GSK EHR Resources

Utilizing Your EHR System

to help improve vaccination rates for appropriate older adult patients at increased risk for severe respiratory syncytial virus (RSV) illness

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01. WHY RSV MATTERS TO YOUR ORGANIZATION

RSV-related Healthcare Resource Utilization (HCRU)

Notable impact on healthcare resource utilization among adults ≥50 years

Adults ≥50 YOA with certain conditions are at increased risk for severe RSV illness, which could lead to hospitalization[1]

Adults with severe RSV illness can develop pneumonia or experience exacerbations of asthma, COPD, or heart failure[1,2]

~$5,392 **per patient increase in healthcare costs** annually compared to matched controls for adults 50-64 YOA with RSV[3]

Risk of severe RSV illness increases with certain chronic conditions, such as[1]

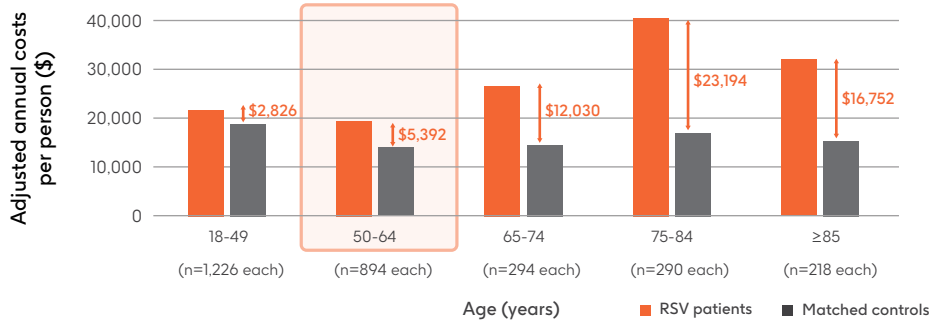
- Cardiovascular disease
- Lung disease
- Advanced CKD
- Diabetes mellitus with end-organ damage
- Severe obesity
- Liver disorders
- Neurologic or neuromuscular conditions
- Hematologic disorders
- Moderate to severe immune compromise

CKD=chronic kidney disease; COPD=chronic obstructive pulmonary disease; HCRU=healthcare resource utilization; RSV=respiratory syncytial virus; YOA=years of age.

RSV is associated with higher incremental healthcare costs compared to adults without RSV[3]

In a retrospective case-control database analysis, there was an **~$5,392 per patient increase in healthcare costs** annually in adults aged 50-64 years with RSV compared to matched controls.

Annual Healthcare Costs for Adults With RSV vs Matched Non-RSV Controls†



†Adjusted annual healthcare costs among patients with RSV and matched controls during the follow-up period. Costs adjusted to 2014 US dollars. Multivariate linear regression models were used to adjust the total healthcare costs; covariates included gender, region, high-risk status, and history of RSV during the baseline period and treatments. Associated costs were computed for each resource category and included inpatient, ED, ambulatory, outpatient, and prescriptions.

Study Design: A retrospective case-control study evaluated data from Truven Health Marketscan Commercial Claims and Encounters, and Medicare Supplemental and Coordination of Benefits databases to identify patients aged ≥1 year with an RSV diagnosis between August 31, 2012, and August 1, 2013. An RSV episode was defined by an RSV ICD-9-CM code (079.6, 466.11, or 480.1) as the principle diagnosis for inpatient admissions, or as the first or secondary diagnosis for outpatient visits, and was considered as first consultation >28 days following any previous consultation with the same diagnosis code. Patients with RSV were matched 1:1 to controls without RSV based on age, sex, region, health plan, and index date (n=11,432 in each group). Stratified analyses for healthcare resource use and costs were conducted by age group. All-cause healthcare resource use: The percentage of patients with ≥1 claim by service category (inpatient visit, ED and urgent care visit, ambulatory visit, outpatient visit, or pharmacy prescription), number of visits per category, total length of stay for inpatient visits, and number of prescriptions was assessed in RSV patients and matched controls over the 12-month follow-up period.

ED=emergency department; ICD-9-CM=International Classification of Diseases, 9th Revision, Clinical Modification.

02. GSK RESOURCES TO HELP IMPROVE VACCINATION RATES FOR APPROPRIATE OLDER ADULT PATIENTS AT INCREASED RISK FOR SEVERE RSV ILLNESS



The EHR guides described below are designed to help you configure your Epic or Oracle Health EHR system to identify, quantify, and engage patients who are potentially at increased risk of severe RSV due to their age and/or chronic condition(s).

HEALTH SYSTEMS USING THE **EPIC EHR SYSTEM**

RSV Population Health Insights and Reporting Guide

Provides EHR-specific instructions to help a healthcare organization configure their Epic Healthy Planet population health program features relevant for RSV. This includes generation of reports regarding patients potentially at increased risk for severe RSV, gaps in vaccination, and system site consistency in following protocol for RSV vaccination for eligible older adult patients.

RSV Population Health Patient Activation Guide

Provides EHR-specific instructions to help a healthcare organization configure Epic Campaign Management across an adult patient population, including cadenced outreach messaging about RSV to appropriate patients, timed with various key intervals, eg, COPD month, throughout the year.

HEALTH SYSTEMS USING THE **ORACLE HEALTH EHR SYSTEM**

Population Health Insights and Reporting Guide

Provides EHR-specific instructions to help a healthcare organization configure their Oracle Health HealtheIntent population health program with features that are relevant to RSV. This includes generation of reports regarding patients potentially at increased risk for severe RSV, gaps in vaccination, and system site consistency in following protocol for RSV vaccination for eligible older adult patients.

Population Health Patient Activation Guide

Provides EHR-specific instructions to help a healthcare organization configure campaign management across an adult patient population, including cadenced outreach messaging about RSV to appropriate patients, timed with various key intervals, eg, COPD month, throughout the year.

03. NEXT STEPS

Scan QR code or enter this URL into your browser to access the guides: **GSKforHealthSystems.com**



TAKE THE NEXT STEPS TO MORE FULLY UTILIZE YOUR EHR SYSTEM

Ask your GSK representative for the GSK guides to help address care gaps in RSV immunization within your patient population.

REFERENCES: 1. Centers for Disease Control and Prevention. Clinical Overview of RSV. Updated August 18, 2025. Accessed April 23, 2026. https://www.cdc.gov/rsv/hcp/clinical-overview/index.html **2.** Centers for Disease Control and Prevention. RSV in Adults. Updated February 20, 2026. Accessed April 23, 2026. https://www.cdc.gov/rsv/adults/index.html **3.** Amand C et al. *BMC Health Serv Res.* 2018;18(1):294.

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