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discuss the key features of the epidemic that you can derive from the epidemic curve though infants adolescents and adults were involved in the epidemic the majority of cases occurred in children 1 to 9 years of age measles cases were not evenly distributed within the two counties between june 1970 and january 1971 633 cases of measles occurred in texarkana a city bisected by the texas arkansas state line a total of 606 95 7 of the cases occurred in texarkana bowie county tex a community that had never had a measles vaccination campaign get answers to questions about protecting against measles measles vaccine and how measles spreads history of measles measles resources find the latest numbers of confirmed measles cases in the u s cdc updates this page weekly measles outbreak in a community on the border of two states the arkansas side with required school immunization and high immunization rates the texas side without required immunization and low immunized rates 1970 a total of 606 95 7 of the cases occurred in texarkana bowie county tex a community that had never had a measles vaccination campaign the level of prior immunity natural plus vaccine induced in the 11 185 children aged 1 to 9 years in bowie county was estimated to be 57 an outbreak of measles rubeola occurred in a city in northeastern ohio between january and june 1969 involving 14 children previously inoculated with live attenuated measles virus vaccine and 46 unvaccinated children and loss of initial seroconversion is the most likely cause in contrast texarkana arkansas had mass vaccination programs for school and pre school children in 1968 and 1969 based on health department and physician records over 99 of children aged 1 9 years of age in miller county arkansas had received measles vaccination prior to the outbreak measles is a contagious virus commonly seen in children that causes fever cough runny nose and pneumonia learn about symptoms and treatment in 2005 a combination measles mumps rubella and varicella mmrv vaccine was licensed before a vaccine was available infection with measles virus was nearly universal during childhood and more than 90 of persons were immune due to past infection by age 15 years measles is a highly contagious respiratory illness caused by a virus when people contract measles they can develop fever cough pink eye conjunctivitis and a general feeling of being unwell epidemic measles in a divided city epidemic measles in a divided city jama 1972 aug 7 221 6 567 70 early symptoms of measles include fever which can reach 103 to 105 degrees f cough runny nose and red watery eyes three to five days after symptoms start a rash of red spots appears on the face and then spreads over the entire body measles also known as rubeola is one of the most contagious infectious diseases with at least a 90 secondary infection rate in susceptible domestic contacts it can affect people of all ages in follow up telephone calls cdc learned from state health officials that 295 cases of measles had been diagnosed in the city of texarkana including 25 in children reported to have been previously immunized an invitation to investigate the situation was extended to the cdc on november 4 1970 measles immunity in children vaccinated before one year of age a schluederberg sh lamm pj landrigan fl black american journal of epidemiology 97 6 402 409 1973 q2c comment on case definition the investigators used a very broad sensitive case definition given measles was prevalent during the outbreak and as a clinical entity rarely occurs in atypical form this seems appropriate what to know these recommendations provide guidance on preventing and controlling measles in healthcare settings table of contents measles interim recommendations appendix a considerations when evaluating a person for exposure to measles in a healthcare setting appendix b additional information about respirators how are the case studies used students may practice their epidemiologic skills by using these exercises in classroom activities or as homework assignments to reinforce principles and skills previously covered in lectures and reading assignments epidemic measles in a divided city between june 1970 and january 1971 633 cases of measles occurred in texarkana a city bisected by the texas arkansas state line where more than 95 of the 6 016 children aged 1 to 9 years were immune expand texarkana epidemic measles in a divided city student guide 711 903 pdf 12 pages case study based on an infectious disease outbreak investigation in texas

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an outbreak of measles rubeola occurred in a city in northeastern ohio between january and june 1969 involving 14 children previously inoculated with live attenuated measles virus vaccine and 46 unvaccinated children and loss of initial seroconversion is the most likely cause

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in contrast texarkana arkansas had mass vaccination programs for school and pre school children in 1968 and 1969 based on health department and physician records over 99 of children aged 1 9 years of age in miller county arkansas had received measles vaccination prior to the outbreak

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early symptoms of measles include fever which can reach 103 to 105 degrees f cough runny nose and red watery eyes three to five days after symptoms start a rash of red spots appears on the face and then spreads over the entire body

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measles also known as rubeola is one of the most contagious infectious diseases with at least a 90 secondary infection rate in susceptible domestic contacts it can affect people of all ages

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in follow up telephone calls cdc learned from state health officials that 295 cases of measles had been diagnosed in the city of texarkana including 25 in children reported to have been previously immunized an invitation to investigate the situation was extended to the cdc on november 4 1970

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how are the case studies used students may practice their epidemiologic skills by using these exercises in classroom activities or as homework assignments to reinforce principles and skills previously covered in lectures and reading assignments

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