



ARKANSAS DEPARTMENT OF HEALTH

Influenza Vaccination as a Tool to Reduce Absenteeism

Roundtable on Population Health Improvement
Workshop, Oakland , CA
June 14, 2018

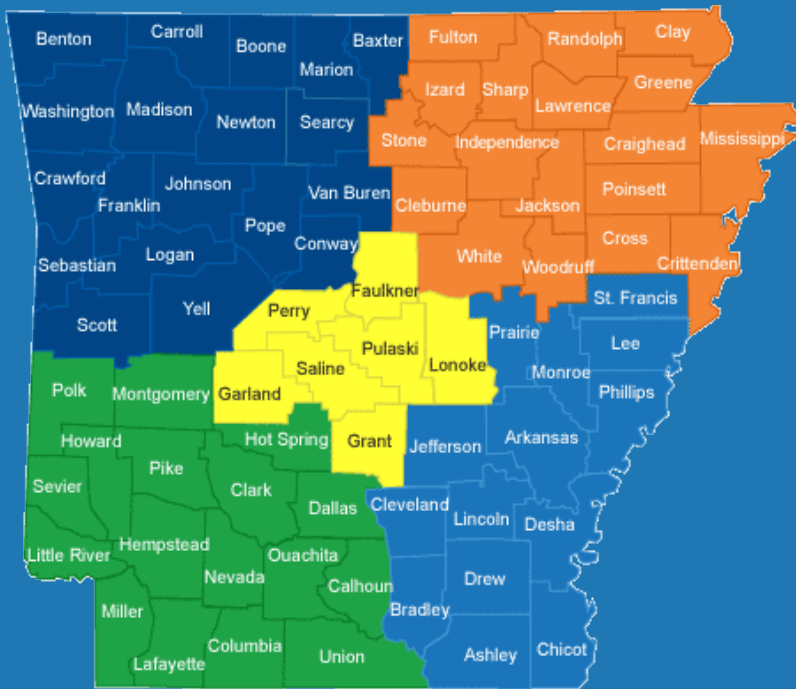
Jennifer Dillaha, MD
Medical Director, Immunizations
Medical Advisory, Health Literacy

Arkansas

- 3,000,000 people
- 15% of adults have less than a high school education
- 63% of students qualify for Free and Reduced Lunches
- 2017 America's Health Ranking: 48th out of 50 states

2016 American Community Survey
www.americashealthrankings.org

Arkansas Department of Health



- Unified health department
- 94 local health units in the state's 75 counties
- Main office in Little Rock

<https://www.healthy.arkansas.gov/>

Arkansas K-12 Profile, 2017-2018

- 480,000 students
- 1053 K-12 public schools
- 238 school districts
- 25 open enrollment charter schools
- 15 education service co-operatives

<https://adedatabeta.arkansas.gov/ARK12>

Fall 2017 Flu Vaccination Effort

- September 27 to November 30
- 120,000 influenza vaccinations given
- 953 public schools
- Total enrollment of 478,904
- Overall vaccination rate of 25%

Results

- For every 10 percentage point increase in flu vaccination rate, the mean absenteeism rate decreased by 0.23 percentage points.
- This relationship was statistically significant ($p < 0.0001$).

Results

- A 10 percentage point increase in the flu vaccination rate would reduce school absenteeism by 44,825 student days.

Contact Information

Jennifer Dillaha, M.D.
Arkansas Department of Health
4815 W. Markham Street, Slot 48
Little Rock, AR 72205

Office: 501-661-2864

Email: Jennifer.Dillaha@Arkansas.gov