ANTIBIOTIC RESISTANCE: THE GLOBAL THREAT

Severe antibiotic resistance – when bacteria change and cause antibiotics to fail – is happening RIGHT NOW, *across the world*

The full impact is unknown. There is no system in place to track antibiotic resistance globally

Without urgent action, modern medicine will be obsolete and minor injuries will once again be deadly

SUPER RESISTANT BACTERIA: PROBLEM TODAY, CRISIS TOMORROW

In **INDIA,** over **58,000** babies **died in one year as a result of infection with super-resistant bacteria** usually passed on from their mothers[1]

In the **EUROPEAN UNION,** antibiotic resistance causes **25,000** deaths **per year** and 2.5m extra hospital days[2]

IN THAILAND, antibiotic resistance causes **38,000+** **deaths per year** and 3.2m hospital days[2]

In the **UNITED STATES,** antibiotic resistance causes **23,000+** **deaths per year** and >2.0m illnesses[2]

GLOBAL ACTION

1. **Improve Laboratory Capacity:** Countries need medical labs to identify bacteria and choose the right drugs to treat them. When people get antibiotics without this testing, they:
   - Often get treatment that doesn't help
   - Develop and spread resistant bacteria
   - Increase their risk for future resistant infections
2. **Develop National Tracking Programs:** Countries need the infrastructure to collect resistance data and report results globally. This information is necessary to:
   - Target and measure prevention efforts
   - Drive policies that help stop spread
3. **Implement Antibiotic Stewardship Programs:** To ensure antibiotics are here when we need them, they must be prescribed and taken correctly now.
4. **Expand Infection Control Programs:** Improving infection control practices in healthcare settings is critical to prevent spread of antibiotic resistant germs.

[1]http://www.thelancet.com/journals/laninf/article/PIIS1473-3099(13)70318-9/fulltext
[2]Anticrobial Resistance Global Report on Surveillance, 2014. WHO Report. http://www.who.int/drugresistance/documents/AMR_report_Web_slide_set.pdf?ua=1

CDC ACTION

CDC's proposed Antibiotic Resistance Solutions Initiative will:

1. **Allow standardized tracking** of antibiotic resistance internationally
2. **Prevent antibiotic resistance**
3. **Improve antibiotic prescribing and use**
4. **Boost communication** of antibiotic resistance threats

Centers for Disease Control and Prevention
National Center for Emerging and Zoonotic Infectious Diseases

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