Making Adolescents Health our Priority

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Introduction

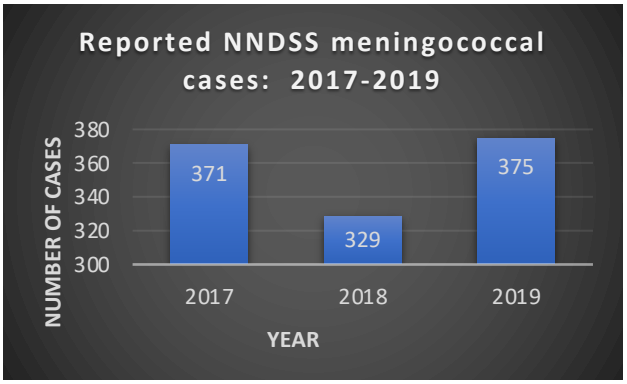
Kaiser Permanente's mission is to provide high-quality, affordable healthcare services and to improve the health of its members and the communities it serves. Currently the Kaiser Permanente Fontana Pediatric Clinic is not reaching their Combo 1 (Meningococcal, Tetanus, Diphtheria, and Pertussis vaccines) adolescents Clinical strategic goal (CSG) month over month.

Objective

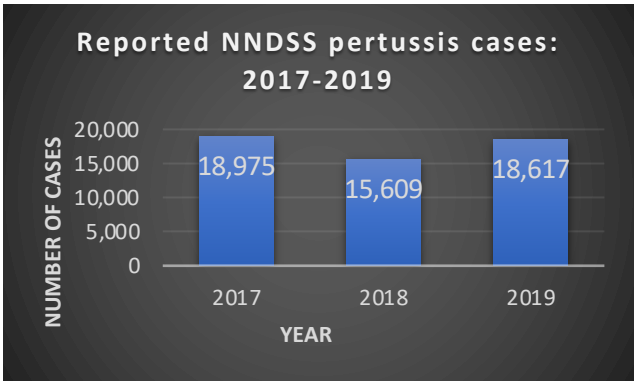
The goal of this project is to improve the adolescent immunization Combo 1 (Meningococcal, Tetanus, Diphtheria, and Pertussis vaccines) rate at the Fontana Pediatric Clinic from 88.3% in November, 2021 to 91% by May 15, 2022 by identifying and closing care gaps at the time of visit.

Why are vaccines important?

Vaccines are important because they can prevent infectious diseases that once killed or harmed many infants, children, and adults. When children are not vaccinated, they run the risk of suffering pain, disability, and even death.



This graph illustrates the number of meningococcal cases reported to CDC from 2017 to 2019.



This graph illustrates the number of pertussis cases reported to CDC from 2017 to 2019.

Globally **38,000** people died from tetanus in 2017 (Hannah et al., 2020)

Even with treatment, about 1 in 10 people with respiratory diphtheria will die (CDC, 2020).

Recommendations

-**Usage of the Proactive Care Tab:** When the staff checks the Proactive Care Tab it allows the staff to see if patients are due for vaccines.
-CAIR website usage: The California Immunization Registry website is a secure, confidential, statewide computerized immunization information system for California residents.
-Usage of Reconcile button: Some outside immunization records can be found under the reconcile button. The reconcile button is found under the patient's electronic health record.

The graph to the left shows how many Licensed Vocational Nurses and Medical Assistants had access to CAIR at the beginning of the study and how many had access at the end of the study.

Conclusion

By having staff click on the Proactive Care Tab and having them address care gaps we hope to improve the quality performance. An outreach team will also be created to outreach those adolescent patients that are due for the Combo 1 vaccines.

References

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Hannah Behrens, Sophie Ochmann, Bernadeta Dadonaite and Max Roser. (2019). *Tetanus*. 'https://ourworldindata.org/tetanus'

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