

100

outbreaks¹⁰⁻¹²

14X faster administration
in COVID-19
hospitalized patients⁵

accessing timely antiviral treatment for residents in LTCFs⁵⁷

BMJ. 2022;376:e068993; 37. Srivastava S, et al. *Worja J Meta-Anal.* 2021;9(3):220–233; 38. Chuang M-H, et al. *BMC Med.* 2024;22(1):360; 39. Lu JY, et al. *Sci Rep.* 2024;14(1):31451; 40. Lebbe A, et al. *Biomedicines*. 2024;12(9):2065; 41. Chourasia P, et al. *J Clin Med*. 2023;12(1):1159; 42. Chen I-Y, et al. *Sci Rep*. 2025;15(1):10924; 43. Fang Z, et al. *JAMA*. 2024;332(15):164; 44. Xu E, et al. *Nat Med*. 2022;11(7):2406–2415; 45. Daines L, et al. *Curr Opin Pulm Med*. 2022;28(3):174–179; 46. Geragely FV, et al. *Eur Respir J*. 2024;64(3):2302302; 47. Elmuzner B, et al. *Clin Gastroenterol Hepatol*. 2024;22(S):1098–1107; 48. Ma B H-M, et al. *JAMA Netw Open*. 2023;6(4):e2310887; 49. Klompas M, et al. *Ann Intern Med*. 2024;177(8):1078–1088; 50. Ramos-Rincon J-M, et al. *Gerontology*. 2023;69(6):617–683; 51. International reports on COVID-19 and long term effects; <https://diseasesandconditions.org/international-reports-on-covid-19-and-long-term-effects/>; Accessed September 8, 2025; 52. Galloway K, et al. *Health Econ Outcomes Rev*.

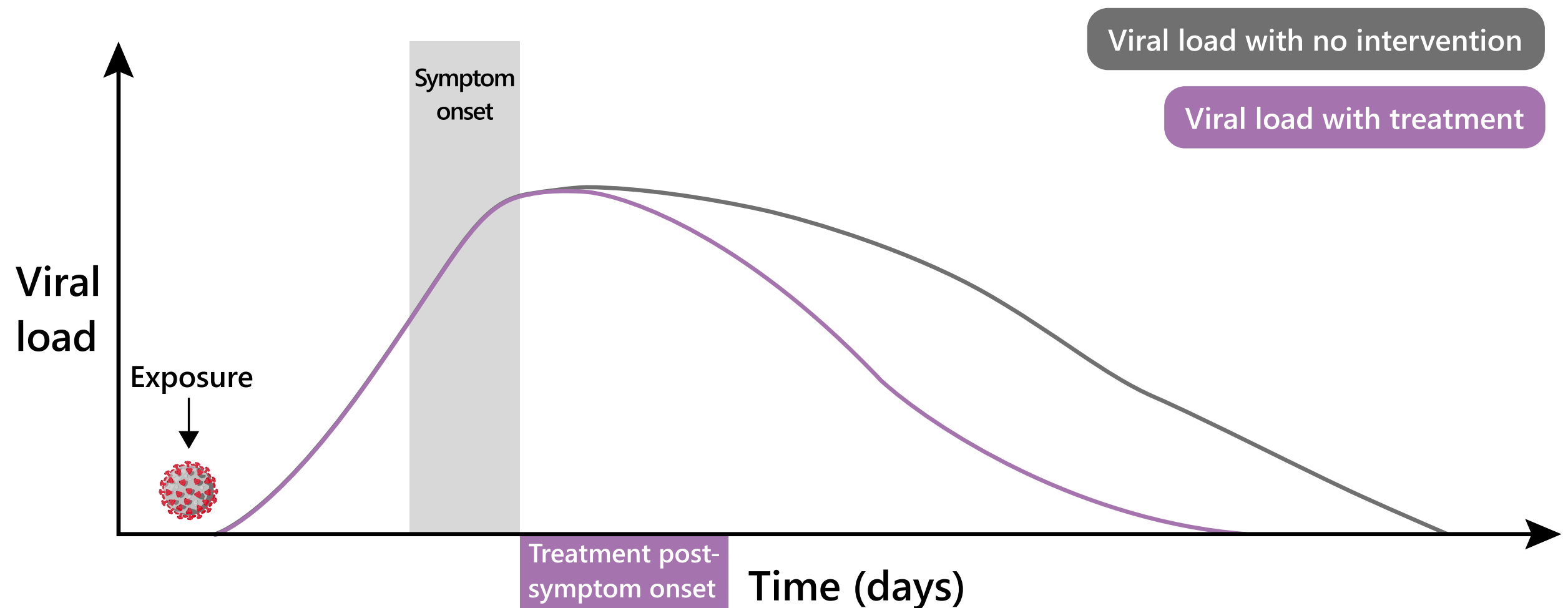
<http://clinical-care/underlying-conditions.html>. Accessed September 8, 2025; 59. Gottlieb RL, et al. *N Engl J Med*. 2022;386(4):305-315; 60. Hsu WH, et al. *Pneumonia(Nathan)*. 2025;17(1):12.

Figure 1



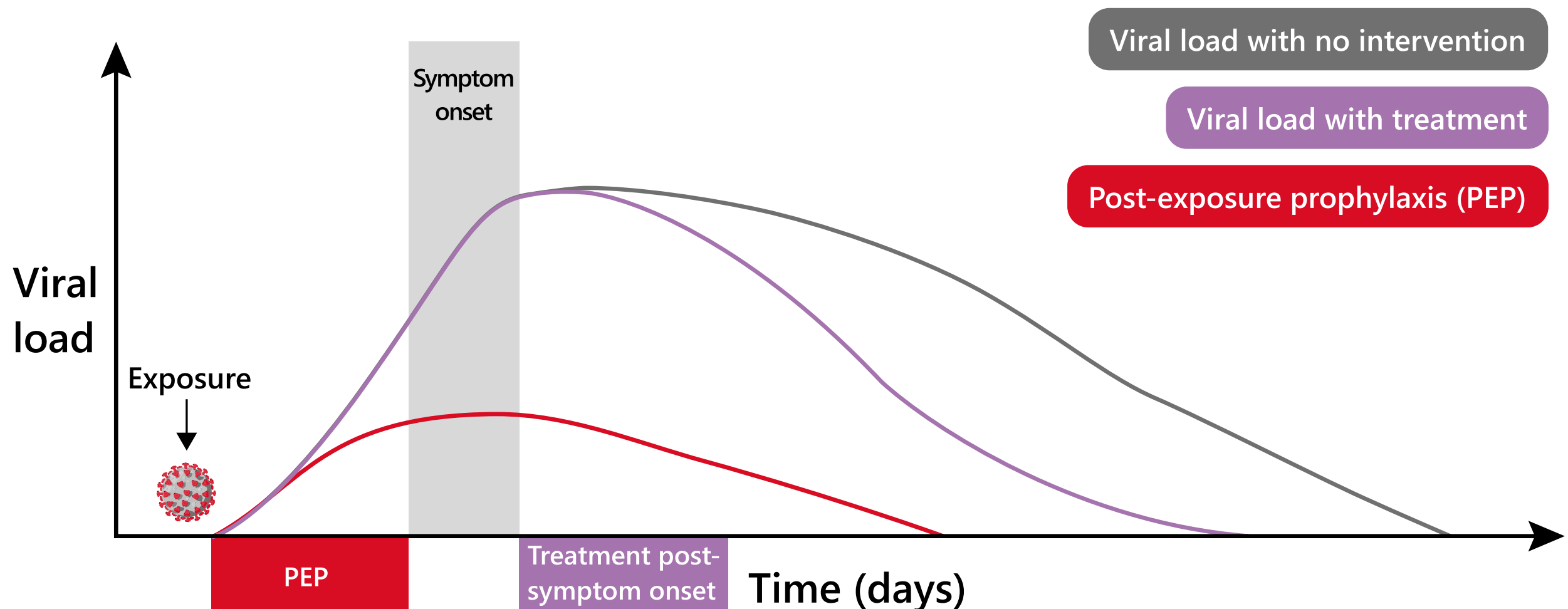
Antiviral intervention is most effective early in the viral replication cycle¹⁴⁻¹⁶

Initiating treatment after symptom onset has a low impact on the viral clearance¹⁴



Antiviral intervention is most effective early in the viral replication cycle^{14–16}

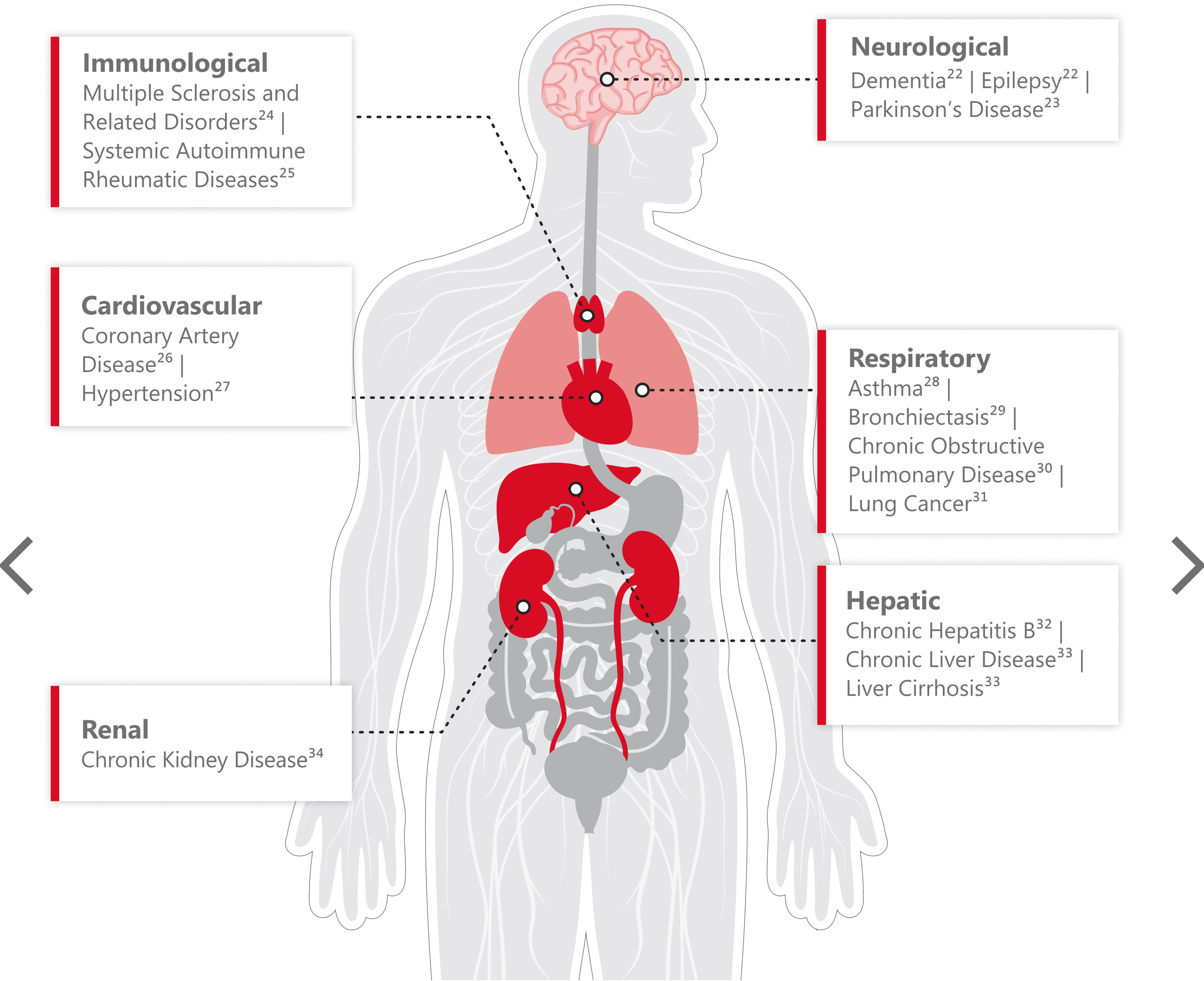
Post-exposure prophylaxis (PEP) administered immediately after exposure may suppress viral load,¹⁷ reduce secondary household transmission, and slow community spread^{18,19}



Early intervention may reduce the clinical complications associated with COVID-19^{4,5,12,13}

| All Systems | Chronic Conditions | New-Onset Diseases | Long COVID |
|-------------|--------------------|--------------------|------------|
|-------------|--------------------|--------------------|------------|

Early antiviral treatment may be beneficial to individuals with underlying comorbid conditions^{1-3,21}

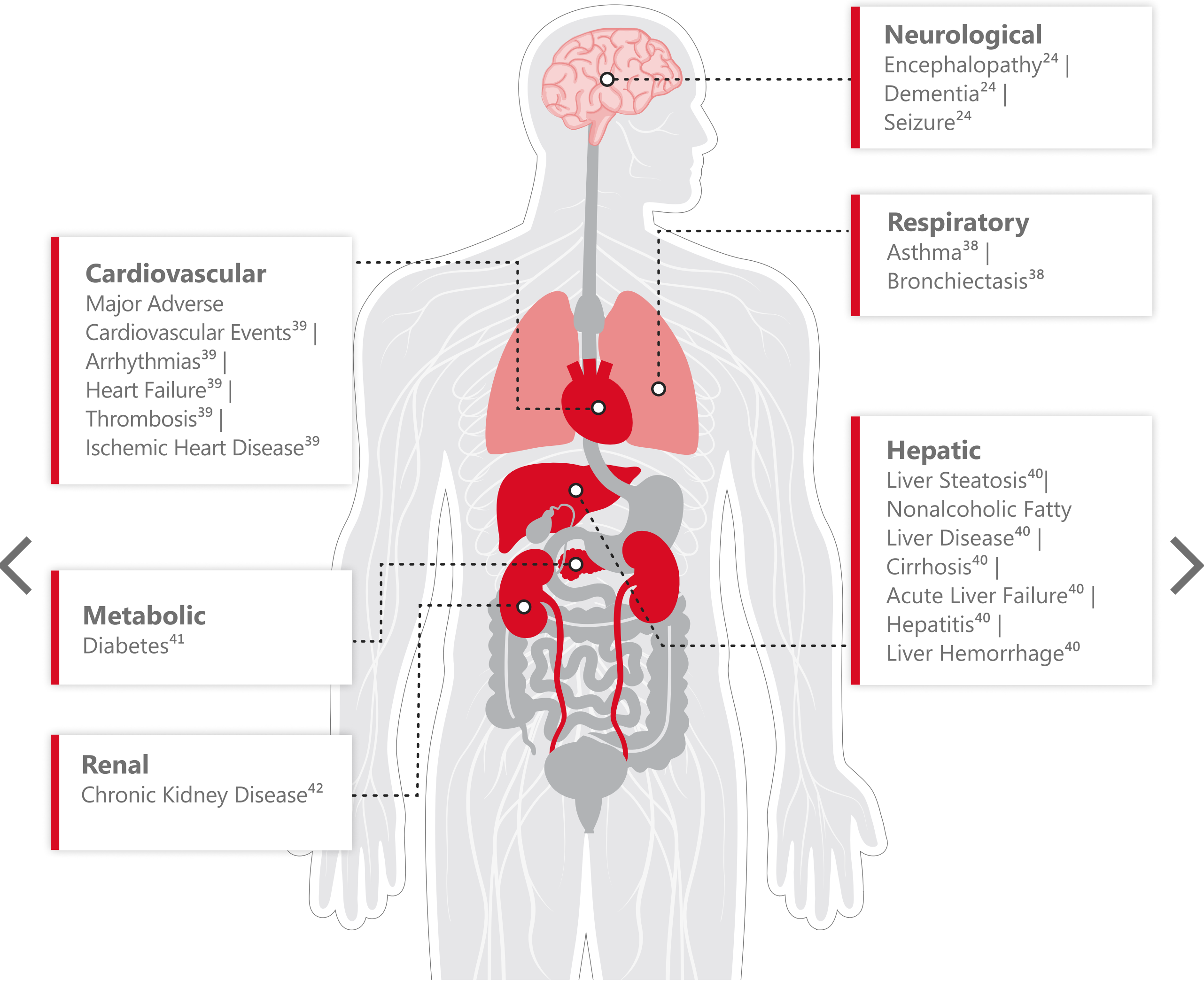


Even patients with mild COVID-19 may experience exacerbation of pre-existing chronic conditions³⁵⁻³⁷

Early intervention may reduce the clinical complications associated with COVID-19^{4,5,12,13}

| All Systems | Chronic Conditions | New-Onset Diseases | Long COVID |
|-------------|--------------------|--------------------|------------|
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Patients with COVID-19 may experience **new-onset, relapsing, or remitting conditions** following their infection

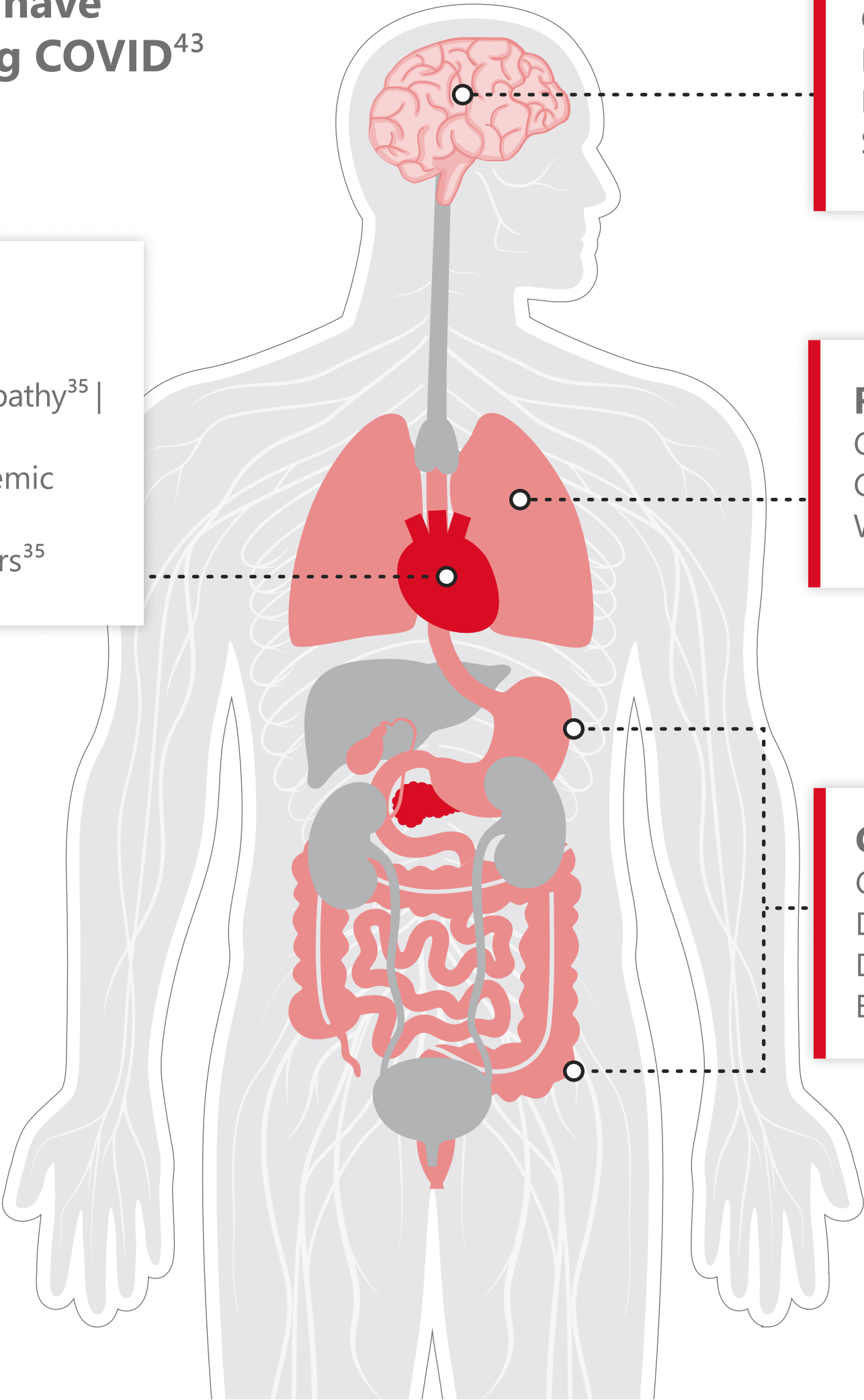


Early antiviral intervention may reduce the risk of **new-onset diagnoses** following acute COVID-19²

Early intervention may reduce the clinical complications associated with COVID-19^{4,5,12,13}

| All Systems | Chronic Conditions | New-Onset Diseases | Long COVID |
|-------------|--------------------|--------------------|------------|
|-------------|--------------------|--------------------|------------|

Approximately
18million
adults in the US have
experienced long COVID⁴³



Neurological
Cognitive Disorders⁴⁴ |
Encephalitis⁴⁴ | Mental
Health Disorders⁴⁴ |
Stroke⁴⁴

Respiratory
Chest pain⁴⁵ |
Cough⁴⁵ | Dyspnea^{45,46} |
Wheezing⁴⁶

Gastrointestinal
Constipation⁴⁷ |
Diarrhea⁴⁶ | Dysphagia⁴⁷ |
Dyspepsia⁴⁷ | Irritable
Bowel Syndrome⁴⁷

Cardiovascular
Dysrhythmias³⁵ |
Ischemic Cardiomyopathy³⁵ |
Inflammatory Heart
Disease³⁵ | Nonischemic
Cardiomyopathy³⁵ |
Thrombotic Disorders³⁵

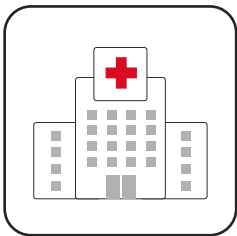
Early antiviral treatment during acute COVID-19 may reduce the **risk of long COVID and related clinical outcomes**^{8,9}

Early intervention may prevent outbreaks and reduce the impact of COVID-19 in closed settings⁴⁸

Healthcare Settings

Non-Healthcare Settings


Flip the cards to learn about the importance of early intervention to control COVID-19 outbreaks in hospitals and long-term care facilities (LTCFs):



Hospitals

Hospital-onset SARS-CoV-2 infection is linked to:

 Increased morbidity⁴⁹

 Increased mortality⁴⁹

>2x Higher risk of in-hospital death with hospital-onset infection⁵⁰



Long-Term Care Facilities

>40% of COVID-19 deaths occurred in LTCFs⁵¹

Early intervention for COVID-19 was associated with a reduction in:

54% Risk of hospitalization⁴⁸

up to **83%** Inpatient disease progression among nursing home residents⁴⁸

Early intervention may prevent outbreaks and reduce the impact of COVID-19 in closed settings⁴⁸

| Healthcare Settings | Non-Healthcare Settings |
|---------------------|-------------------------|
|---------------------|-------------------------|

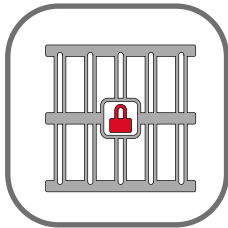
Schools, Universities, and Offices



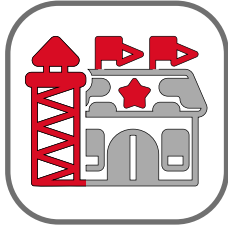
Hotels, Resorts, and Cruise Ships



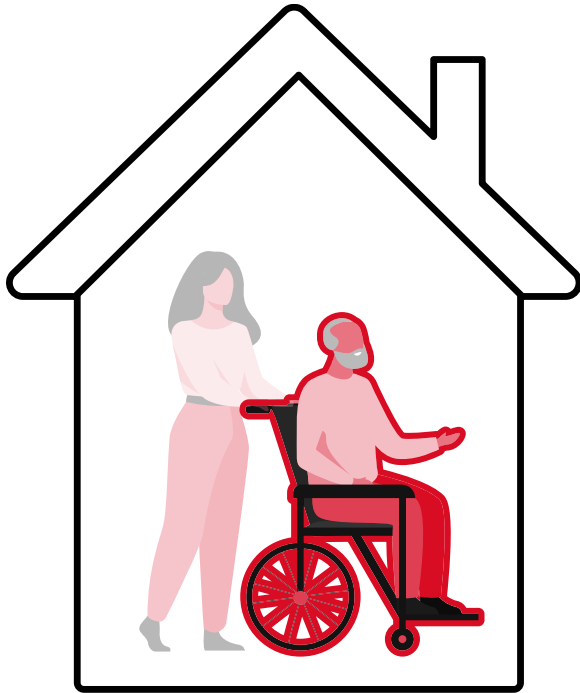
Detention Centers



Military Barracks



Early intervention in respiratory infections may preserve quality of life, improve work productivity, and protect vulnerable populations^{52,53}



Standard Risk



- Adults ≥ 50 years old⁵⁸
- Individuals with ≥ 1 underlying comorbidities⁵⁸
- Not up-to-date on vaccinations⁵⁸

Higher Risk

Early OAV administration of COVID-19 compared to placebo showed:



89% reduced risk of progression to **severe disease**⁶



87% lower risk of **hospitalization** or **mortality**⁵⁹



22% reduction in risk of **ED visits**⁶⁰