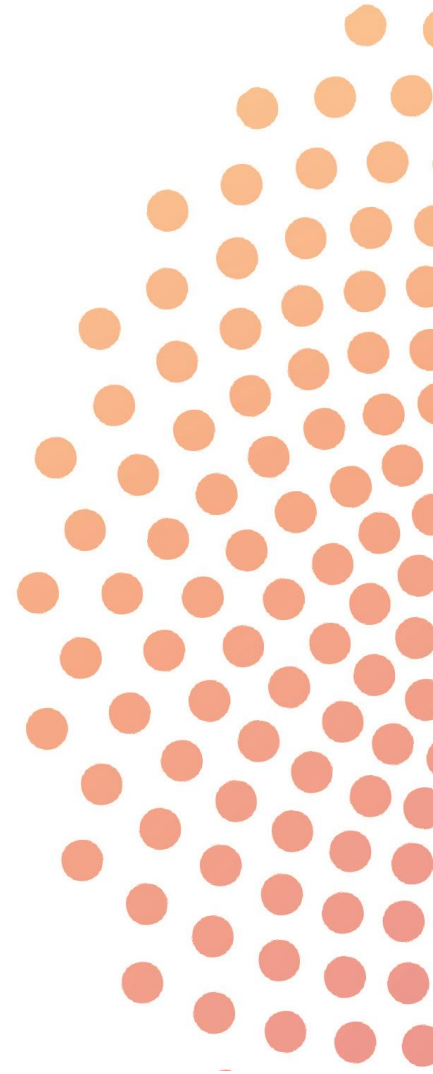
“The Chennai Declaration”

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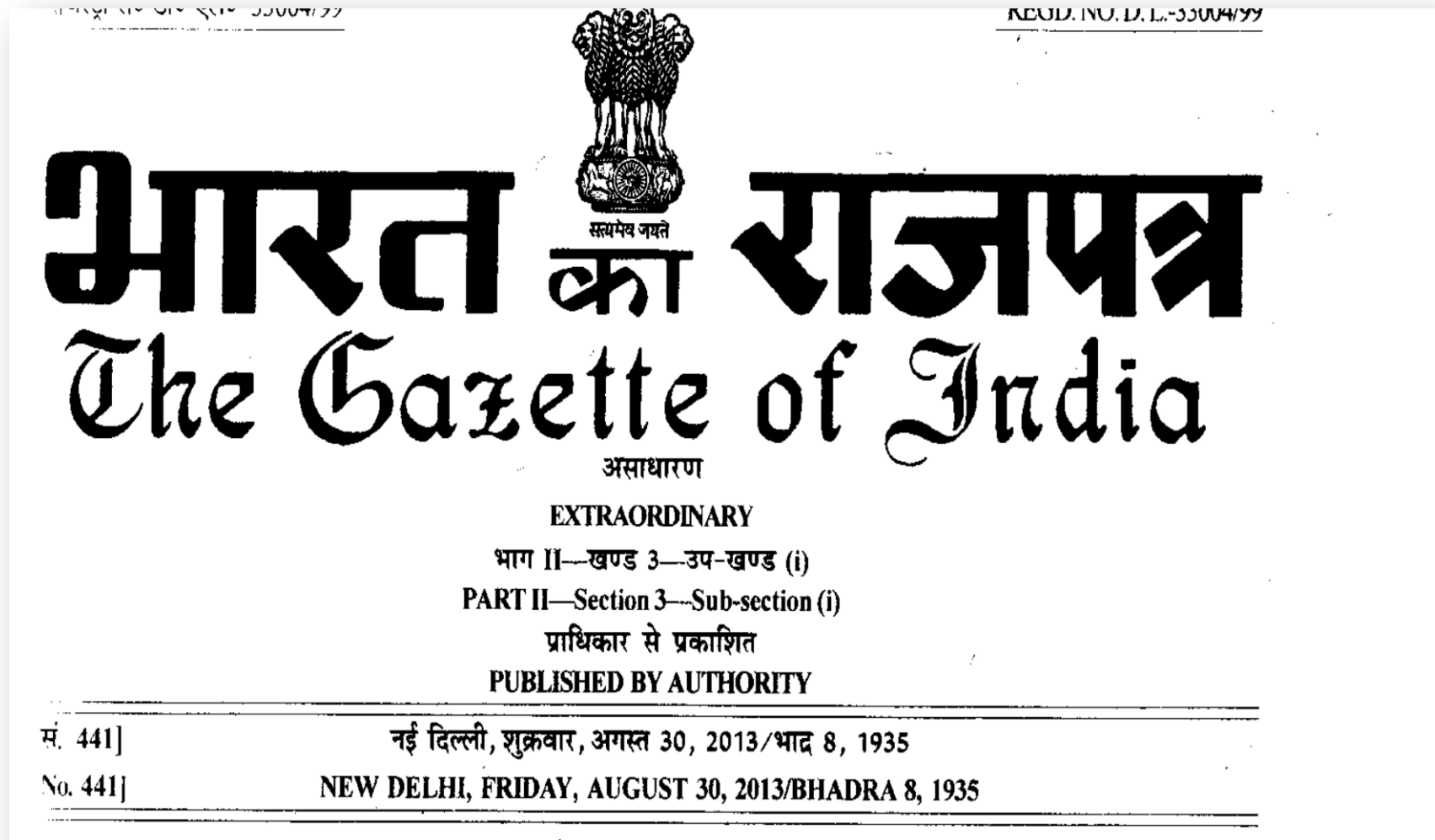
Ghafur A, Mathai D¹, Muruganathan A², Jayalal JA³, Kant R⁴, Chaudhary D⁵, Prabhaskar K⁶, Abraham OC⁷, Gopalakrishnan R⁸, Ramasubramanian V⁹, Shah SN¹⁰, Pardeshi R¹¹, Huilgol A¹², Kapil A¹³, Gill JPS¹⁴, Singh S¹⁵, Rissam HS¹⁶, Todi S¹⁷, Hegde BM¹⁸, Parikh P¹⁹

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GOVERNMENT RESPONSE



NEW INDIAN RULE ON OTC



NATIONAL ANTIBIOTICS GUIDELINES



सत्यमेव जयते
भारत सरकार

राष्ट्रीय रोग नियंत्रण केन्द्र

(स्वास्थ्य सेवा महानिदेशालय)

22-शाम नाथ मार्ग, दिल्ली 110054

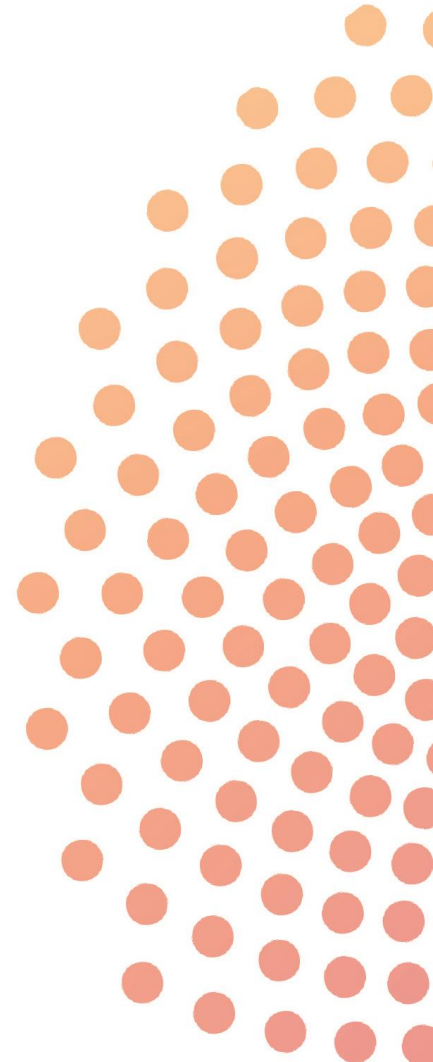
Government of India

NATIONAL CENTRE FOR DISEASE CONTROL (NCDC)

[Formerly known as National Institute of Communicable Diseases (NICD)]

(Directorate General of Health Services, Ministry of Health & Family Welfare)

22 Sham Nath Marg, Delhi - 110 054



CHENNAI DECLARATION: FIVE YEAR PLAN

Chennai Declaration Implementation-Five Year Plan

The “Chennai declaration-five year plan” is designed as a companion document to the original “Chennai declaration”.¹Details on various components of the five-year plan are already elucidated in the declaration document. The proposal provides a time bound action plan to various recommendations of the declaration. Readers are encouraged to refer to “The Chennai declaration” document for details.

STRATEGY	ONE YEAR	TWO YEAR	FIVE YEAR
OVER THE COUNTER SALE OF ANTIBIOTICS (SCHEDULEH1) ¹³ Coordinator: DCGI/State Drug	24 antibiotics included in the Restricted list (as per the modified	60% of all antibiotics to be included in the restricted list	90% of all to be included antibiotics in the restricted list

Ebola and compliance with infection prevention measures in Nigeria

Lancet Infect Dis 2014

Published Online
October 2, 2014

We have noted improvements in actions by all the stakeholders in Nigeria listed in a call to action for adoption of the **Chennai declaration** in combating spread of hospital-acquired infections³ and in strict adherence to the NICE quality standards of infection prevention and control⁴ and to WHO guidelines.²

**Ibrahim Yusuf, Rabi'atu Umar Adam,
Siti A Ahmad, Phang L Yee*

Journal of Antimicrobial Chemotherapy

Conclusions

The Annual Report of the Chief Medical Officer,³³ the UK Five-Year Antimicrobial Resistance Strategy,³⁴ the Chennai Declaration³⁵ and the G8 Science Ministers Statement³⁶ all highlight surveillance as key to addressing antimicrobial resistance. Aggregated regional

Luke S. P. Moore

J Antimicrob Chemother
doi:10.1093/jac/dku307

BRITISH PARLIAMENTARY DISCUSSION ON ANTIBIOTIC RESISTANCE

The international nature of the problem was highlighted by many Members. India was mentioned by my hon. Friend the Member for York Outer and other Members, and I confirm that the recently produced **Chennai declaration** has begun to tighten up on over-the-counter use, so we are beginning to see significant action. India also supported a World Health Assembly resolution on this matter. However, sitting the table and hearing the different

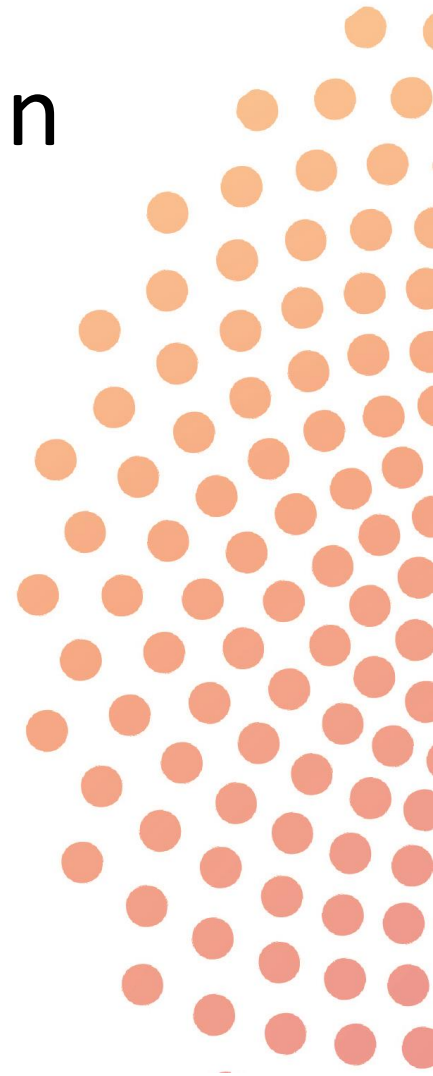


Parliamentary undersecretary for health

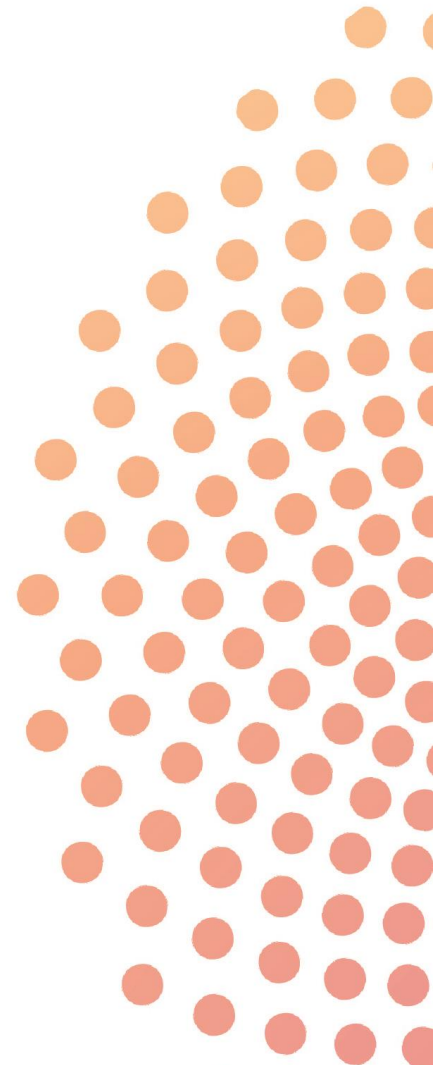
Jane Ellison

CHANGE!

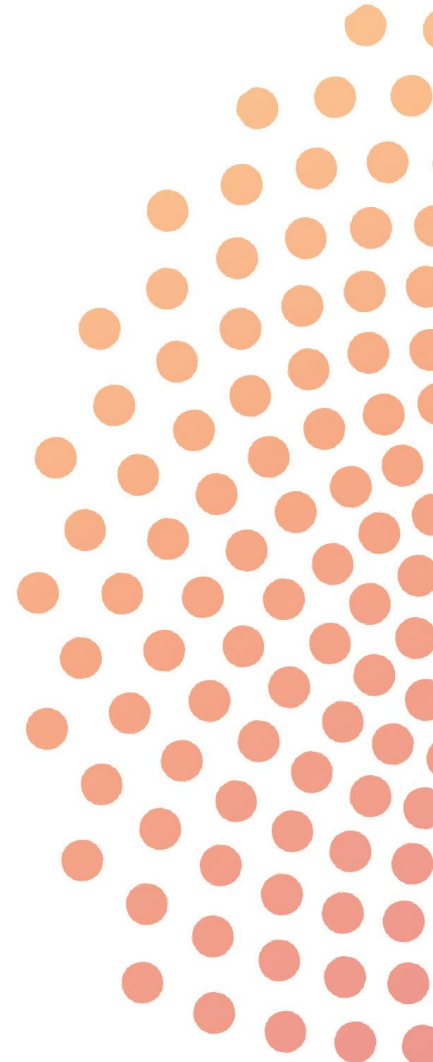
“Be the change that you wish to see in the world.” Mahatma Gandhi



GLOBAL LEADERSHIP & COLLABORATION



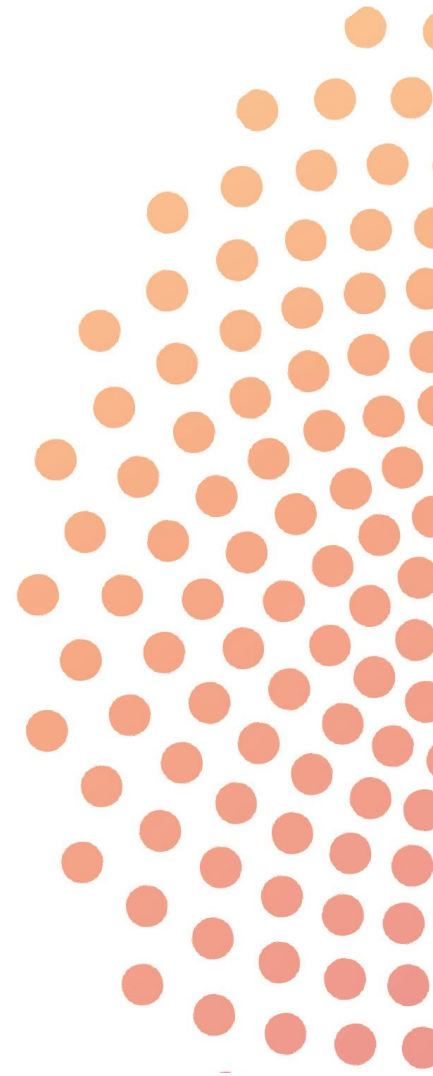
ANTIBIOTICS FREE PERIOD



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TOGETHER, WE CAN WIN THE WAR!

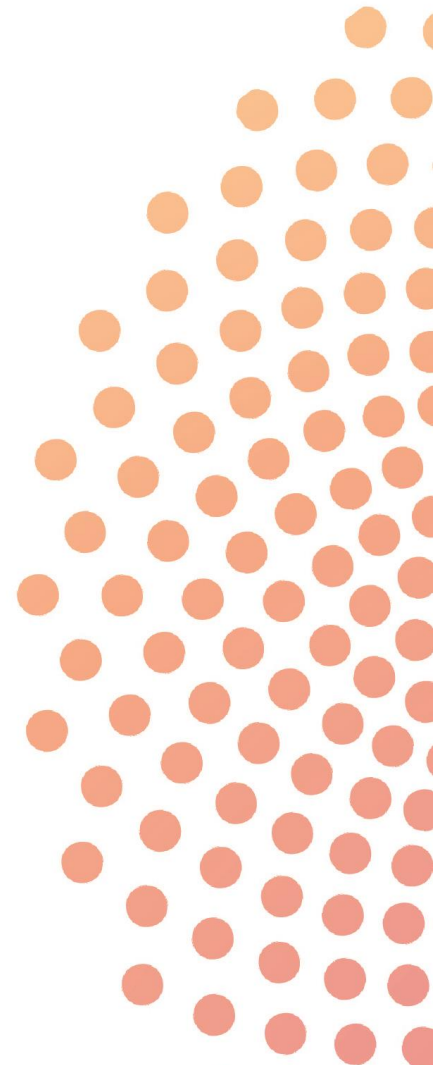


GOOD NEWS...

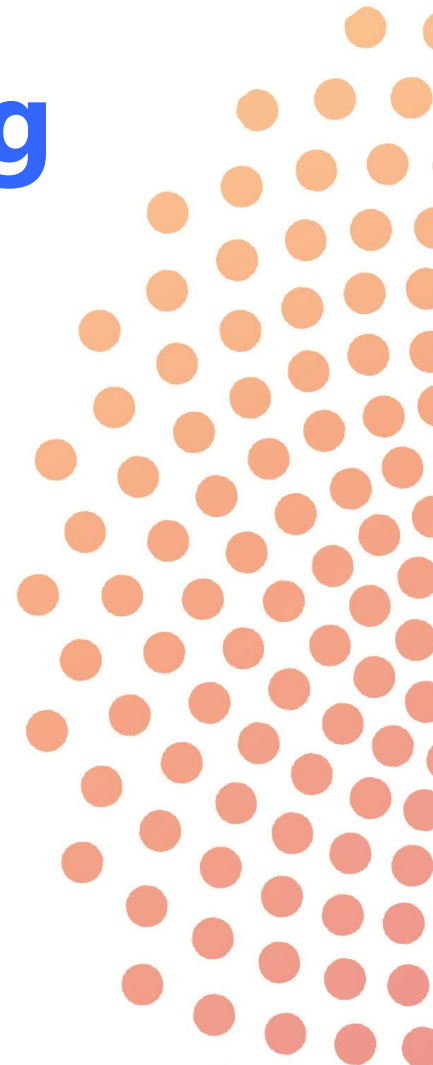
The logo for the Longitude Prize 2014, featuring the words "LONGITUDE PRIZE 2014" in a bold, sans-serif font. The text has a horizontal gradient from yellow to blue and is set against a dark blue rectangular background.

LONGITUDE
PRIZE 2014

10 million



www.chennaideclaration.org





The Royal College of Pathologists
Pathology: the science behind the cure

PATHOLOGY IS GLOBAL

Wednesday 5th November 2014
The Royal College of Pathologists

