

Trends in Pharmacy Reporting to the New York City Citywide Immunization Registry

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Background

- New York State (NYS) Education Law 6803 authorizes pharmacists to administer influenza, pneumococcal, zoster, meningococcal, and tetanus-containing vaccines to adults.
- As of 2018, pharmacists are authorized to administer influenza vaccine to children 2 years of age or older.
- NYS Public Health Law (PHL) Article 21, Title 6, Section 2168 requires pharmacists and registered nurses to report all immunizations administered within New York City (NYC) to the Citywide Immunization Registry (CIR).
- No reporting requirement exists for the administration of adult vaccines by healthcare personnel who are not pharmacists or registered nurses.
- The reporting of adult vaccines to the CIR can only be done with patient consent.

Methods

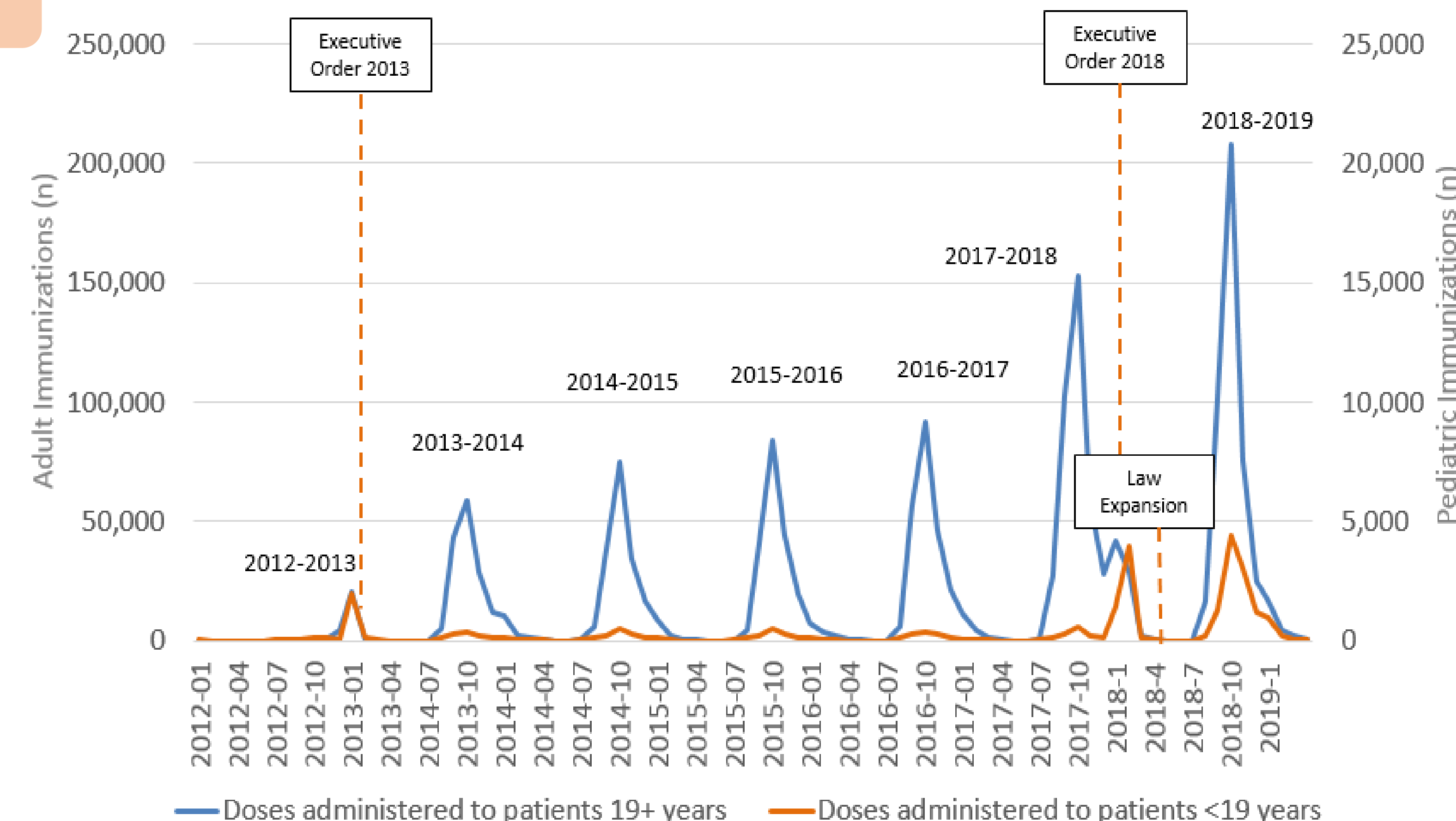
- CIR data from 2013-2019 were queried to assess trends in the number and types of vaccines reported by pharmacists.
- Pediatric influenza doses were included in queries to reflect Executive Orders in 2013 and 2018 that allowed pharmacists to administer influenza vaccine to pediatric patients as young as 2 years old and subsequent changes to law that allowed pharmacists to vaccinate this population against influenza in the 2018-2019 flu season.



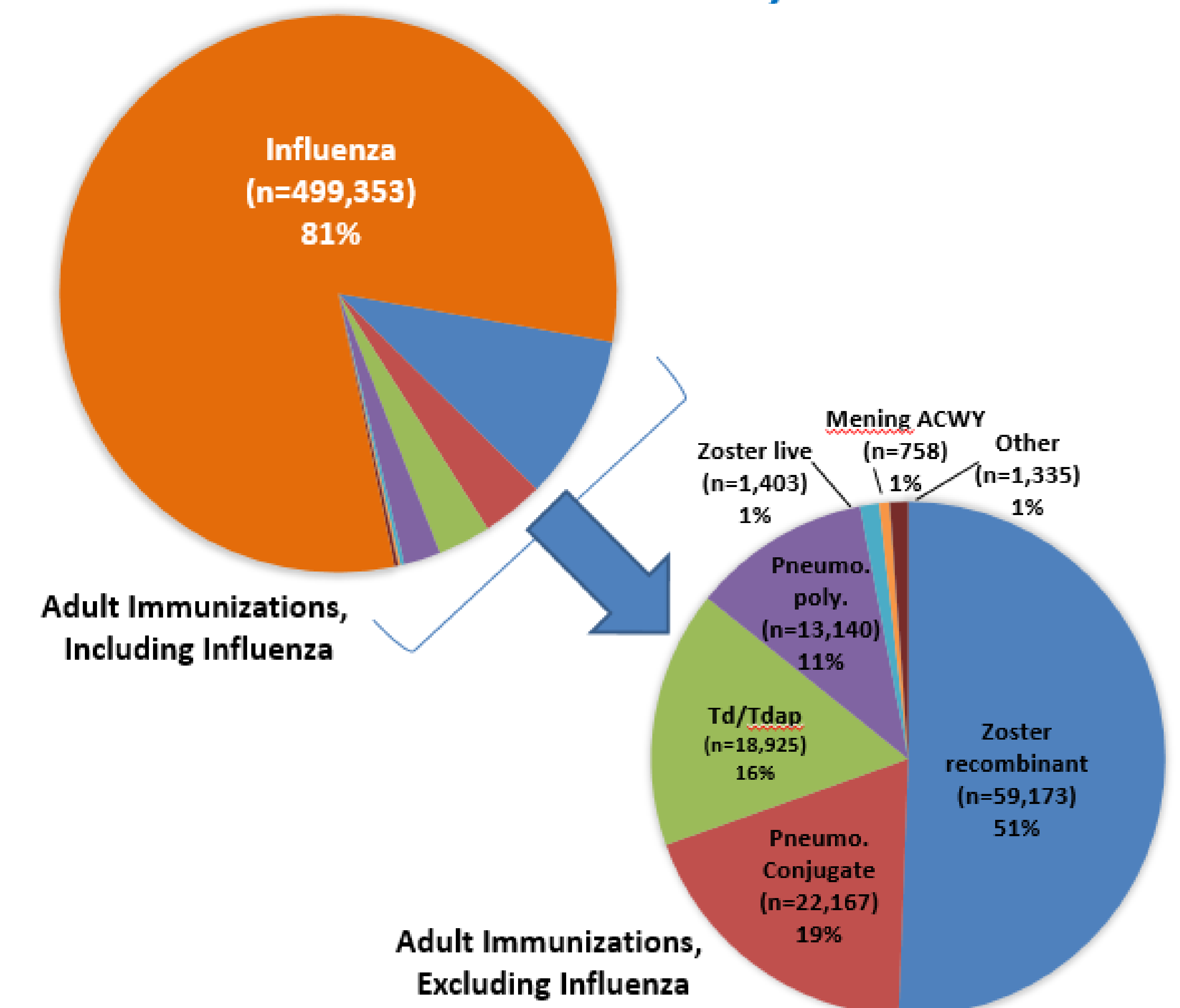
Results

- A total of 872 pharmacies reported 616,258 adult immunizations to the CIR in 2018 compared to 177,232 immunizations reported by 347 pharmacies in 2013.
- Since 2013, pharmacy reporting of adult vaccine doses to the CIR has increased with a 151% increase in the number of pharmacies reporting and a 248% increase in the number of doses reported.
- Pharmacists administered 11,305 doses of pediatric flu vaccine to children 2 years of age or older between July 1, 2017 and April 30, 2019.
- Influenza vaccine accounted for 81% of immunizations reported by pharmacies in 2018.

Pharmacy Reporting of Influenza Immunizations, 2012-2019



Pharmacy Reporting of Adult Immunizations, 2018



Conclusions

- A large increase in the number of immunizations reported by pharmacies was seen over the past six years.
- Influenza is overwhelmingly the vaccine most commonly reported by pharmacies. Improving pharmacy assessment for other vaccines when administering flu vaccine may increase adult vaccination, especially for pneumococcal and zoster vaccines.
- Pharmacies now have a role in improving pediatric influenza vaccine coverage.
- Pharmacist administration of immunizations is acceptable and indicates a role for pharmacist to play in increasing vaccination coverage.