

The Broader Economic Benefits of COVID-19 Vaccination in Australia

Authors: Hania El Banhawi, Sian Hodgson, Margherita Neri, Lotte Steuten

COVID-19 continues to impose a significant **burden on healthcare systems and the national economy**, particularly when other infectious diseases like **influenza and RSV** co-circulate. Access to vaccinations remains essential to sustain population immunity, curb variant emergence, and mitigate its burden on the economy.

Methods

We used a cost-of-illness analysis (COI) to quantify the economic burden of COVID-19 and assess the broader economic benefits of immunisation using three main scenarios:



No further annual autumn vaccinations



Annual autumn vaccination of population aged 65+ years (in line with the age-based criteria in ATAGI's 2024 recommendation)



Annual autumn vaccination of the general population aged 50+ and 18+

Key takeaways

Despite current COVID-19 vaccination efforts, a substantial economic burden persists.

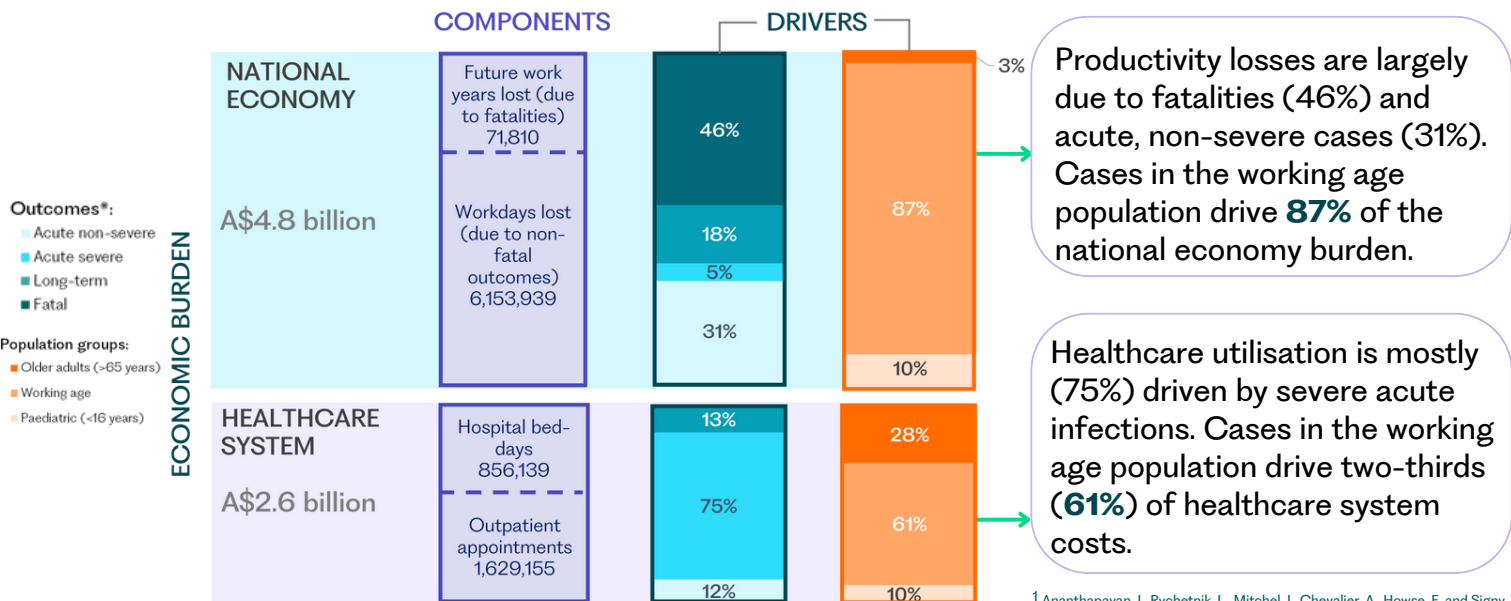
- The **total burden** of COVID-19 without annual autumn vaccination is approximately **A\$7.4 billion per year**.
- The annual cost to the national economy (A\$4.8 billion) is almost double the cost to the healthcare system (A\$2.6 billion).
- Cases in the working age population generate a majority of the economic burden on both the national economy and the healthcare system.

Annual autumn COVID-19 vaccination of the population aged 65+ would save approximately A\$1.1 billion per year, or **15%** of the total economic burden of A\$7.4 billion.

- Of the A\$1.1 billion, the national economy benefits A\$69 million yearly (12% of its burden), while the healthcare system saves A\$515 million (20% of its COVID-19 burden).

Economic burden of COVID-19 in Australia with no further annual autumn vaccination

Without annual autumn routine vaccination, COVID-19 could cost Australia approximately **A\$7.4 billion** annually (0.28% of GDP), more than double Australia's spending on preventive health (0.13% of GDP).¹



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Economic benefits of maintaining COVID-19 vaccination in Australia

COVID-19 vaccination programmes help safeguard national productivity, reduce strain on healthcare systems, and protect vulnerable populations.

Annual autumn COVID-19 vaccination targeting individuals aged 65+, in line with the age-based criteria in ATAGI's 2024 recommendation, would generate

A\$ 1.1 billion

in annual economic benefits, reducing 15% of the total COVID-19 economic burden.

Annual autumn COVID-19 vaccination of the population aged **50+** and **18+** would increase the total economic benefit to

A\$2.0 billion and A\$4.5 billion per year

respectively, which equals 28% and 61% of the total COVID-19 economic burden.

Averted **productivity losses** are the major driver of the economic benefits across all vaccination scenarios...



We call on policymakers to:



Provide **continued investment in endemic COVID-19 vaccination programmes** and pandemic preparedness to safeguard economic resilience and public health.



Adopt a decision-making and funding approach to routine immunisation that **recognises the broader economic benefits**.

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