

'Berc in the 'Burbs

Contact investigation of a high school student with tuberculosis disease - Johnson County, Kansas, 2015

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and Environment



Feb 27

The Call

- Phone call from a local physician
- High school student with probable tuberculosis disease
- 3 month history of cough, fever, weight loss, night sweats
- Chest x-ray showed large upper lobe infiltrates



Feb 27

The Call

Patient Interview

- Patient education provided
- Family and social contact list gathered
- Began patient on standard 4 drug therapy
- Patient placed on home isolation



Feb 27

Lab results

The Call

Mar 3

Patient Interview

- Acid fast bacilli positive (grading 4+)
- Contact investigation initiated



Feb 27 HS Contacted
Lab results

Mar 3

The Call Patient Interview

- Approximately 2000 students
- Built in 2003

JOHNSON COUNTY KANSAS

Feb 27 HS Contacted
Lab results

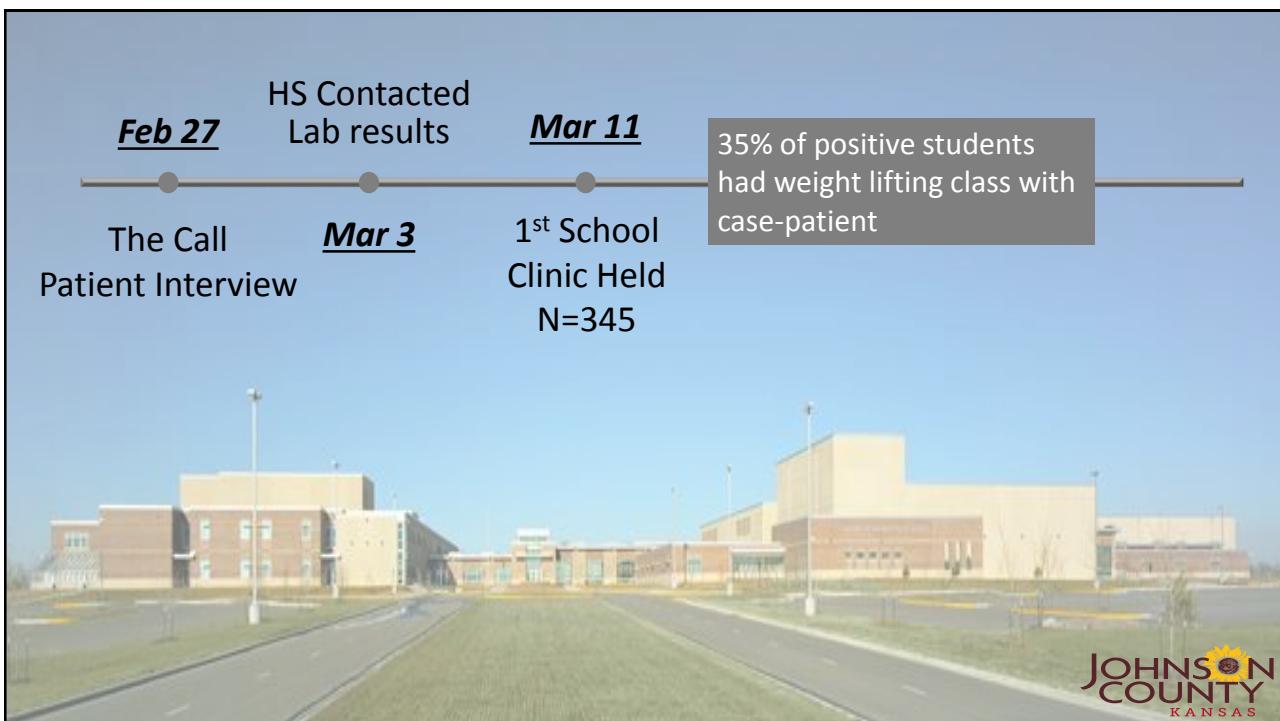
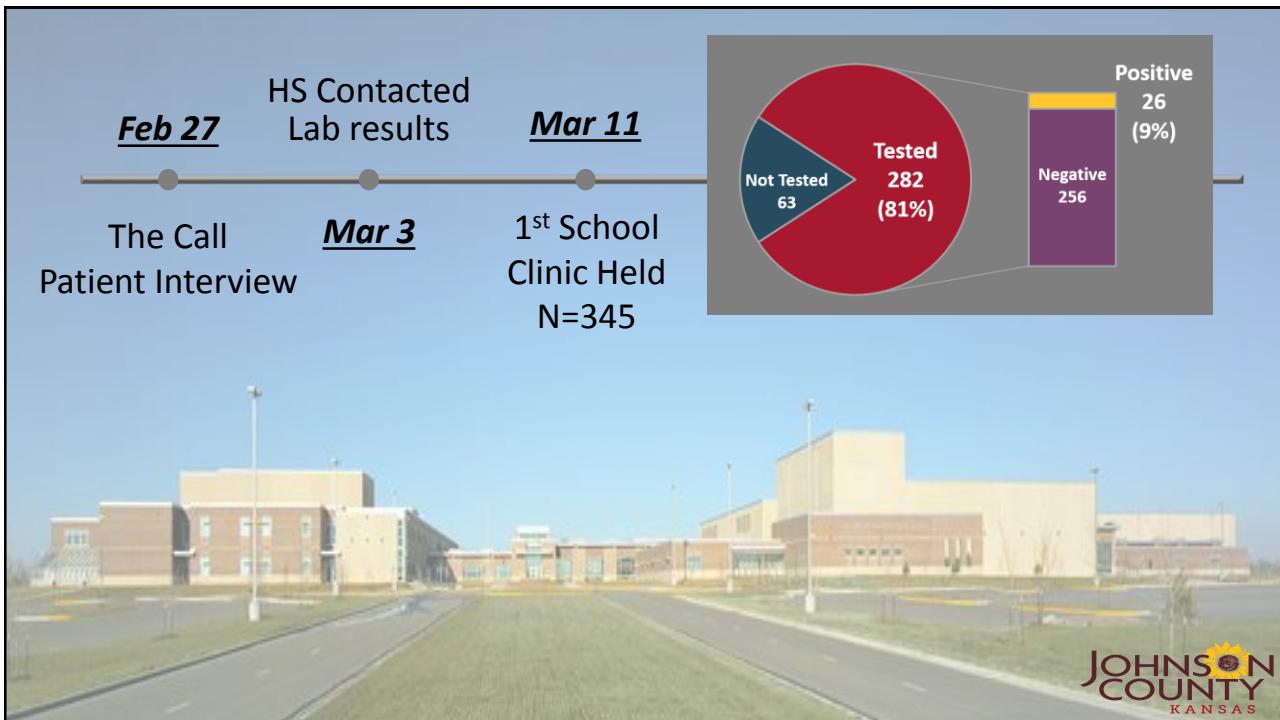
Mar 3

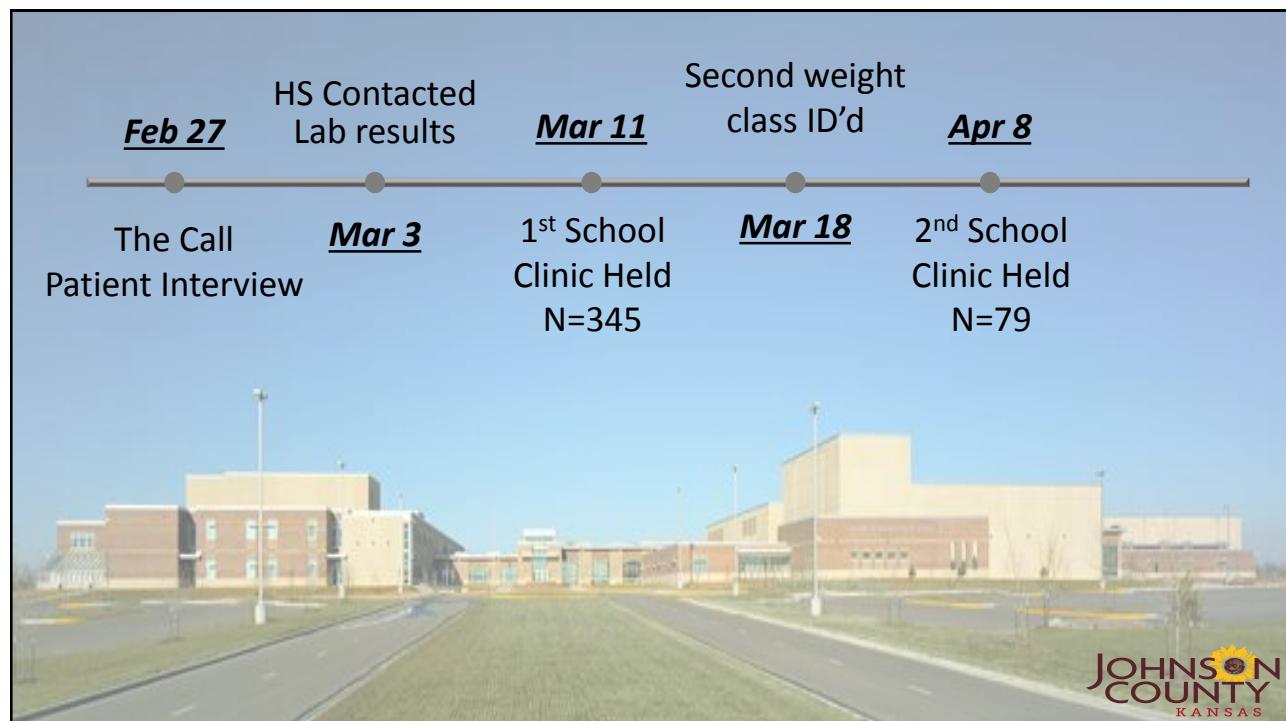
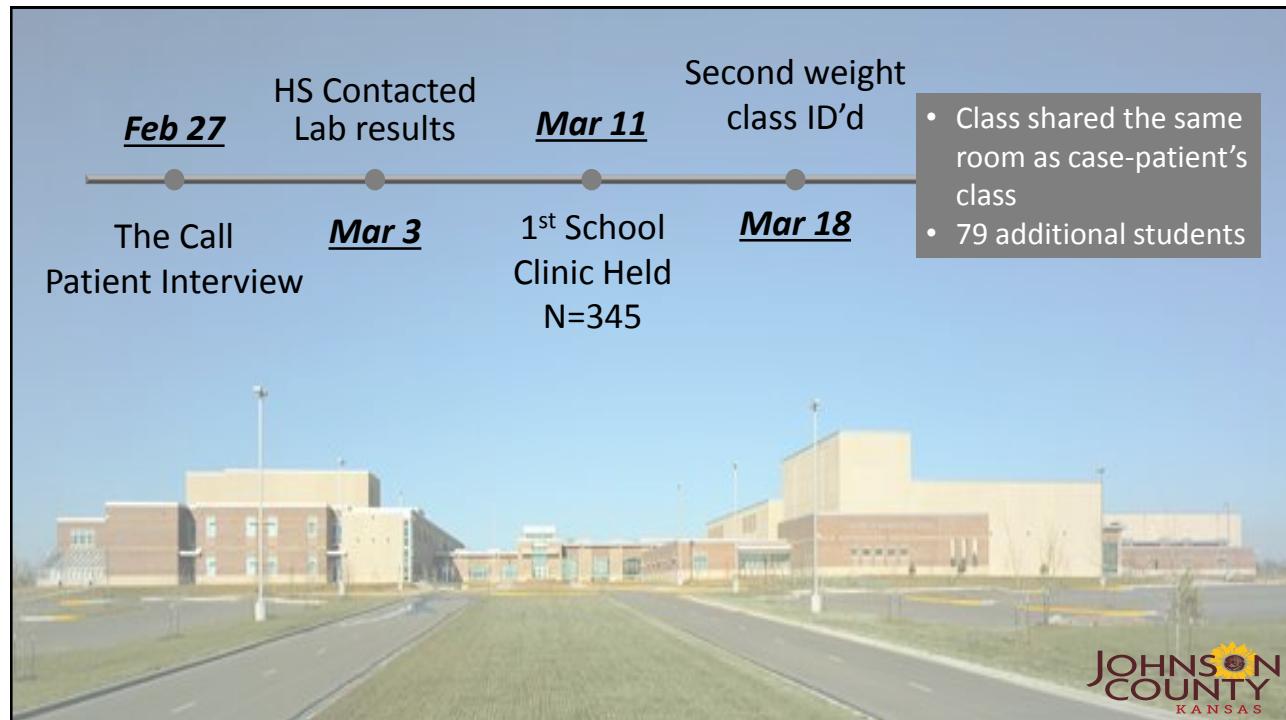
The Call Patient Interview

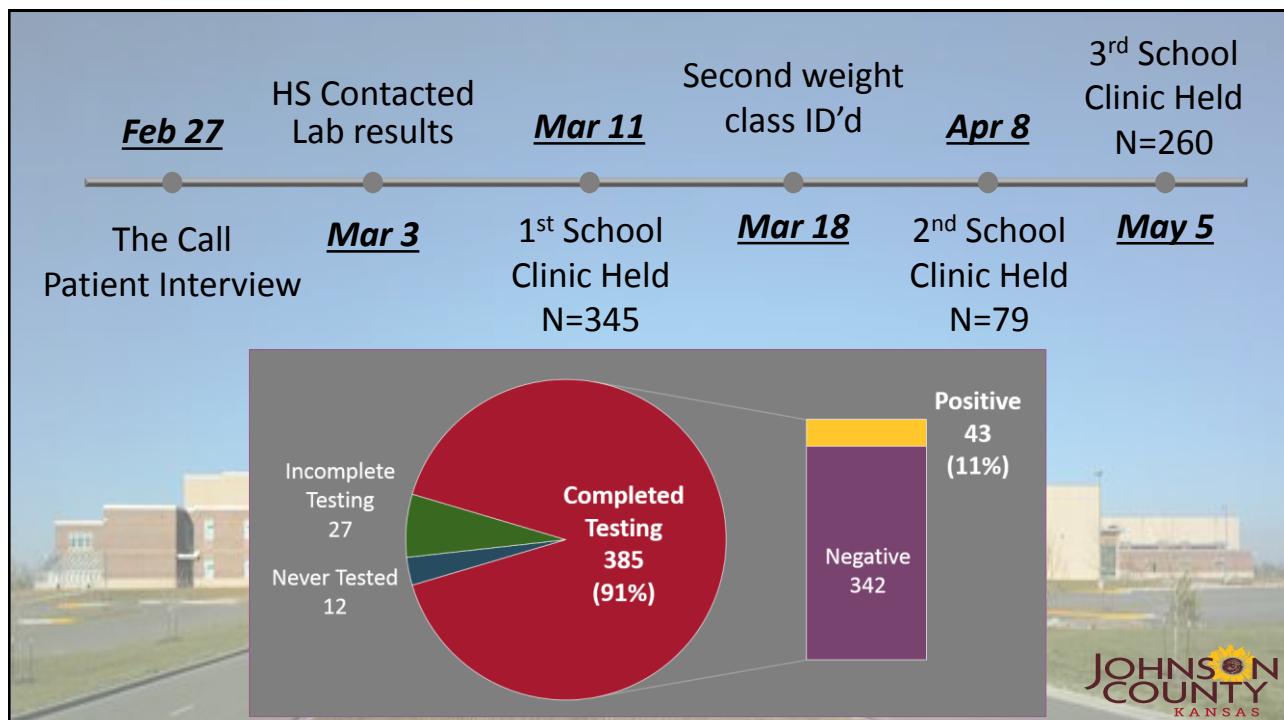
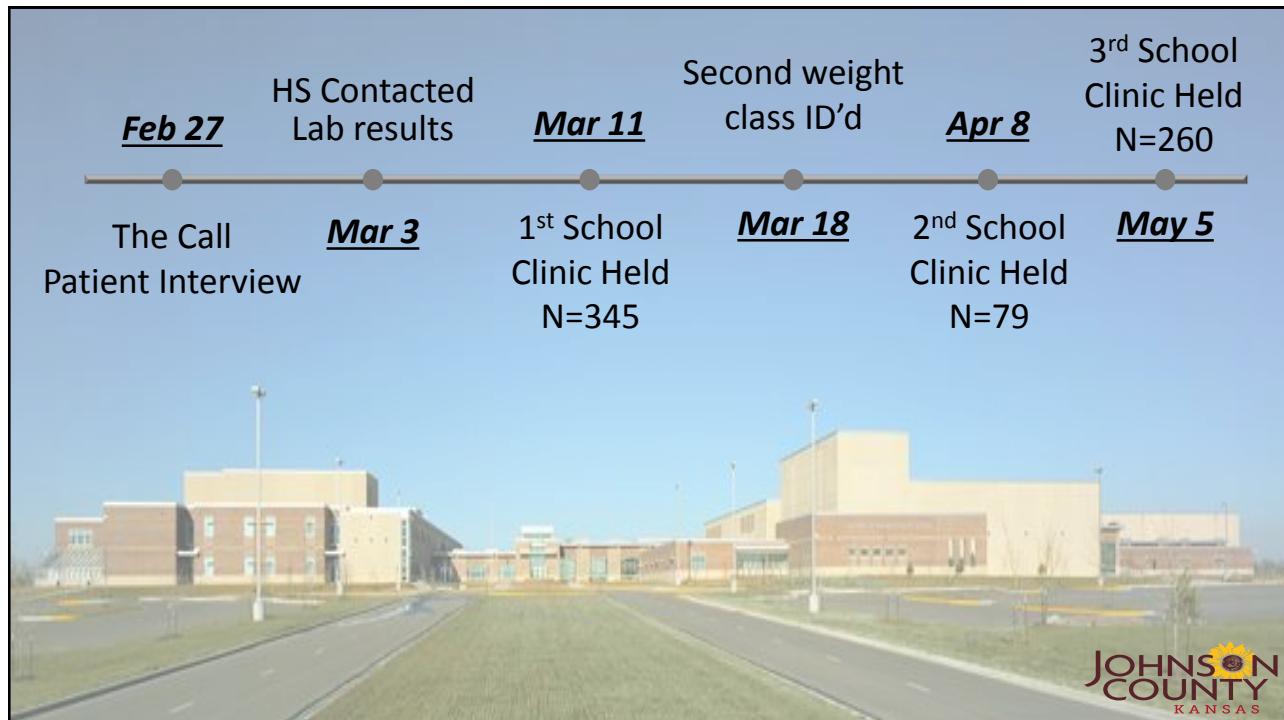
Mar 11 1st School
Clinic Held

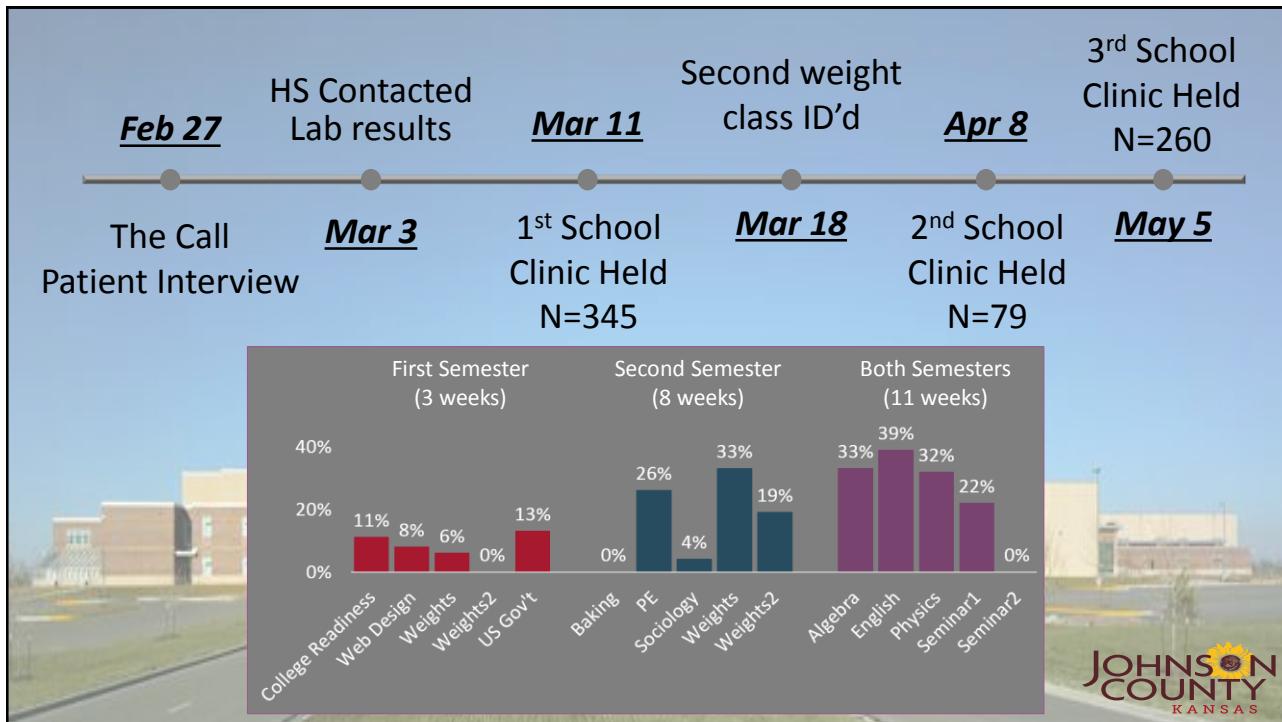
- Tested all students who were in classes with the case-patient
- 345 individuals identified
- Utilized IGRAs

JOHNSON COUNTY KANSAS



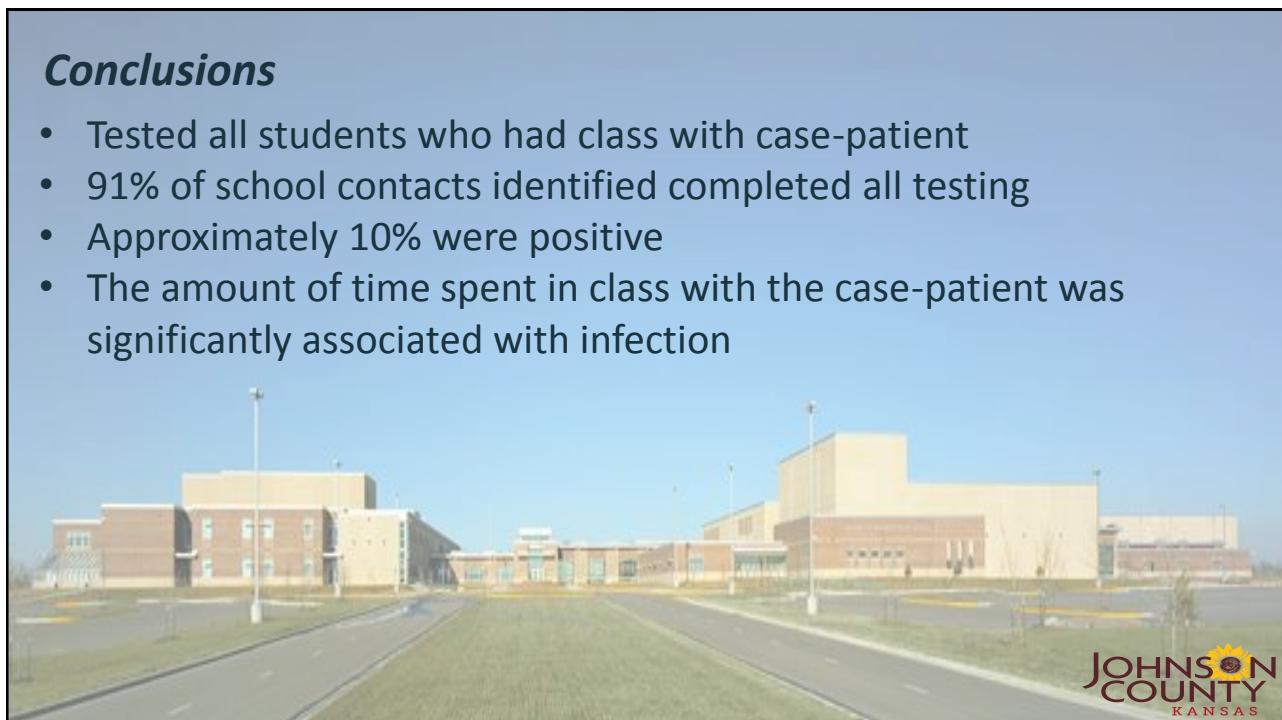






Conclusions

- Tested all students who had class with case-patient
- 91% of school contacts identified completed all testing
- Approximately 10% were positive
- The amount of time spent in class with the case-patient was significantly associated with infection



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