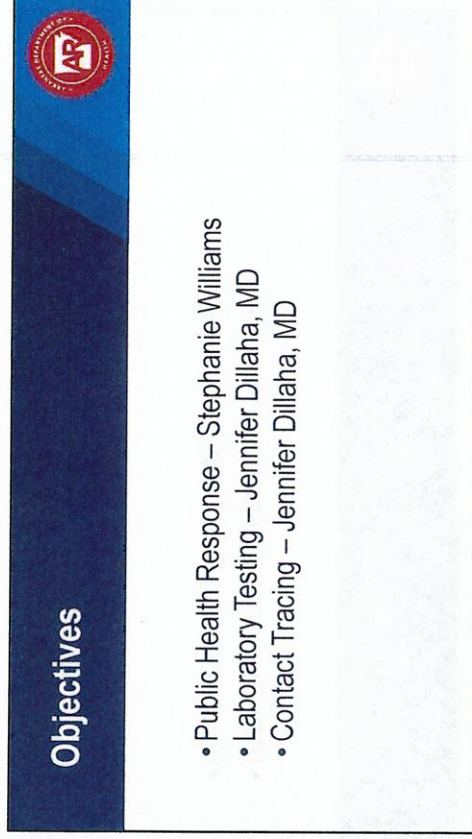




ADH COVID-19  
Overview




**Objectives**

- Public Health Response – Stephanie Williams
- Laboratory Testing – Jennifer Dillaha, MD
- Contact Tracing – Jennifer Dillaha, MD




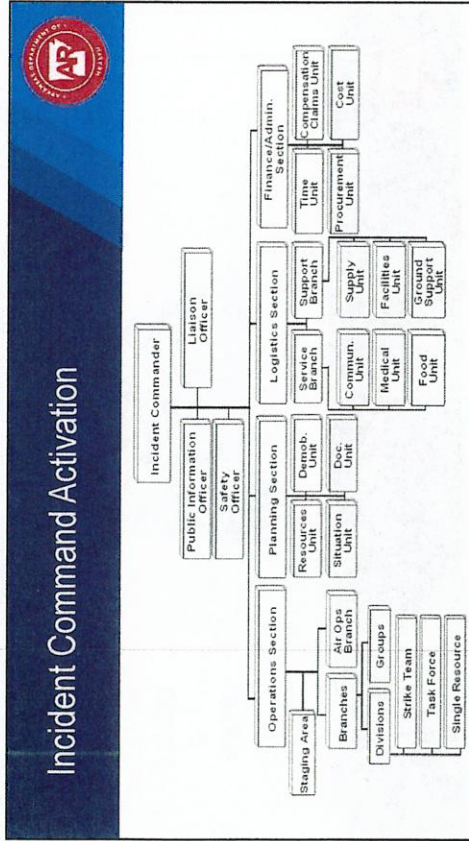
# Components of Response



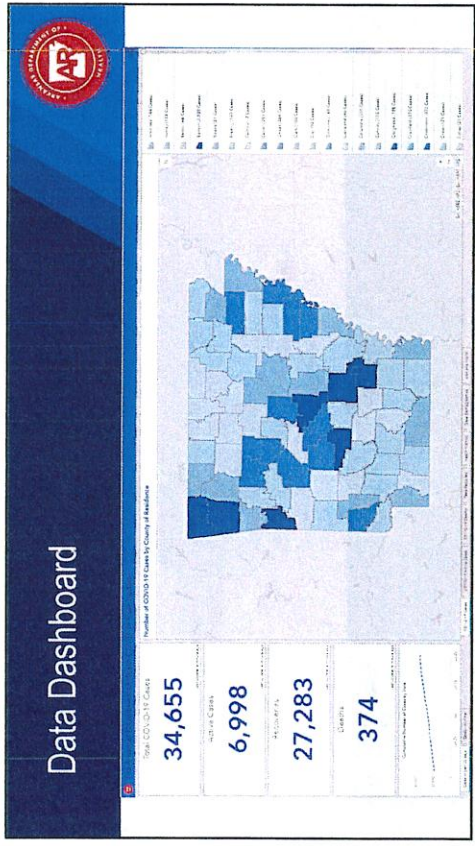
Pre-event

- State Emergency Response System ESF8
- Regional Health Care Coalitions






- ### Incident Command Activation
- Collecting and organizing real-time information on the status of the COVID-19 outbreak.
  - Maintaining situational awareness, at both the national/federal and local levels.
  - Command, control, and coordination of resources during the COVID-19 pandemic.
  - Maintaining an inventory of respirators and other PPE equipment.
  - Tracking the status of procuring essential supplies.
  - Supporting all stakeholders through the constant sharing of information to help protect the public.
  - Managing administrative and financial aspects of the response.




### PPE

- Early outbreak: we had limited supply and supply chain issues, specifically N95s.
- Prioritization of PPE disbursements.
- Increased stakeholder engagement.
- Current supply stock and weekly disbursements.
- Future purchases and supplies.



### Pandemic Physician Group

- Diverse group of physicians from across ADH, as well as other key leaders who meet 3 times weekly since the start of the pandemic to provide medical and health guidance related to the COVID-19 response.
- Various specialties represented: Infectious Disease, Pediatrics, Emergency Medicine, Family Medicine, OB/Gyn, Pulmonology, Surgery as well as PhDs in various public health disciplines.



### Call Lines

- **General COVID-19 Call Center Line:**
  - Staffed by ADH employees (formerly also staffed by National Guard and DHS employees)
  - 39,909 total calls received
  - 527 calls received 7/21/20
- **Physician/HCP Line:**
  - Staffed by Physicians/Physician Assistants
  - 4,192 total calls received
  - 41 calls received 7/21/20
- **K-12 Education/Childcare Facility Hotline**
  - Staffed with ADH, ADE and DHS employees
  - 349 calls in June
  - 550 calls as of July 22<sup>nd</sup>



## Quarantine Facility

- For those with no ability to quarantine /non-symptomatic
- DHS vacant residential facility made available to ADH
- Treatment is not provided, a quarantine facility only
- 28 beds
- Equipped/basic provisions & staffed 24/7 clinical
- Medical Director approves admittance of individual
- Transport provided if no personal transport
- Census varies



## Media & Messaging

**Phase 1**


- ADH (April – July 30\*):
  - Radio (including Marshall/Hispanic stations)
  - Newspaper (including Marshall/Hispanic publications)
  - Targeted digital/social (in both English/Spanish)

\*ADH contract begins on 7/28/20, but all started at the beginning of April

- Cranford Co. Contract (April 13 – May 24):
  - Broadcast/cable television
  - Arkansas Rural Radio Network
  - Newspaper
  - Targeted digital/social media (including minority targeting)
- Design Group Contract (June 15 – July 30):
  - Satellite/cable television (minority targeted networks)
  - Statewide minority radio
  - Targeted digital/social








## Guidance and Response


- Large Venue Plan Review (>100 participants)
  - 544 plans received
  - Types of plans
    - Weddings
    - Concerts
    - Rodeos (assistance from Department of Agriculture)
    - Graduation (assistance from Department of Education) over 200 reviews
- COVID Related Complaints
  - 762 investigations
- COVID Restaurant/Bar Directive Compliance Inspections
  - ADH/ABC Combined Efforts: 3371




## Media & Messaging

**Phase 2**

- Cranford Co. Contract (June 1 – August 31):
  - Hispanic broadcast television
  - Hispanic radio
  - Hispanic/Marshallese newspapers
  - Targeted digital/social (Tik Tok, Snapchat, Instagram)
  - Billboards
  - Metro radio
- Messaging/creative for all campaigns:
  - Worked with "influencers" identified across the state to record messages that would resonate with different populations (including African American, Hispanic and Marshallese communities)
  - Additional messages developed center on: handwashing, physical distancing, wearing a mask, and getting tested.





## Contact Tracing

- Dr. Jennifer Dillaha



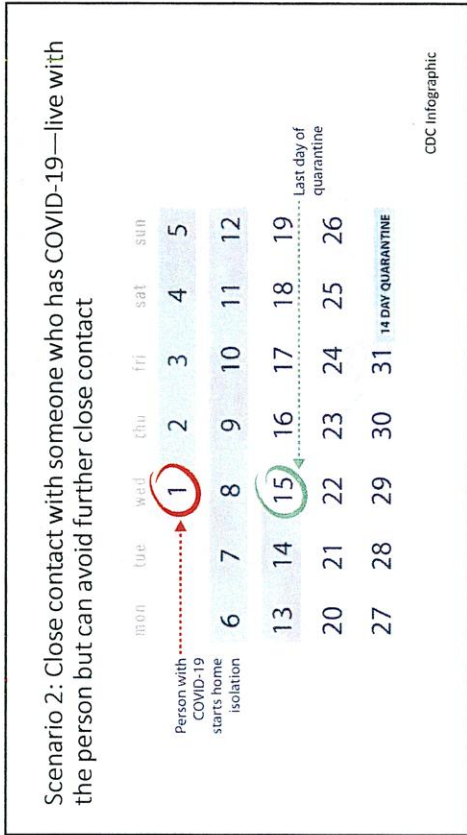
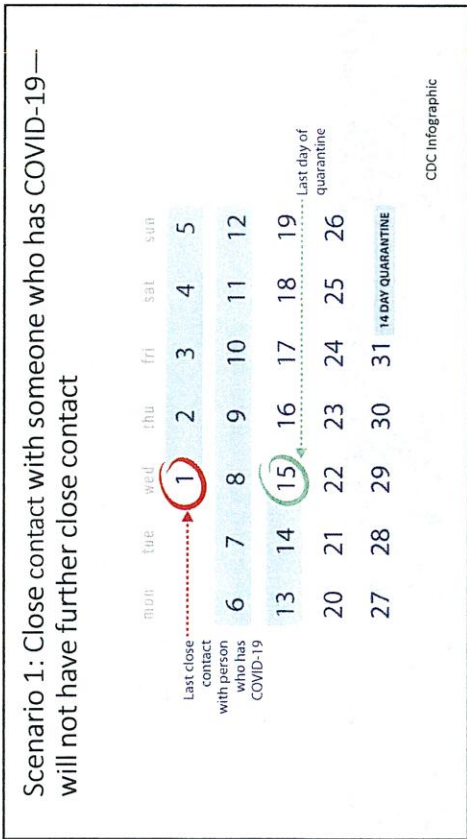
## Outbreak Response Team: Case Investigation

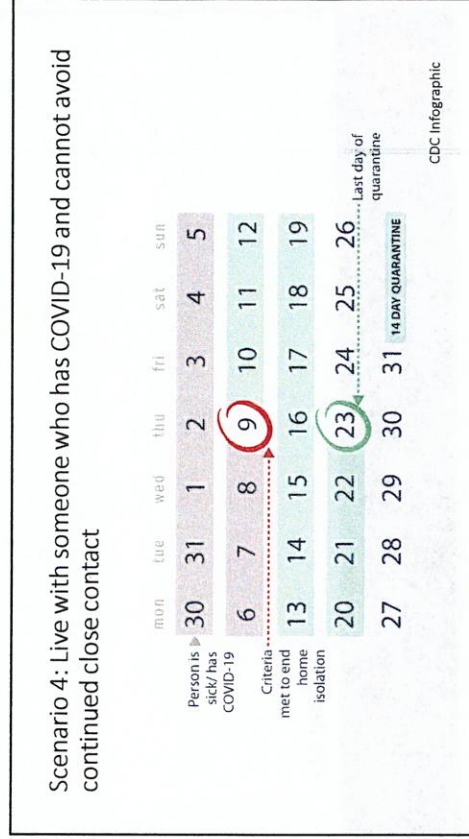
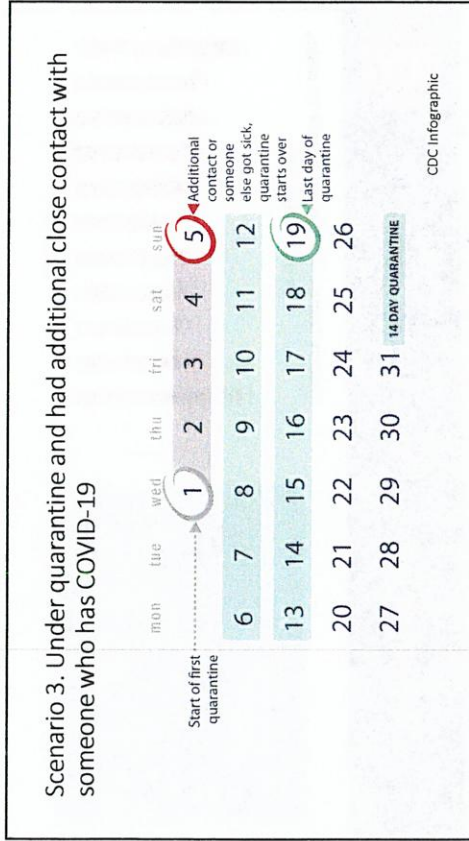
- Pre-COVID: baseline outbreak team 18 RNs total across regions
- Expanded need: 104 ADH RNs & 5 National Guard
- RN calls the patient and discusses the lab result, medical information, isolation & quarantine, and collects other data
- SARA Alert & data entry
- Written communications ( email and paper mail )
- Coordinate with employer
- Case transitions to contact tracing












## Quality Improvement Project

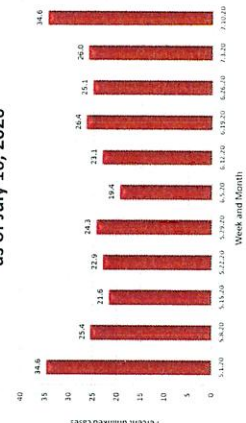


### Weekly trends of unlinked COVID-19 cases, as of July 16, 2020

**Purpose:** To link new COVID-19 cases to known positive cases or clusters.

**Actions:**

- Formed a Quality Improvement (QI) Team. Team meets weekly for the review and update of quality improvement issues.
- Developed Data Linkage Methodology. Team closely reviews the COVID-19 databases, identifies gaps in linkages, and develops methods to link new positive cases to source cases and clusters.
- Produces Weekly Report on Unlinked Cases




Week and Month	Percent unlinked cases
6/17/20	14.6
6/22/20	25.4
6/29/20	21.8
7/6/20	22.9
7/13/20	24.3
7/20/20	28.4
7/27/20	21.1
8/3/20	19.4
8/10/20	25.1
8/17/20	26.0
8/24/20	34.6

## Laboratory Testing



- Dr. Jennifer Dilaha



Laboratory

- At onset CDC testing method capacity was 300 per day
- New tests developed and national goal of increased testing
- Adding capability and capacity: more equipment, more tests, more staff
- PerkinElmer capacity is 1000 per day per instrument
- 3 shifts running 24/7 since March 31
- 10 microbiologists hired as extra hires or reassigned
- 15 lab techs hired or reassigned for data entry and specimen receiving
- Over 40 PHL employees have helped with COVID response
- ADH lab focus on critical populations: health care workers, congregate settings

**Number of Positive, Negative and Total Resulted COVID-19 Tests Reported to REDCap, in Arkansas, by Vendor Type**

Date	UMMS			ADH			Private/Commercial					
	Positive	Negative	% Positive	Total	Positive	Negative	% Positive	Total	Positive	Negative	% Positive	Total
March 2020	16	384	3.9%	410	127	1,265	9.3%	1,392	472	5,250	7.1%	5,722
April 2020	147	2,852	4.9%	2,999	484	3,387	14.3%	3,871	2,109	33,483	5.8%	35,592
May 2020	302	5,160	5.4%	5,462	951	7,387	12.9%	8,338	3,514	64,807	5.1%	68,321
June 2020	765	5,064	13.1%	5,829	2,863	19,373	14.8%	22,236	10,427	141,544	7.1%	151,971
July 2020	325	1,567	20.7%	1,892	1,032	4,544	22.7%	5,576	2,658	32,105	7.7%	34,763
7/1/2020-7/7/2020	320	2,423	11.7%	2,743	1,312	8,529	15.3%	9,841	3,334	27,659	11.9%	30,993
7/8/2020-7/14/2020	71	438	13.9%	509	168	1,657	9.2%	1,825	423	3,345	10.6%	4,008
7/15/2020	46	450	9.3%	496	238	1,221	19.5%	1,459	314	3,734	12.5%	4,048
7/16/2020	10	110	8.3%	120	10	1,000	1.0%	1,010	10	1,000	1.0%	1,010
7/17/2020	16	219	6.8%	235	155	1,931	7.5%	2,086	355	3,725	8.7%	4,080
7/18/2020	50	309	13.9%	359	175	1,660	9.9%	1,735	281	3,370	7.7%	3,651
7/19/2020	50	460	9.8%	510	131	1,718	7.6%	1,849	188	3,165	5.6%	3,353
7/20/2020	50	460	9.8%	510	131	1,718	7.6%	1,849	188	3,165	5.6%	3,353
7/21/2020	50	460	9.8%	510	131	1,718	7.6%	1,849	188	3,165	5.6%	3,353
<b>Total</b>	<b>2,209</b>	<b>34,688</b>	<b>7.1%</b>	<b>36,897</b>	<b>7,561</b>	<b>53,996</b>	<b>12.2%</b>	<b>61,557</b>	<b>25,374</b>	<b>329,138</b>	<b>7.3%</b>	<b>354,512</b>


\*The values above are as of 10:30 am on 7/22/2020; present day values can differ as new data are actively received and modified for correction.  
 \*\*Total Positives = 35,246; missing date for 101 ADH positive and 104 Private Lab positives; 40 positives resulted on 7/22/2020 and are not included (245 total).  
 \*\*\*% Positive is defined as the percentage of positive cases out of the total tests conducted.

Date	Total		
	Positive	Negative	% Positive
March 2020	617	7,859	7.3%
April 2020	2,734	40,092	6.4%
May 2020	4,369	77,554	5.3%
June 2020	14,605	170,021	7.9%
7/1/2020-7/7/2020	4,015	39,616	9.2%
7/8/2020-7/14/2020	4,970	38,411	11.5%
7/15/2020	662	5,680	10.4%
7/16/2020	818	5,405	13.1%
7/17/2020	581	4,375	11.7%
7/18/2020	526	5,865	8.2%
7/19/2020	506	5,279	8.7%
7/20/2020	369	5,363	6.4%
7/21/2020	229	3,704	5.8%
<b>Total</b>	<b>35,001**</b>	<b>409,224</b>	<b>7.9%</b>

Key: COLLEGE/DMH


\*The values above are as of 10:30 am on 7/22/2020; present day values can differ as new data are actively received and modified for corrections.  
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 \*\*\*% Positive is defined as the percentage of positive cases out of the total tests conducted.





### Ongoing Response

- Continue current efforts
  - Partnership with ADE and ADHE
- Local Health Unit Operations
- CARES Act Steering Committee Support



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