





















**2019 Presentation, Slide 58**

# Antimicrobial Resistant Phenotype Definitions

- <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/aur/ar-phenotype-definitions-508.pdf>

Antimicrobial Resistant Phenotype Definitions		
NHSN Analysis Reports for AR Option data		
Phenotype Name	Phenotype Code	Phenotype Definition
Methicillin-resistant <i>Staphylococcus aureus</i>	MRSA_AR	<i>Staphylococcus aureus</i> that has tested Resistant (R) to at least one of the following: oxacillin or ceftazidime
Carbapenem-resistant Enterobacteriaceae (expanded)	CREexpanded_AR	Any <i>Citrobacter amalonaticus</i> , <i>Citrobacter freundii</i> , <i>Citrobacter koseri</i> , <i>Enterobacter</i> spp., <i>E. coli</i> , <i>Klebsiella oxytoca</i> , <i>Klebsiella pneumoniae</i> , and <i>Serratia marcescens</i> that has tested Resistant (R) to at least one of the following: imipenem, meropenem, doripenem, or ertapenem  OR  Any <i>Proteus mirabilis</i> , <i>Proteus penneri</i> , <i>Proteus vulgaris</i> , and <i>Morganella morganii</i> that has tested Resistant (R) to at least one of the following: meropenem, doripenem, or ertapenem
Carbapenem-resistant Enterobacteriaceae ( <i>E. coli</i> , <i>Klebsiella</i> , or <i>Enterobacter</i> )	CREall_AR	Any <i>Escherichia coli</i> , <i>Klebsiella oxytoca</i> , <i>Klebsiella pneumoniae</i> , or <i>Enterobacter</i> spp. that has tested Resistant (R) to at least one of the following: imipenem, meropenem, doripenem, or ertapenem
Carbapenem-resistant <i>E.coli</i>	CREecoli_AR	Any <i>Escherichia coli</i> that has tested Resistant (R) to at least one of the following: imipenem, meropenem, doripenem, or ertapenem
Carbapenem-resistant <i>Enterobacter</i> spp.	CREenterobacter_AR	Any <i>Enterobacter</i> spp. that has tested Resistant (R) to at least one of the following: imipenem, meropenem, doripenem, or ertapenem

# 2020 Updates for Slide 58

# Antimicrobial Resistant Phenotype Definitions

- <https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/aur/ar-phenotype-definitions-508.pdf>

## Antimicrobial Resistant Phenotype Definitions

### NHSN Analysis Reports for AR Option data

Phenotype Name	Phenotype Code	Phenotype Definition
Methicillin-resistant <i>Staphylococcus aureus</i>	MRSA_AR	<i>Staphylococcus aureus</i> that has tested Resistant (R) to at least one of the following: oxacillin or ceftiofuran
Carbapenem-resistant Enterobacteriaceae (expanded)	CREexpanded_AR	Any <i>Citrobacter amalonaticus</i> , <i>Citrobacter freundii</i> , <i>Citrobacter koseri</i> , <i>Enterobacter</i> spp., <i>E. coli</i> , <i>Klebsiella aerogenes</i> , <i>Klebsiella oxytoca</i> , <i>Klebsiella pneumoniae</i> , and <i>Serratia marcescens</i> that has tested Resistant (R) to at least one of the following: imipenem, meropenem, doripenem, or ertapenem  OR  Any <i>Proteus mirabilis</i> , <i>Proteus penneri</i> , <i>Proteus vulgaris</i> , and <i>Morganella morganii</i> that has tested Resistant (R) to at least one of the following: meropenem, doripenem, or ertapenem
Carbapenem-resistant Enterobacteriaceae ( <i>E. coli</i> , <i>Klebsiella</i> , or <i>Enterobacter</i> )	CREall_AR	Any <i>Escherichia coli</i> , <i>Klebsiella aerogenes</i> , <i>Klebsiella oxytoca</i> , <i>Klebsiella pneumoniae</i> , or <i>Enterobacter</i> spp. that has tested Resistant (R) to at least one of the following: imipenem, meropenem, doripenem, or ertapenem
Carbapenem-resistant <i>E.coli</i>	CREecoli_AR	Any <i>Escherichia coli</i> that has tested Resistant (R) to at least one of the following: imipenem, meropenem, doripenem, or ertapenem
Carbapenem-resistant <i>Enterobacter</i> spp. and <i>Klebsiella aerogenes</i>	CREenterobacter_AR	Any <i>Enterobacter</i> spp. or <i>Klebsiella aerogenes</i> that has tested Resistant (R) to at least one of the following: imipenem, meropenem, doripenem, or ertapenem
Carbapenem-resistant <i>Klebsiella pneumoniae/oxytoca</i>	CREklebsiella_AR	Any <i>Klebsiella oxytoca</i> or <i>Klebsiella pneumoniae</i> that has tested Resistant (R) to at least one of the following: imipenem, meropenem, doripenem, or ertapenem

- Update screenshot to include the updated phenotype names

**2019 Presentation, Slide 70**

# Reporting Metrics

- 502 facilities submitted at least one month of data
  - From 47 states
  - Bed size
    - Average = 214
    - Median = 175
    - Min/Max = 6, 1249
  - Teaching status
    - Teaching: 63%
      - (of all Teaching) Major teaching: 45%



# 2020 Updates for Slide 70

# Reporting Metrics

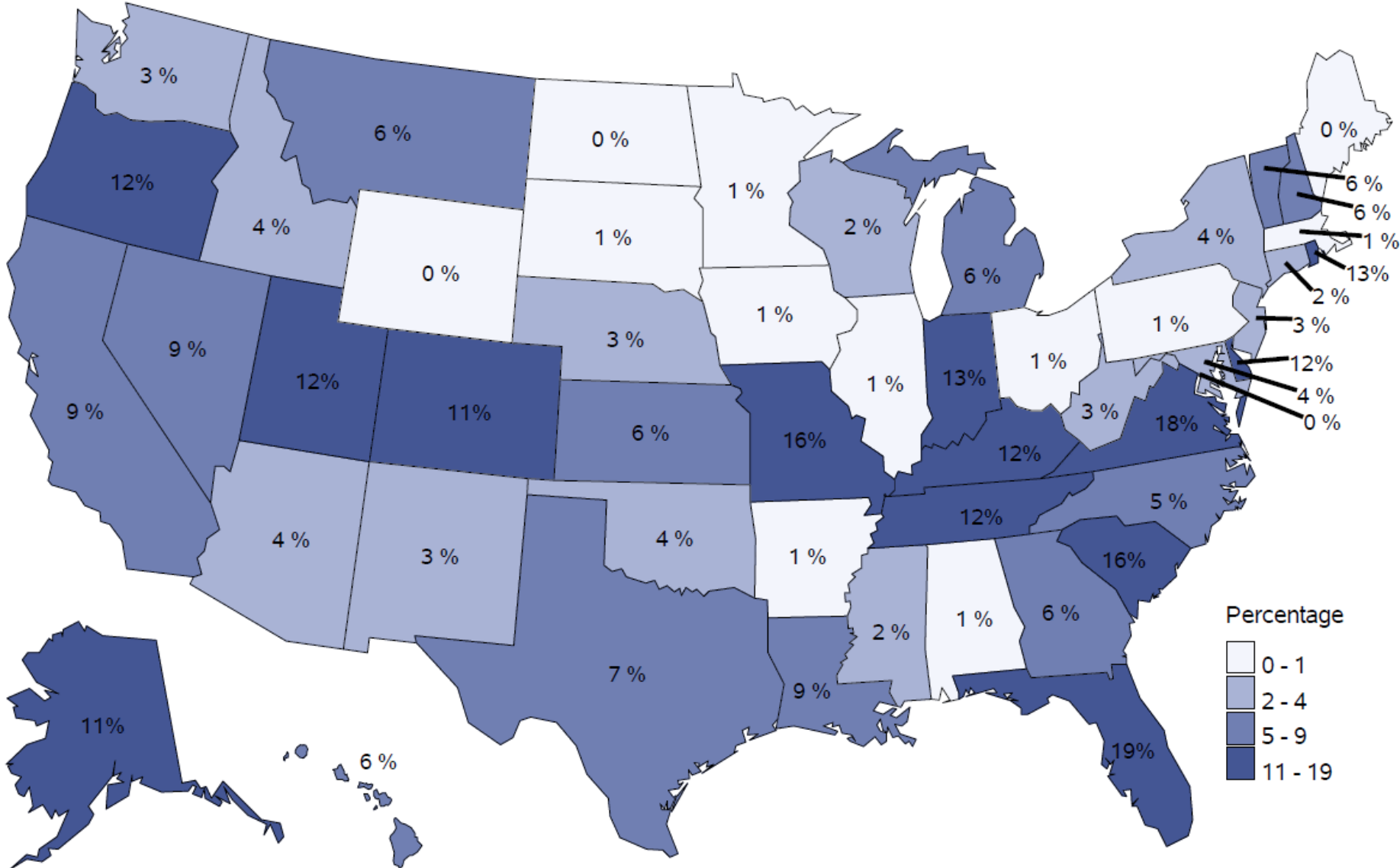
- 658 facilities submitted at least one month of data
  - From 48 states
  - Bed size
    - Average = 220
    - Median = 171
    - Min/Max = 6, 1266
  - Teaching status
    - Teaching: 450 (68%)
      - Major teaching makes up 50% of all teaching

- Update all metrics with January 1, 2020 numbers

**2019 Presentation, Slide 71**

# Hospital participation in AR Option

Percentage of facilities reporting at least one month of data to NHSN's AR Option

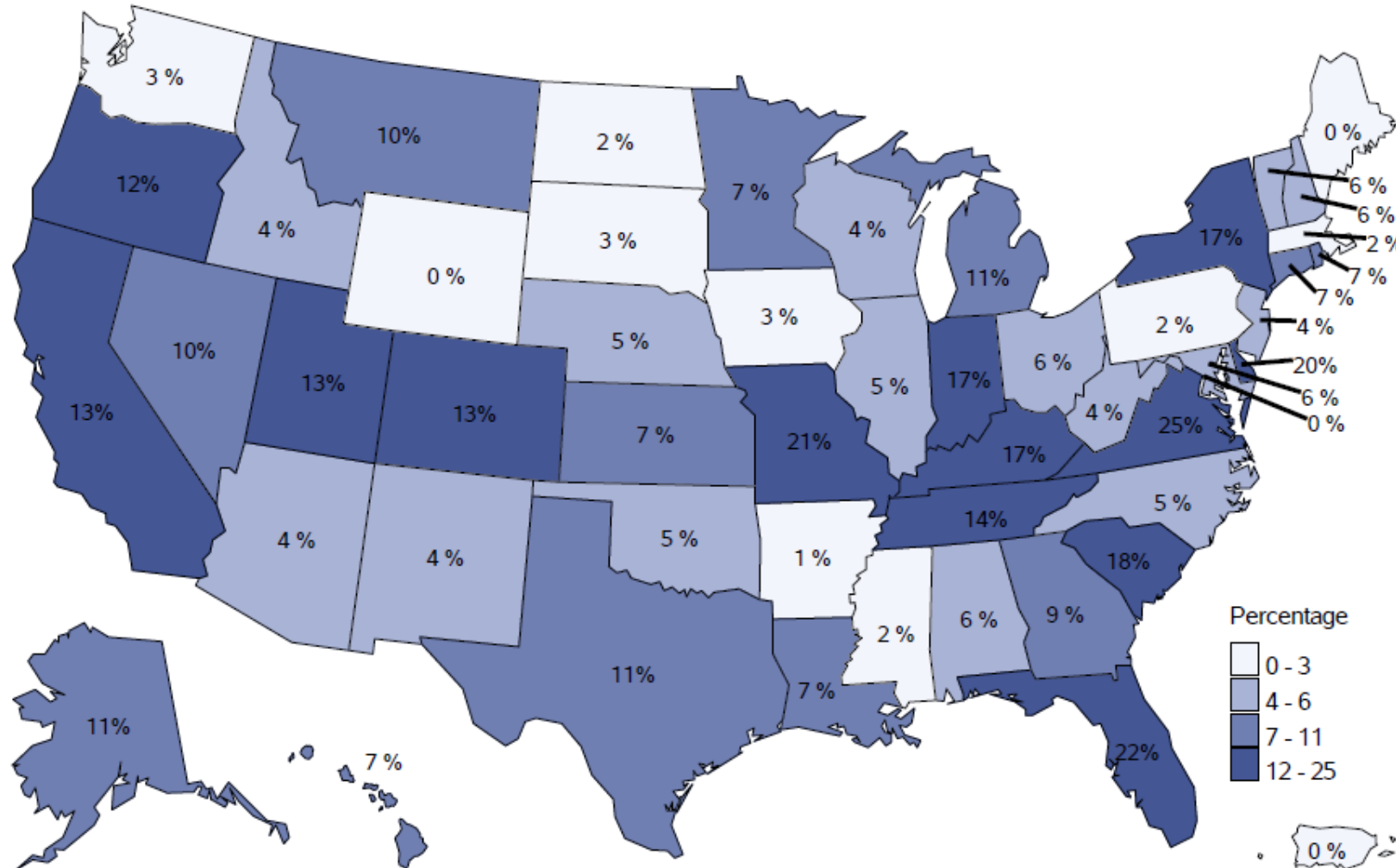


\*As of February 1, 2019 21

# 2020 Updates for Slide 71

# Hospital participation in AR Option

Percentage of facilities reporting at least one month of data to NHSN's AR Option



\*As of January 1, 2020 23

- Updated map with January 2020 data