



ARKANSAS DEPARTMENT OF HEALTH

Leadership and Responsibility for Antibiotic Stewardship

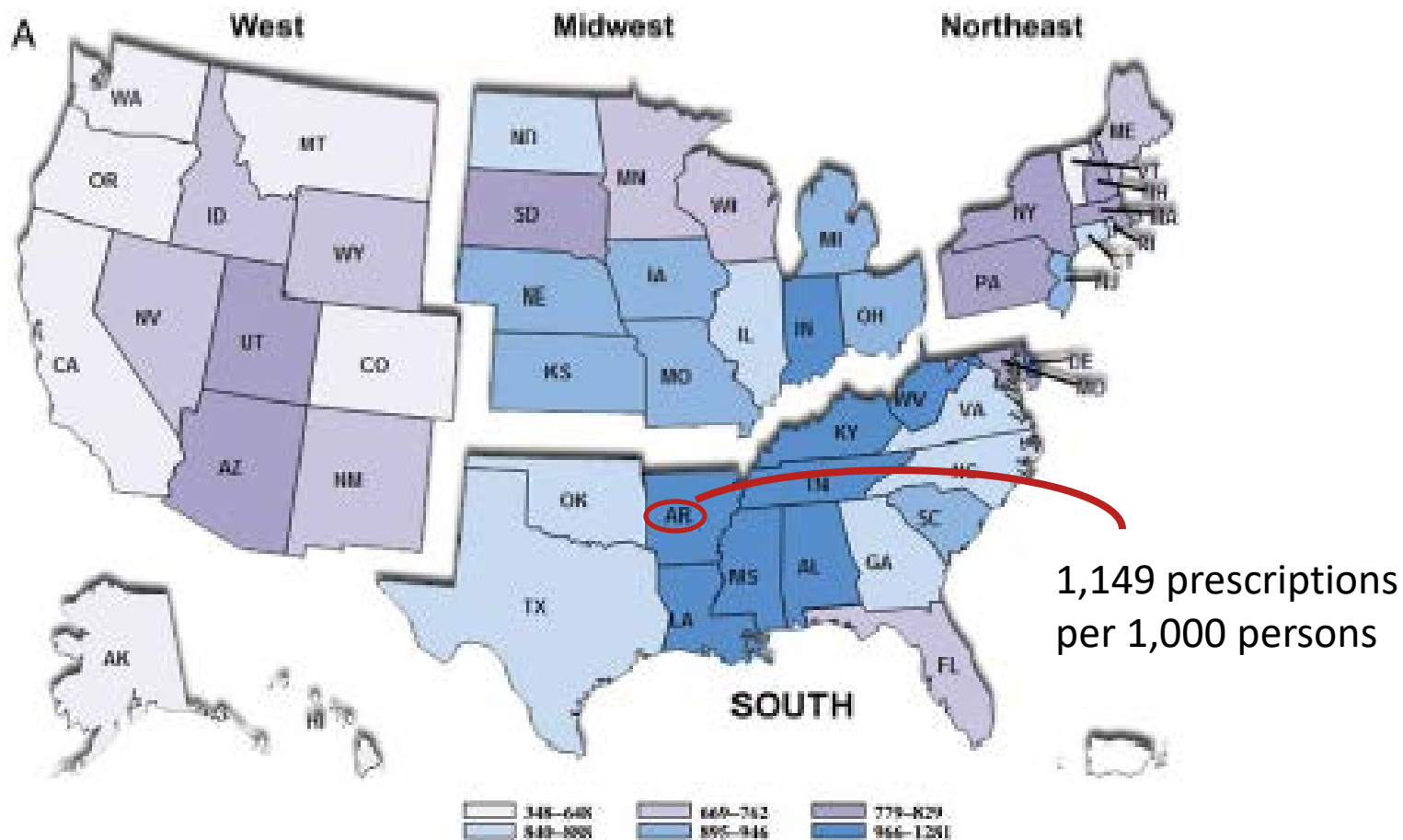
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Antibiotic Prescribing Fast Facts

- Healthcare providers prescribed 262.6 million courses of antibiotics in 2011
- Estimates show that 30- 50% of antibiotics prescribed in hospitals are unnecessary or inappropriate, over 50% in outpatient clinics are unnecessary
- Antibiotics cause 1 out of 5 emergency department visits for adverse drug events
- 10.7 billion dollars spent on antibiotics in the US in 2009; 6.5 billion outpatient and 3.5 billion inpatient

US Outpatient Antibiotic Prescribing by Geography and Patient Population, 2011

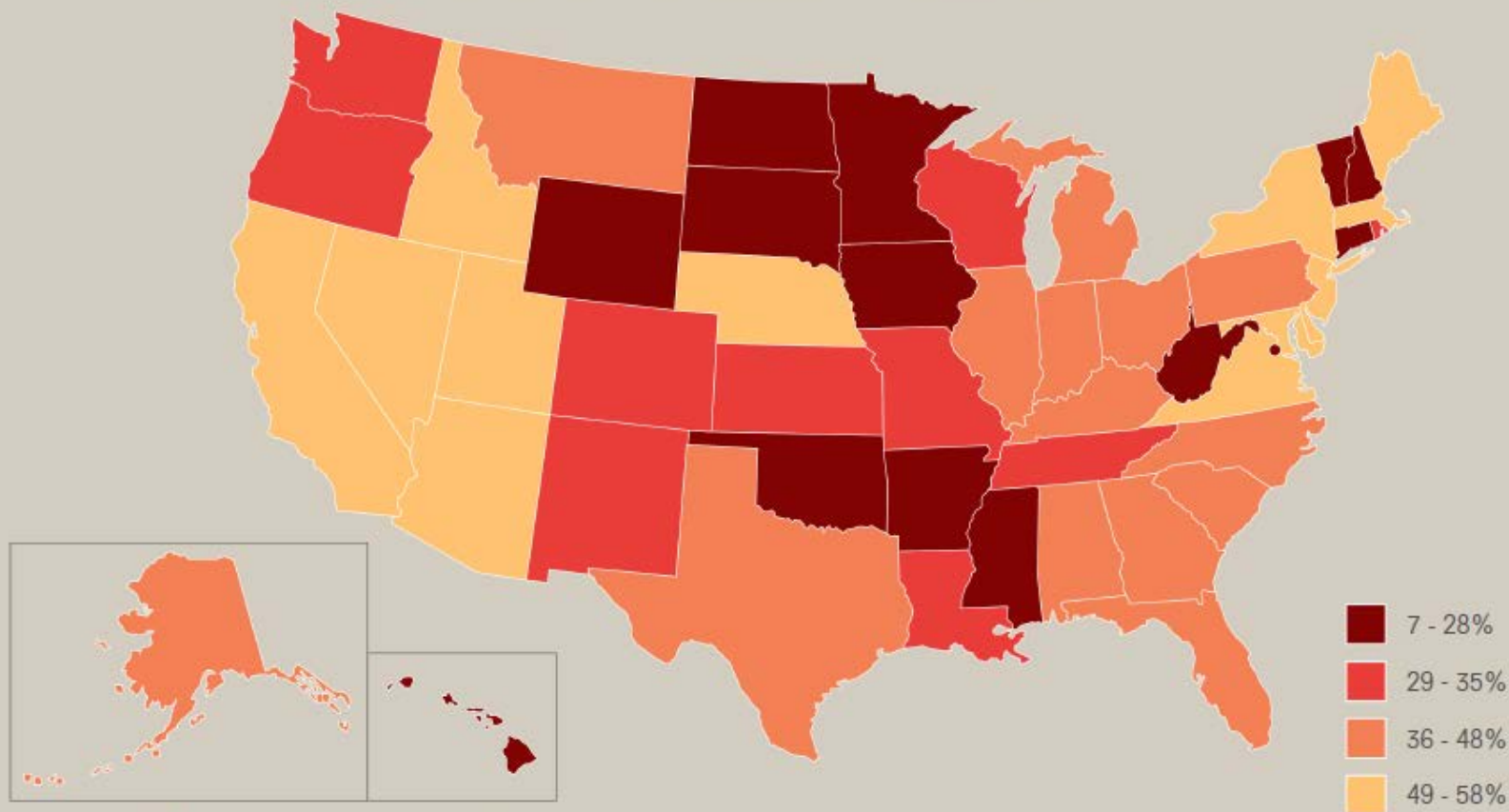


*Dark blue category represents 966-1281 prescriptions per 1000 persons

Antibiotic prescribing per 1000 persons by state in 2011 for all ages (A)

Percent of Hospitals with Antibiotic Stewardship Programs by State, 2014*

Antibiotic stewardship programs ensure patients get the right antibiotics at the right time for the right duration



*A hospital stewardship program is defined as a program following all 7 of CDC core elements of antibiotic stewardship programs.

AE, AP, AS, GU, VI data are not shown due to 7 or fewer hospital respondents but are included in the overall percentage.

Source: CDC's NHSN Survey



Nationally, 39.2% of all hospitals have stewardship programs (1642 of 4184); the national goal is 100% of hospitals by 2020.



Get Smart About Antibiotics

- CDC initiative that provides education and outreach regarding antibiotic prescribing in both inpatient and outpatient settings
- Numerous resources available on their website: www.cdc.gov/getsmart
 - PowerPoint presentations with scripts, infographics, posters, web tools, etc.
 - Material is targeted for various audiences including public
- ADH has been an official partner since 2013

Arkansas Antimicrobial Stewardship Priorities

- Preventing infections
- Data for action
- Engaging stakeholders across the continuum of healthcare
- Expanded promotion of Get Smart materials
- Continued partnerships established through previous/current activities
- One Health
- Developing an antimicrobial stewardship statewide plan