



Antibiotic Use Through A Health Equity Lens

**Jeffrey E. Hall Ph.D., M.A., M.S.P.H. Centers
for Disease Control and Prevention
Office of Minority Health and Health Equity**

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Examples of Organizing Questions

- **Do any elements of antibiotic use differ by characteristics or combinations of characteristics linked to social, economic, or environmental disadvantage?**
- **Characteristics such as:**
 - Race/ethnicity;
 - Religion;
 - Socioeconomic status;
 - Gender;
 - Mental health status;
 - Cognitive, sensory, or physical ability;
 - Sexual orientation or gender identity;
 - Geographic location / place?
- **Antibiotic prescription patterns?**
 - Antibiotic prescription/receipt?
 - Prescription of unnecessary prescriptions?
 - Correct dose and duration?
- **Antibiotic Guideline adherence?**
 - Prescription of the recommended first-line antibiotic based on the indicated condition
- **Patient adherence to antibiotic therapy?**
- **Outcomes of care where antibiotics were prescribed?**
 - Morbidity
 - Mortality
- **Do any of the above vary by setting?**

Examples of Organizing Questions

- **Are observed disparities linked to differences in**
 - Environmental risk factors?
 - Hazard exposures?
 - Stressors or Constraints?
 - Material
 - Psychosocial
 - Behavioral
- **Organization specific characteristics**
 - Antibiotic use policies?
 - Administrative strategies on antibiotic use?
- **Community characteristics**
 - Norms on medication and antibiotics use?
 - Work conditions?
 - Neighborhood conditions?

Examples of Organizing Questions

Are observed differences linked to

- Variable access to vital conditions for community health or services to address urgent needs?
- Variable ability to effectively use vital conditions for community health or services to address urgent needs?
- Differences in the prevalence or management of conditions “requiring” antibiotics?
- Well-paying jobs?
- Financial security?
- Retirement security?
- Affordable, easily accessed services?
- Health Insurance?
- Safe, stable, affordable housing?

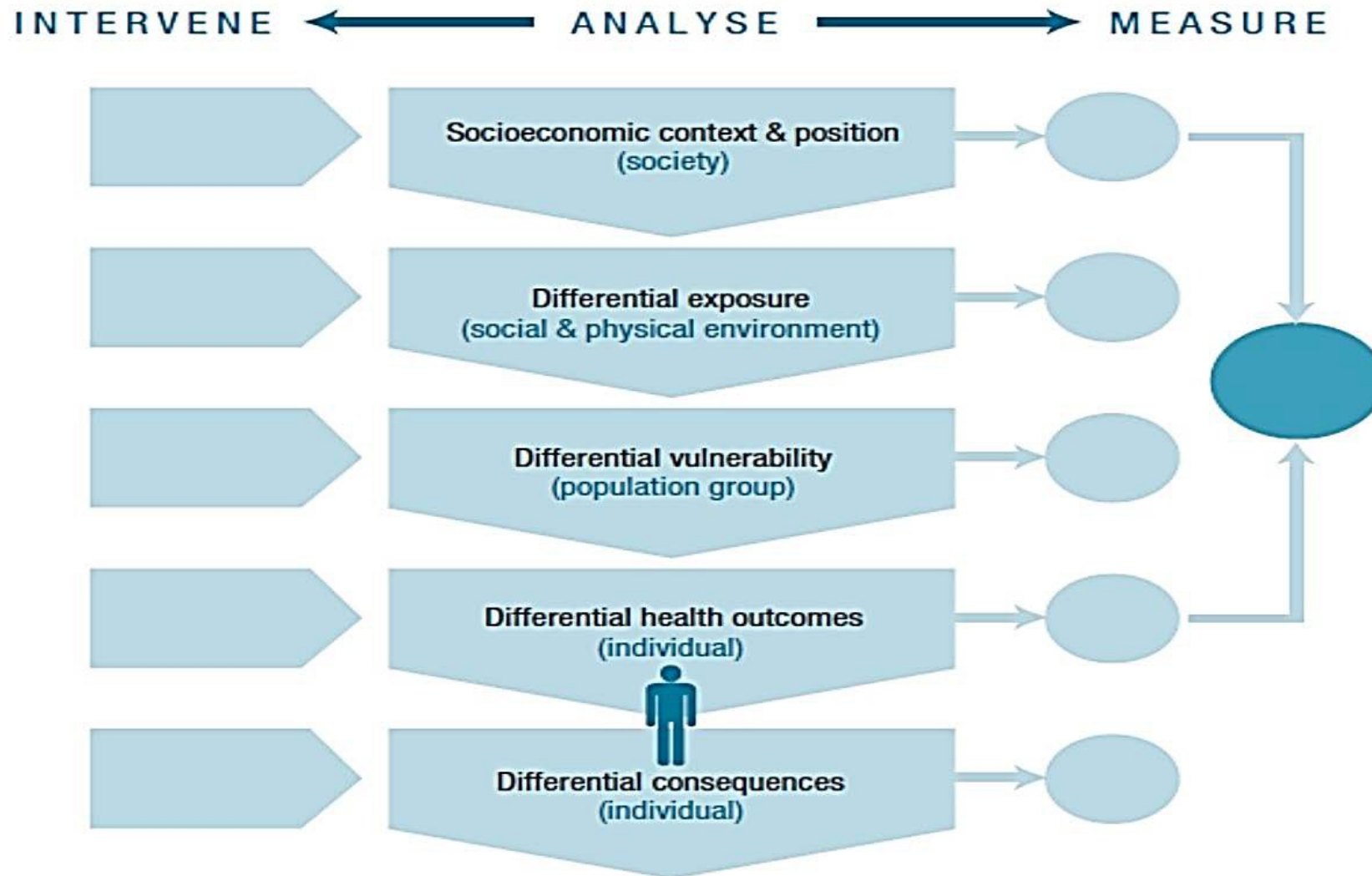
Examples of Organizing Questions

- **Are any identified differences in health care outcomes linked to variations in the following?**
 - quality of care
 - enjoyment of patient-centered care
 - barriers or enablers to patient/population-provider communication understanding or empathy
- **What factors influence adherence to directions for proper use? For diverse populations or groups?**
 - Obtaining/Picking up prescriptions
 - Completing the full treatment course
 - Dose skipping
 - Proper use of leftover medications
 - Use of antibiotics prescribed for another

Examples of Organizing Questions

- Are the social and economic consequences of poor health resulting from variations in appropriate use of antibiotics greater for some groups than others?
 - Lost earnings?
 - Inability to work?
 - Employment loss?
 - School attendance?
 - Care expenses / costs?
 - Consequences for family functioning?
 - Quality of life?

Priority Public Health Conditions Analytic Framework



For more information, contact CDC
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