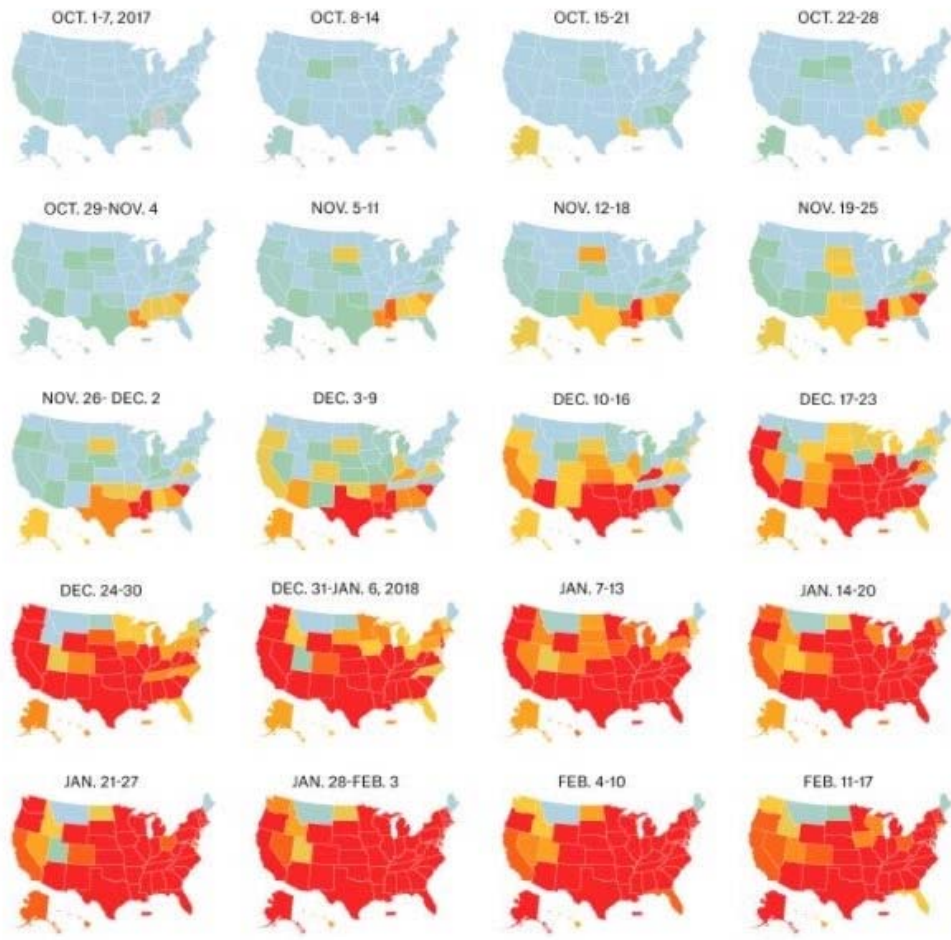


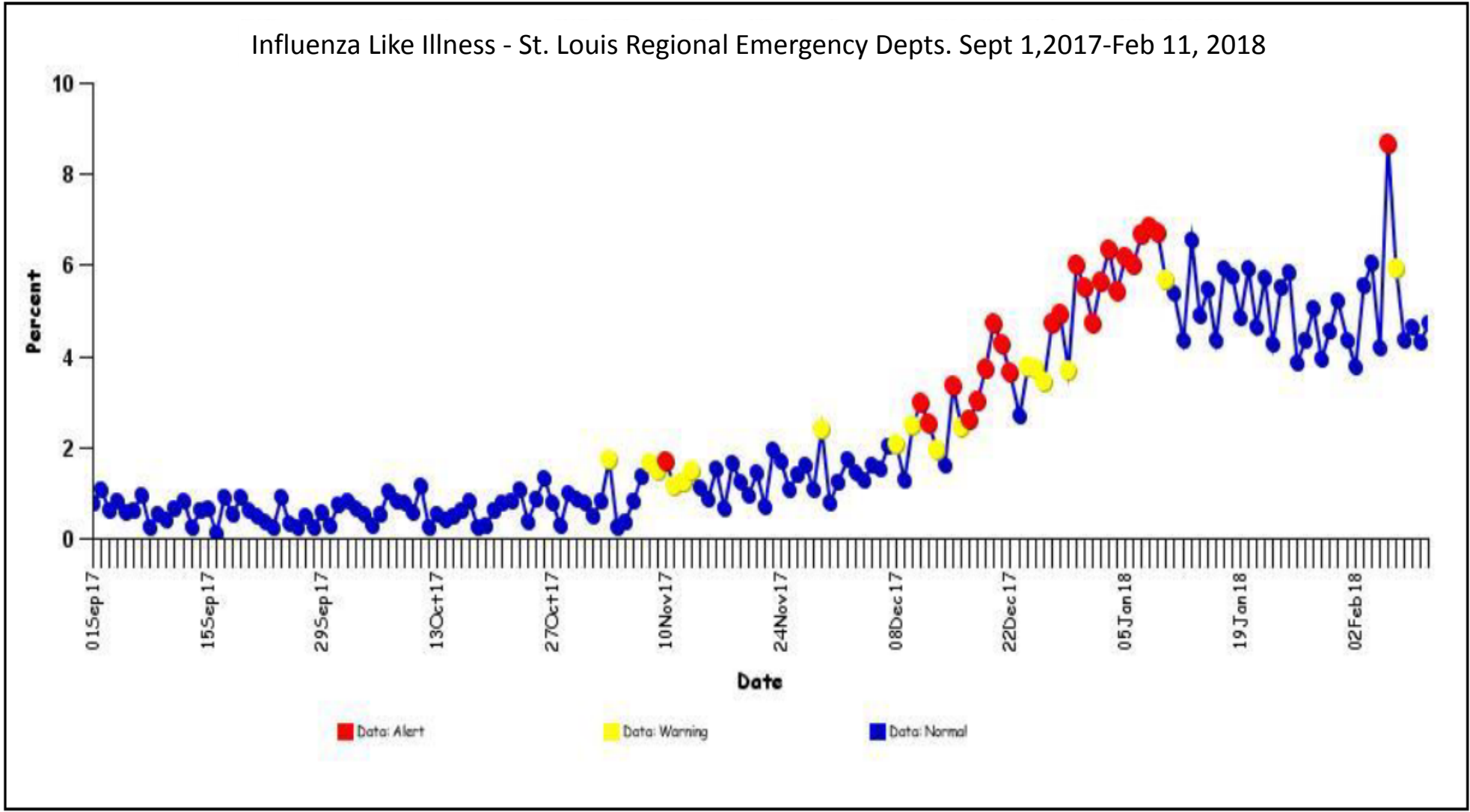
# Regional Response to the Influenza Surge

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**INFLUENZA-LIKE ILLNESS ACTIVITY LEVEL**

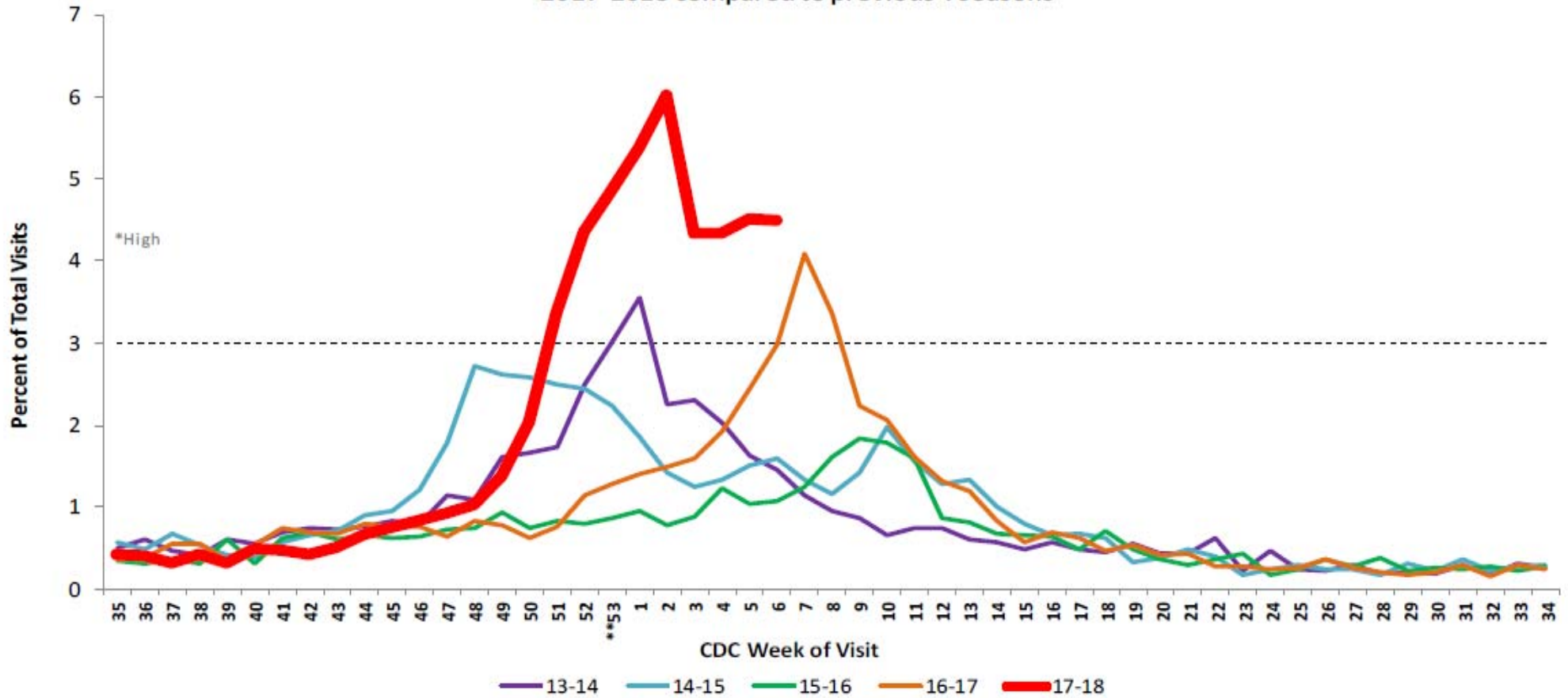


ESSENCE ILI Surveillance



# ILI as Weekly Percent of Total Emergency Department (ED) Visits

St. Louis Hospitals  
2017-2018 compared to previous 4 seasons



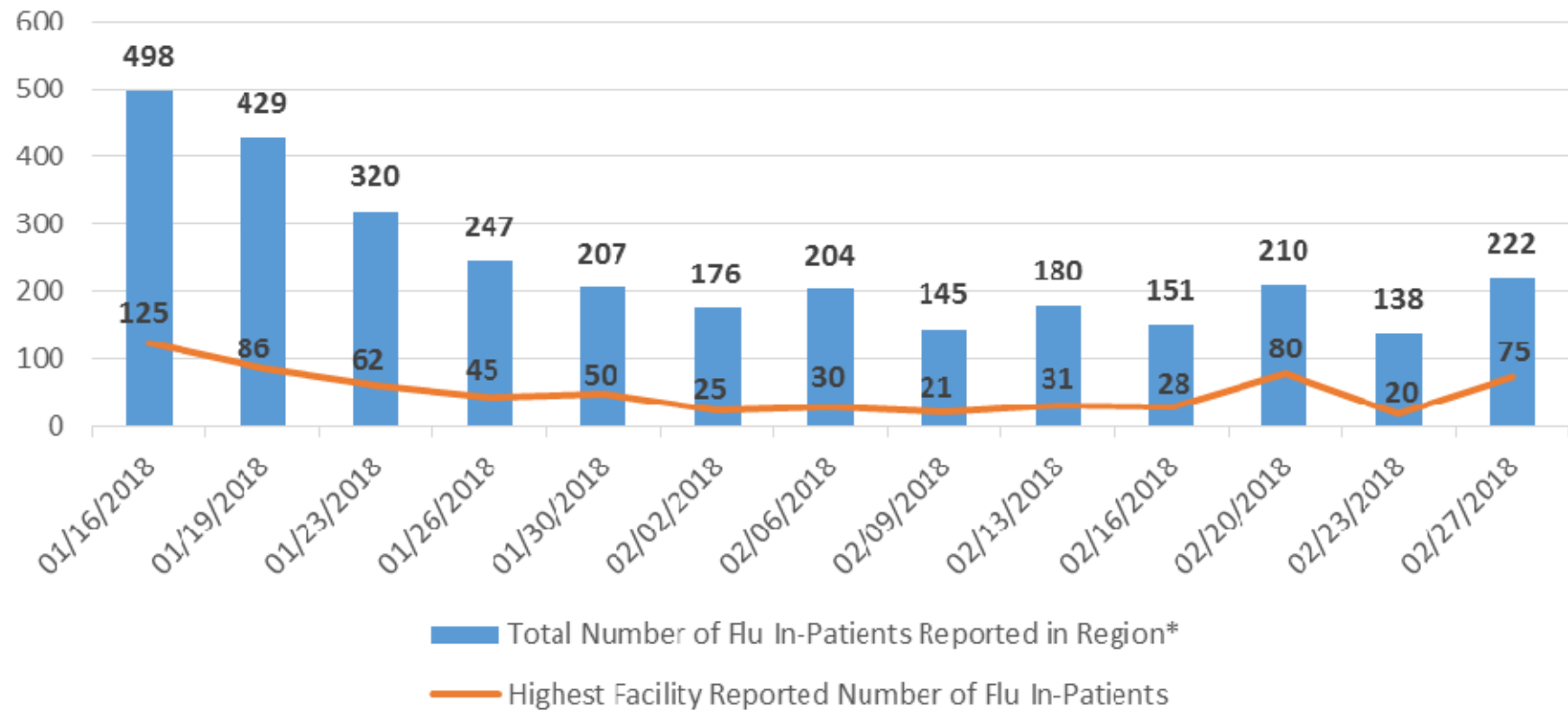
\*High: Average (mean) weekly ILI percent of visits from previous four seasons plus three (3) standard deviations.

\*\*For previous seasons with a week 53, the week 53 data point for these seasons is an average of week 52 and week 1.

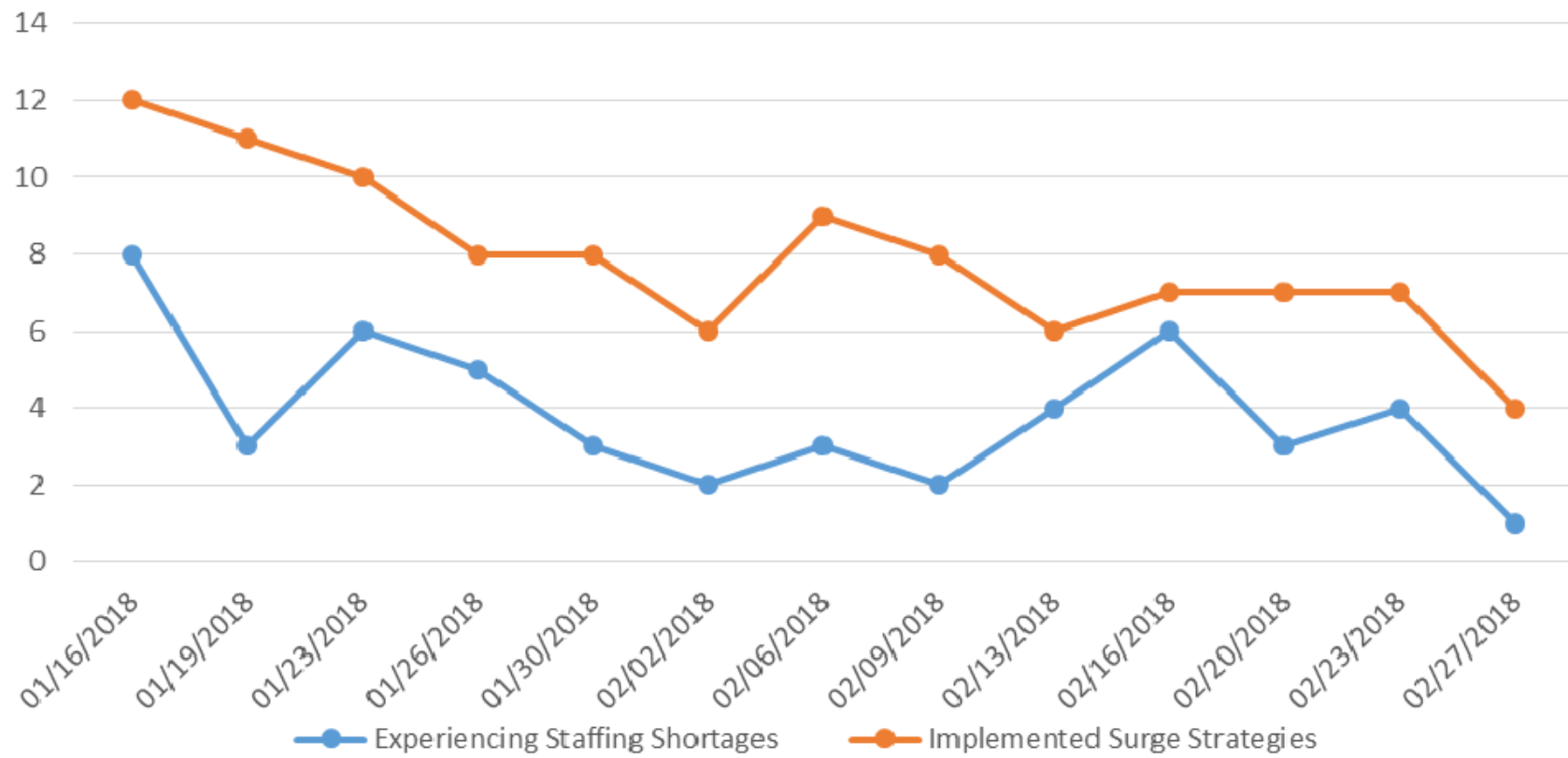
St. Louis Region  
Hospitals Queried = 39

	Total Number of Flu In-Patients Reported in Region*	Highest Facility Reported Number of Flu In-Patients	Average Number of Flu In-Patients	Experiencing Staffing Shortages	Implemented Surge Strategies	Number of Hospital Responses
01/16/2018	498	125	17	8	12	
01/19/2018	429	86	15	3	11	
01/23/2018	320	62	11	6	10	
01/26/2018	247	45	9	5	8	
01/30/2018	207	50	7	3	8	
02/02/2018	176	25	6	2	6	
02/06/2018	204	30	6	3	9	
02/09/2018	145	21	5	2	8	
02/13/2018	180	31	7	4	6	
02/16/2018	151	28	5	6	7	29
02/20/2018	210	80	7	3	7	31
02/23/2018	138	20	5	4	7	29
02/27/2018	222	75	8	1	4	29

## Flu Query Summary Data St. Louis Region



## Flu Query Summary Data St. Louis Region



# Hospital Status

Hospital increased patient load up to 40% of normal daily census

Emergency Dept. patient wait times increased; some as long as 8 hours

St. Louis Medical Operations Center (SMOC) stood up virtual command at the request of SSM Health; daily calls commenced for 10 days

MO Hospital Association tracked surge data through EMSystem Queries

Facilities instituted a myriad of mitigation strategies

Children not as imminently impacted (possibly due to schools out on winter break, surged following adults)



# Improvement Planning

Better understanding how to share staffing, specifically 'travel nurse' companies

Ordering of supply ahead of peak

Medical surge planning for non-trauma and non-acute in Emergency Departments

Questions?

**Thank you.**