

Salmonella Paratyphi B: A Local Perspective

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Maricopa County, Arizona

- Population: Over 4 million*
 - Roughly 2/3 population of Arizona
 - 4th most populous county in United States
- Salmonella cases investigated per year: 462**
- ~ 21 PulseNet clusters per year***

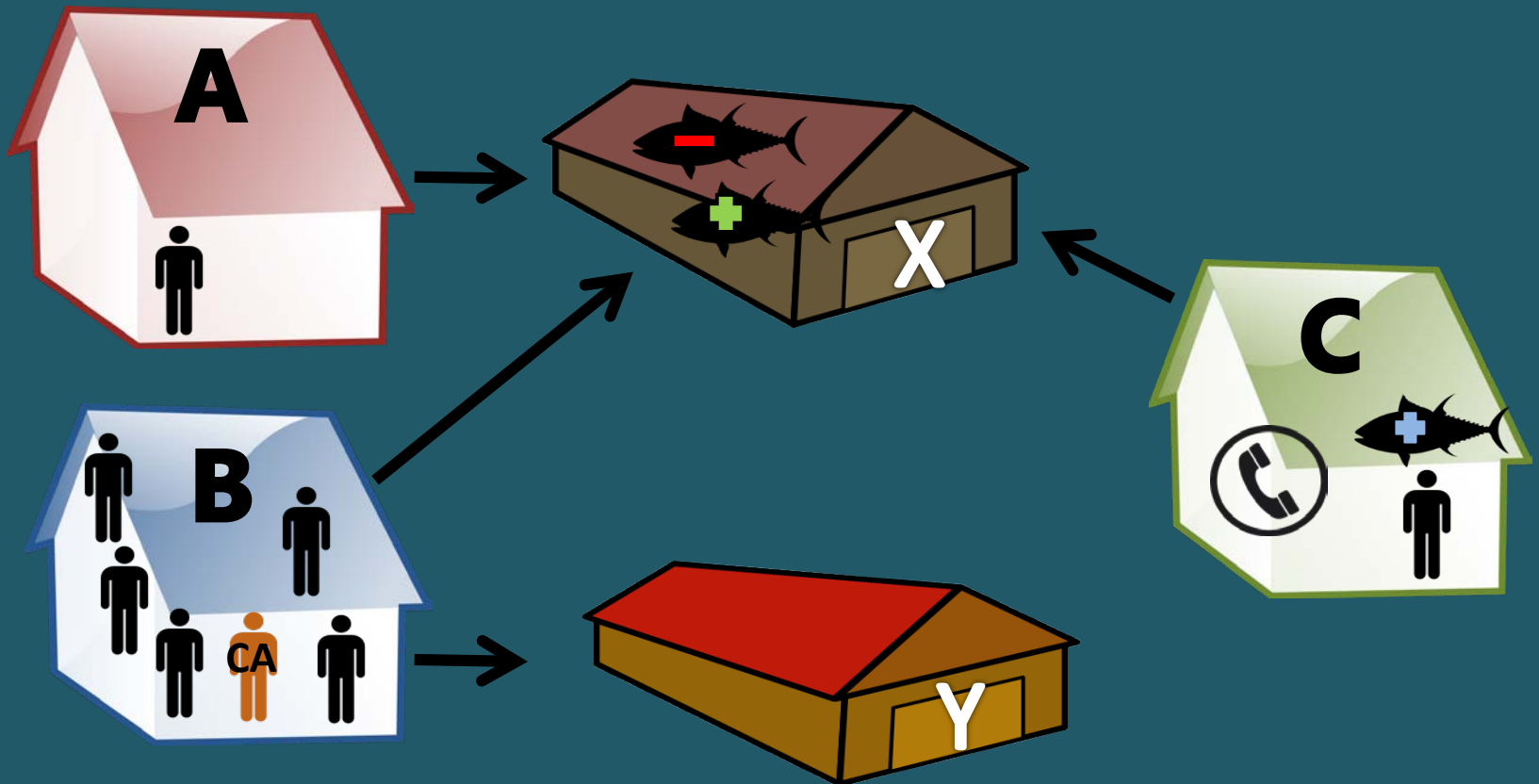
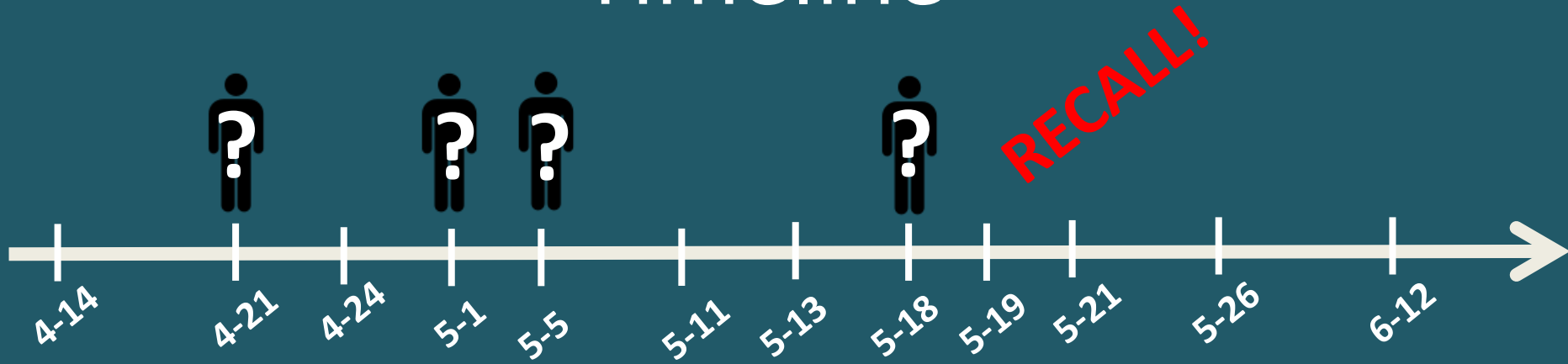


* 2014 estimate (<http://quickfacts.census.gov/qfd/states/04/04013.html>)

** 5-year average 2010-2014; confirmed and probable cases only

***5-year average 2010-2014

Timeline





Descriptive Statistics

Lab-Confirmed Cases	N= 12
Serotypes/PFGEs	<i>Salmonella</i> Paratyphi B, JKXX01.1495 (11) <i>Salmonella</i> Weltevreden, JQPX01.0371 (1)
Range of Onsets	3/25/2015 - 5/28/2015
Sex	66% female
Age Range	<1 year - 58 years Median: 28.5 years
Hospitalized	3 (25%)

Environmental Services Sampling

Collection Date	Sample Location	Result	Result Date
5/6/2015	Distributor X	Negative	5/11/2015
5/14/2015	Restaurant C	Positive for <i>Salmonella</i> Newport	5/19/2015
5/20/2015	Distributor X	Positive for <i>Salmonella</i> Weltevreden	5/26/2015



Lessons Learned

- Think outside the PFGE pattern
- Consider the complexity of distribution chains
- Flexibility and communication were key



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QUESTIONS?

