Certain Acute Vaccine-Preventable Diseases Can Pose a Risk to Adults in the US1,2



These diseases can be serious and lead to hospitalization and even death³⁻⁵

Epidemiology of Pneumococcal Pneumonia

Incidence of Pneumococcal Pneumonia in 2020 (per 100,000 population)⁶

- Adults aged ≥65 years: 3,058.1
- Adults aged 50-64 years: 1,038.1 Adults aged 18-49 years: 455.2
- Nonbacteremic pneumococcal pneumonia occurred over 16x more frequently than IPD in adults aged >50 years in 2019⁷

Hospitalization⁸

 An estimated 225,000 hospitalizations occur each year

Mortality³

 Case fatality rate is 5% to 7% and may be higher among older adults and those with underlying medical conditions

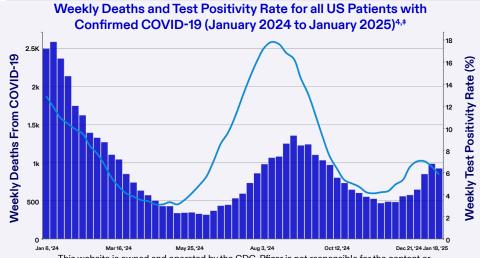
Invasive Pneumococcal Disease (IPD)

- There were approximately 3.000 cases in 20229
- Compared with healthy* adults in the same age range, adults with certain underlying medical conditions have a greater risk of IPD10,†

Pneumococcal disease incidence rates are higher among non-Hispanic Black and non-Hispanic American Indian adults than

 A higher percentage of Black adults have ≥1 risk condition compared with non-Hispanic White adults, making them eligible for pneumococcal vaccination¹¹

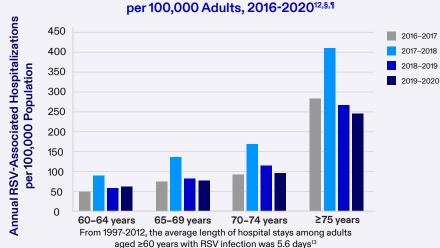
Epidemiology of COVID-19



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Epidemiology of RSV

RSV-NET Estimated Annual Hospitalizations per 100,000 Adults, 2016-202012,§,¶



CAP=community-acquired pneumonia; CDC=US Centers for Disease Control and Prevention; COVID-19=coronavirus disease of 2019; RSV=respiratory syncytial virus.

*Adults without evidence of immunocompromising conditions, chronic medical conditions, or other medical conditions were classified as healthy.10 †Retrospective, claims-based cohort study analyzed data from Optum's de-identified Clinformatics Data Mart Database (CDM) between January 1, 2016, and December 31, 2019. This study period was chosen to exclude the

COVID-19 era and to include the period immediately before PCV20 review/recommendation. Patients were classified into risk profiles based on the presence of certain medical conditions during the baseline period. Limitations include misclassification or incomplete profiles of patients, lack of information of pneumococcal serotypes, rate ratios not being adjusted for individual-level covariates, and exclusion of individuals with public health insurance or no health insurance. Caution should be used when generalizing study results to other populations and settings.¹⁰

*COVID-19 Data Tracker: estimated deaths from January 6, 2024, to January 4, 2025, in patients of all ages. COVID-19 vaccination started at age 6 months. Data as of February 18, 2025.

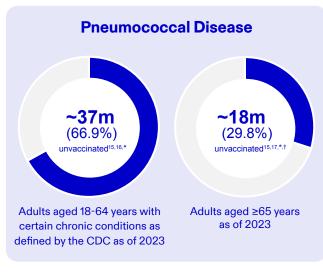
§RSV-NET collects surveillance data on laboratory-confirmed, RSV-associated hospitalizations, including those resulting in death. Data are collected and reported from a network of sites in acute-care hospitals across 161 counties

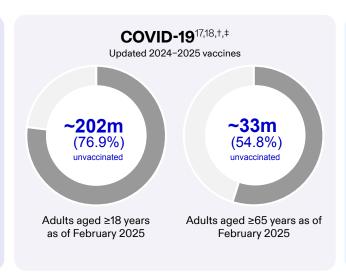
The study was conducted prior to RSV vaccines being available.

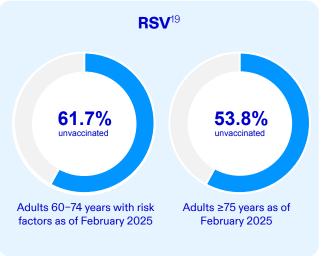
Gaps in Vaccination Leave Patients at Risk



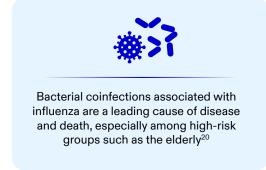
Vaccination rates for select adult immunizations in the US indicate that many eligible adults remain unvaccinated

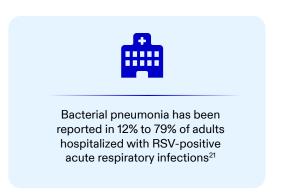


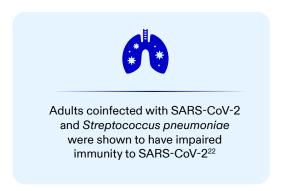




Concurrent infections emphasize the importance of immunizations







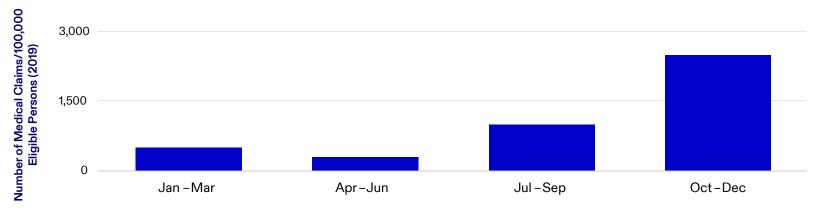
^{*}Cumulative receipt of any pneumococcal pneumonia vaccine based on Behavioral Risk Factor Surveillance System, 2023.¹⁵
*Based on US census data. 2023.¹⁷

^{*}Receipt of 2024-2025 COVID-19 vaccine based on the National Immunization Survey as of February 14, 2025.18

Year-Round Vaccination Efforts Can Help Alleviate Seasonal Pressure to Close Vaccination Gaps



Medical Offices and Institutions Administer Most Adult Vaccines During the Fall/Winter Season^{23,*,†}



^{*}Based on IQVIA Datasets that include US-based office and institutional medical claims covering approximately 191 million patients. Office settings include professionals, ambulatory, and general healthcare sites; institutional settings include hospitals, skilled nursing facilities, and other institutions for outpatient and inpatient procedures and services. The chart above displays adult vaccinations in 2019, including flu, HPV, pneumococcal, shingles, and Tdap.²³

Important steps can help protect eligible adults

When an adult comes in for a vaccine, consider what other respiratory disease vaccines they may be eligible to receive²⁴

- Certain adults may be eligible for more than 1 vaccination in a single visit²⁵
- Vaccination schedules and reminders can help adults stay up-to-date on CDC recommendations and help protect them from vaccine-preventable respiratory diseases^{24,26,27,‡}
- Consult CDC recommendations to see when co-administration may be appropriate for certain respiratory vaccines²⁸





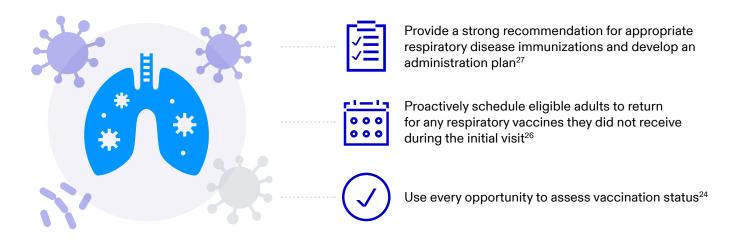


[†]This information is an estimate derived from the use of information under license from the following IQVIA information service: Anonymized Patient Level Data (LRx/Dx) for the period ending July 31, 2023. IQVIA expressly reserves all rights, including rights of copying, distribution, and republication.

Explore Your Existing Protocols to Help Streamline Eligible Vaccine Recommendations



At each patient visit, encourage care teams to:



Ensure your practice has a plan in place to help adults stay up-to-date on all recommended immunizations for which they are eligible.²⁴ Refer to CDC Best Practices for Patient Care for additional guidance

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