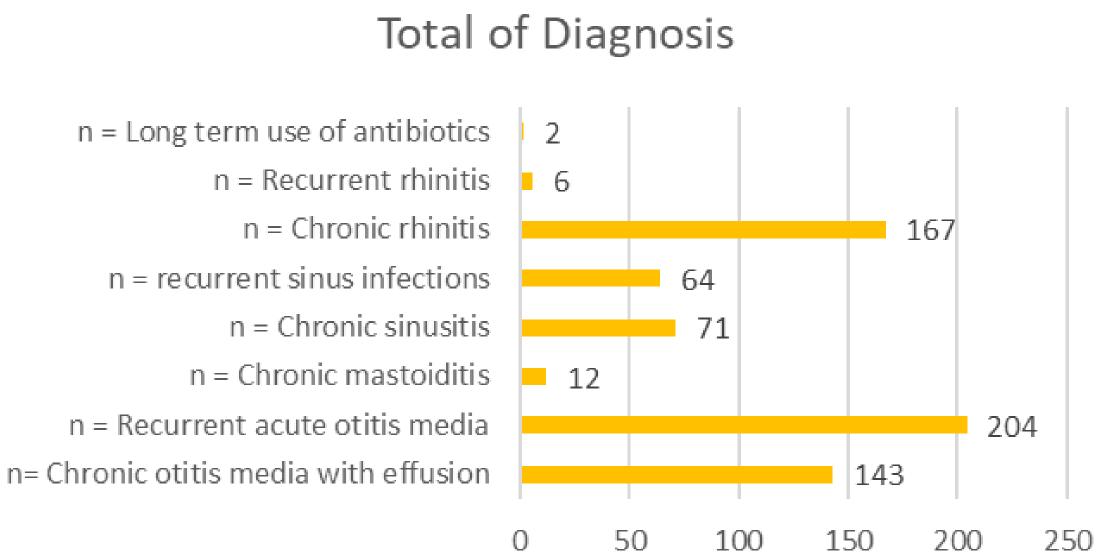


## Introduction

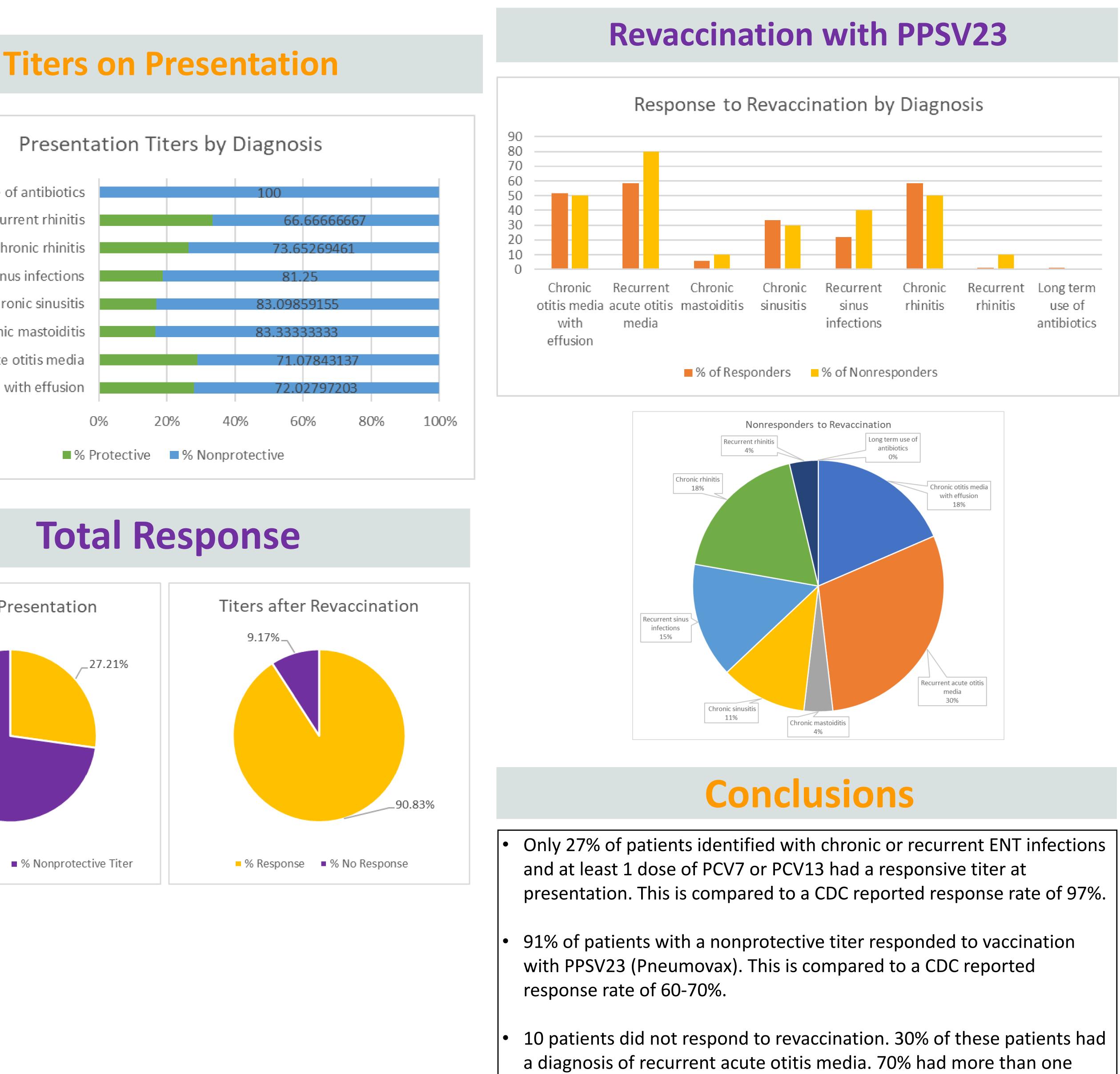
- Streptococcus pneumoniae is the most common bacterial cause of sinus and ear infections in pediatric patient populations. Fortunately, pneumococcal conjugate vaccines exist and are routinely administered in pediatric populations
- Unfortunately, immunologic response to the vaccine varies between individuals, with conferred immunity providing varying levels of protection from subsequent pneumococcal infections.
- This study aims to determine the relationship of pneumococcal vaccine response with recurrent and chronic pneumococcal infection, especially in children who have been revaccinated after a measured non-responsive titer level.

### **Study Design**

- Patients with at least one of eight chronic or recurrent ENT infections were identified via chart review
- Patients additionally had completed at least 1 dose of PCV7/13 (Prevnar 7/13) before their first titer
- Patients who were revaccinated with PPSV23 (Pneumovax) and then had a titer measurement were identified and classified based on response



# **Responses of Pediatric Patients with Otolaryngologic Infections and Nonprotective Streptococcal Titers to Vaccination** Caroline Bonaventure, BS; David Thompson, MD; Adele Evans, MD LSU School of Medicine, New Orleans, LA



diagnosis.

