Submission to Australia's Covid-19 Inquiry,
16th May 2024

Review of Australian Excess Deaths Causality using Vital Statistics

I am submitting this data in my personal capacity as a concerned Australian Citizen who has been monitoring the Australian ABS data over the pandemic years.

This report summarizes data and provides a visual presentation of the vital statistics data on all-cause mortality that has been published by the Australian Bureau of Statistics covering the pandemic period and up to January 2024 to highlight concerns of a probable link between observed all-cause mortality and Covid-19 vaccination delivery to the Australian population.

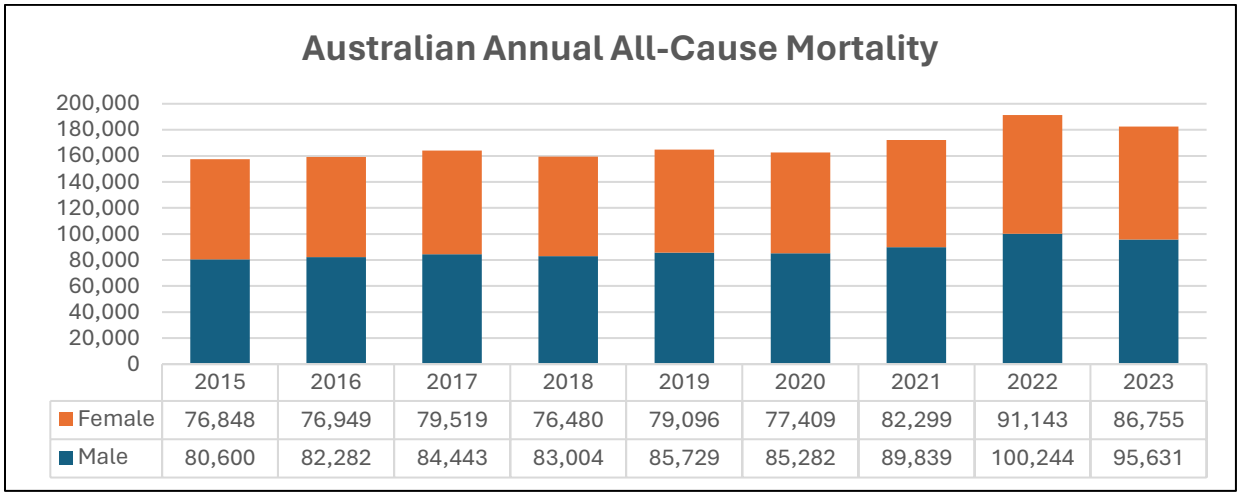
Calculation of Baseline Mortality

Recognizing the limitations of using a monthly baseline of averaged 2015-2019 mortality data which, failing to adjust for increasing deaths due to growing and aging population, results in an overestimation of excess deaths. Instead, for this paper, I have taken the approach of using the monthly registered deaths from 2015 to 2019 to ***forecast*** the expected deaths for 2021 to 2024, using the Microsoft Excel Forecast function. This is a simple approach that gives a forecast baseline which has been adjusted based on the 5-year death trending and which should be closer to actual expectations than the 5-year averaged baseline from 2015-2019 used by other sources.

Raw ABS data for the registered deaths was downloaded directly from the ABS Website using the ***Provisional Mortality Statistics*** released on 30th April 2024. The excel forecast for expected deaths from 2020 to 2024 is provided as Appendix 1 to this document.

Overall Patterns of Mortality from 2018 to 2023

Total Registered Deaths by Year from 2015 to 2023 are presented and plotted, also showing male-female breakdown. Deaths shown an undulating upwards trend. Highest deaths are apparent in 2022, although 2023 is also still well above prior levels.

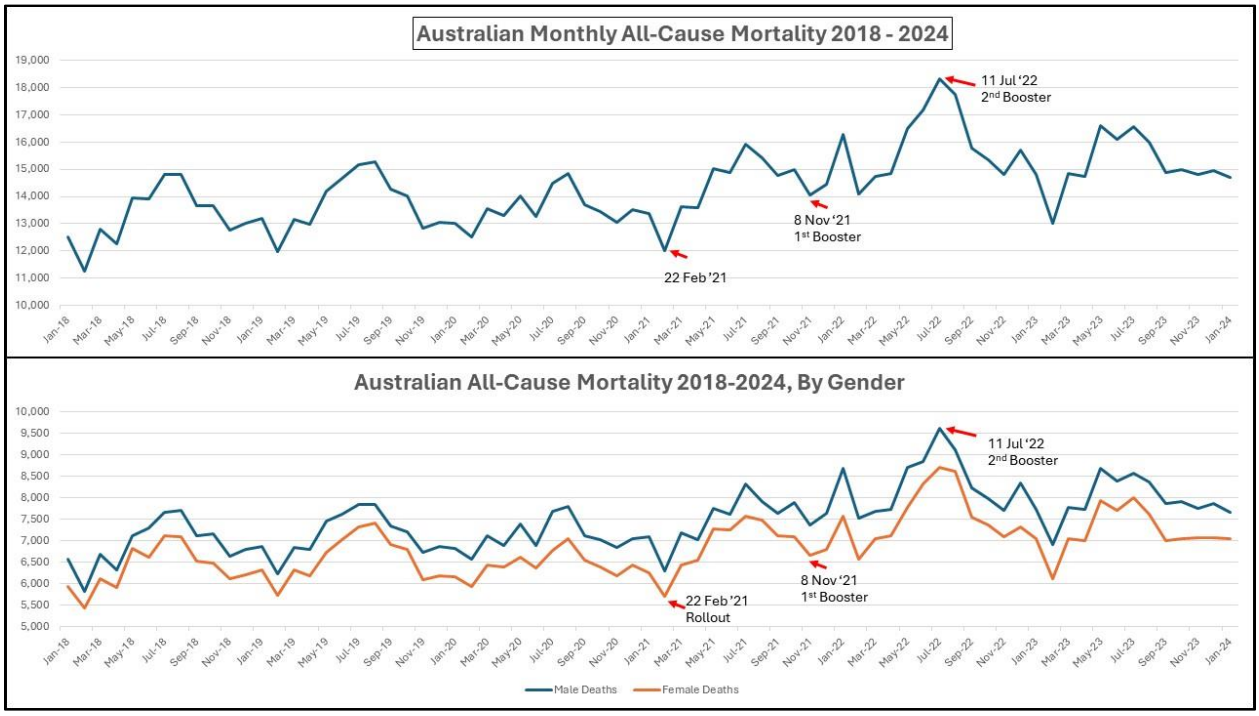


	2015	2016	2017	2018	2019	2020	2021	2022	2023
Female	76,848	76,949	79,519	76,480	79,096	77,409	82,299	91,143	86,755
Male	80,600	82,282	84,443	83,004	85,729	85,282	89,839	100,244	95,631

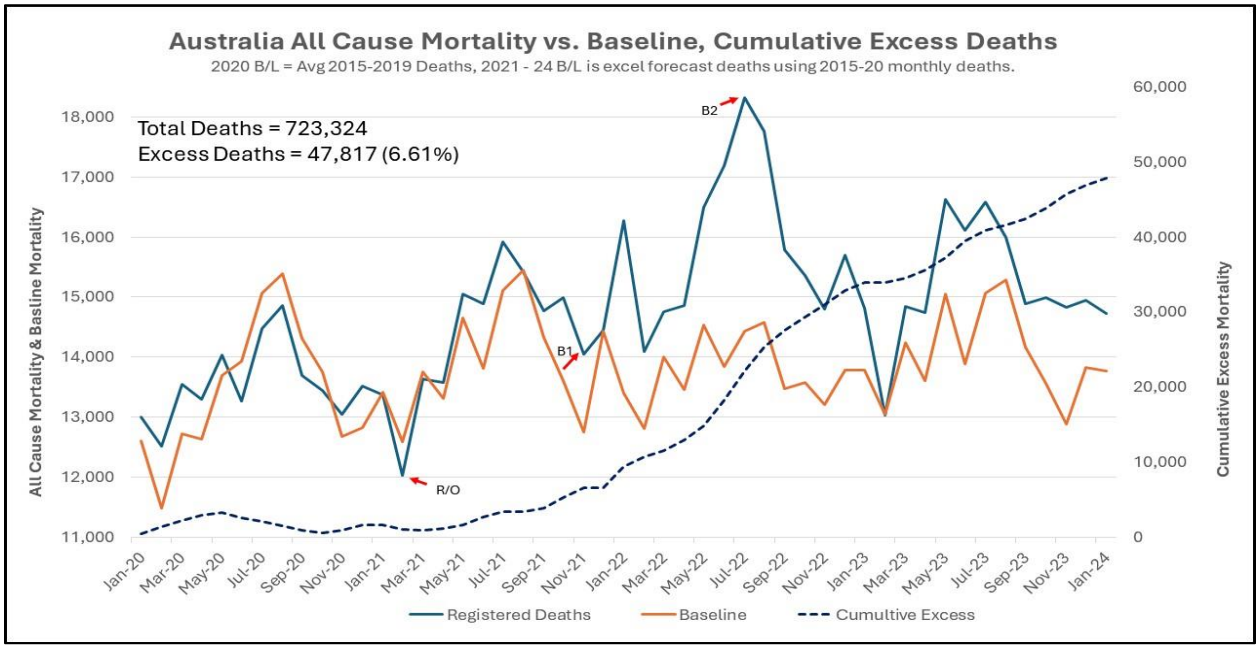
All-cause mortality data is plotted including 2018 to 2019, to give a visual baseline for years prior to the pandemic, and then up to January 2024 through the pandemic to the current latest available data. The same data broken down by gender. The start date of Covid-19 vaccination is indicated with a red arrow, as are the starts of subsequent booster dosing.

Submission to Australia's Covid-19 Inquiry,
16th May 2024

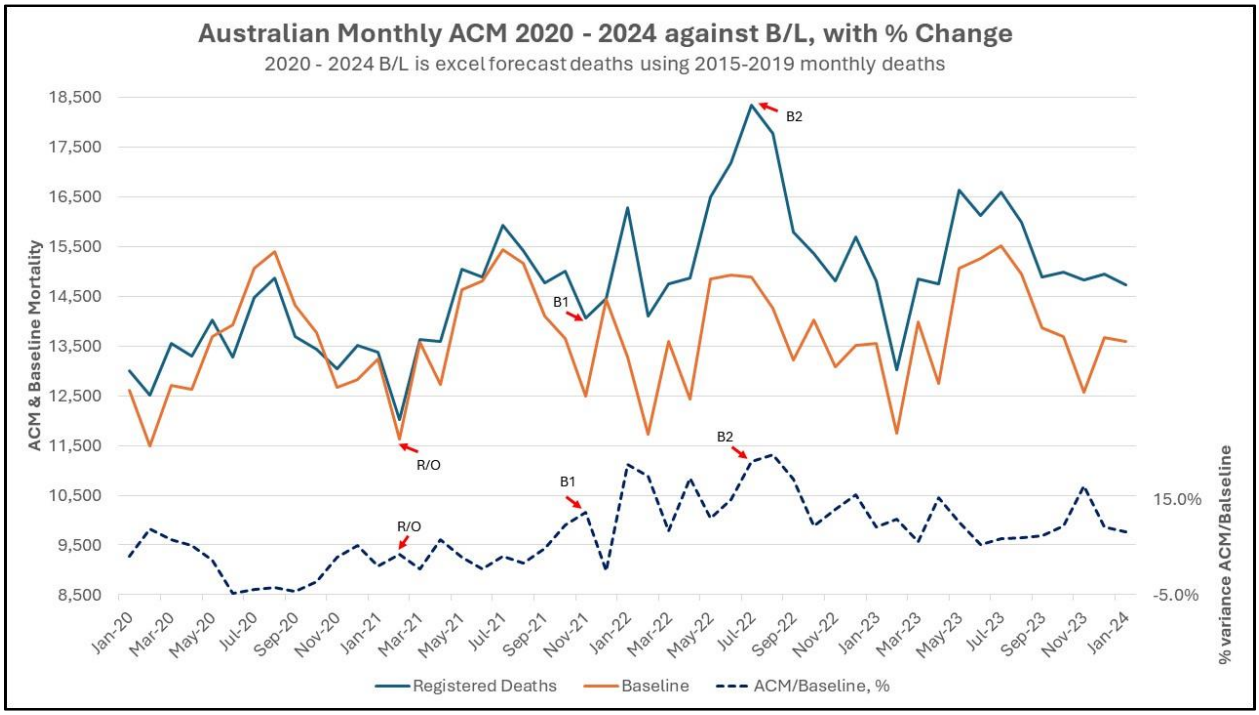
Covid-19 vaccine rollout started in Australia on 22nd of February 2021. 1st booster dose was offered to immunocompromised persons starting 8th October 2021 and to all adults on 8th of November 2021. The 2nd booster dose was recommended for persons aged older than 50, and optional for person aged older than 30 starting on 11 July 2022. The February and November 2021, and the July 2022 dose milestones are marked on the provided figures.



While there were effectively very few excess deaths in 2020 vs. baseline and even up to the end of 1st quarter 2021, excess deaths accumulated continuously with no relief or downward trend, following the introduction of the Covid-19 Vaccines, resulting in 47,817 excess deaths.



The following figure plots actual and forecast mortality, as well as the monthly variance of the actual deaths from the forecast deaths. With every new dose roll out, actual deaths rose further from forecast deaths. Deaths exactly mirror vaccine rollouts; no other events in Australia can explain these death patterns.



There appears to be a death inflection following the start of Covid-19 vaccine rollouts in February 2021 followed by a peak of deaths by July 2021, within 6 months. If this were vaccine-related, the slow rise may be related to the relatively slow initial rise in vaccine uptake and perhaps a slow accumulation of life-ending adverse reactions.

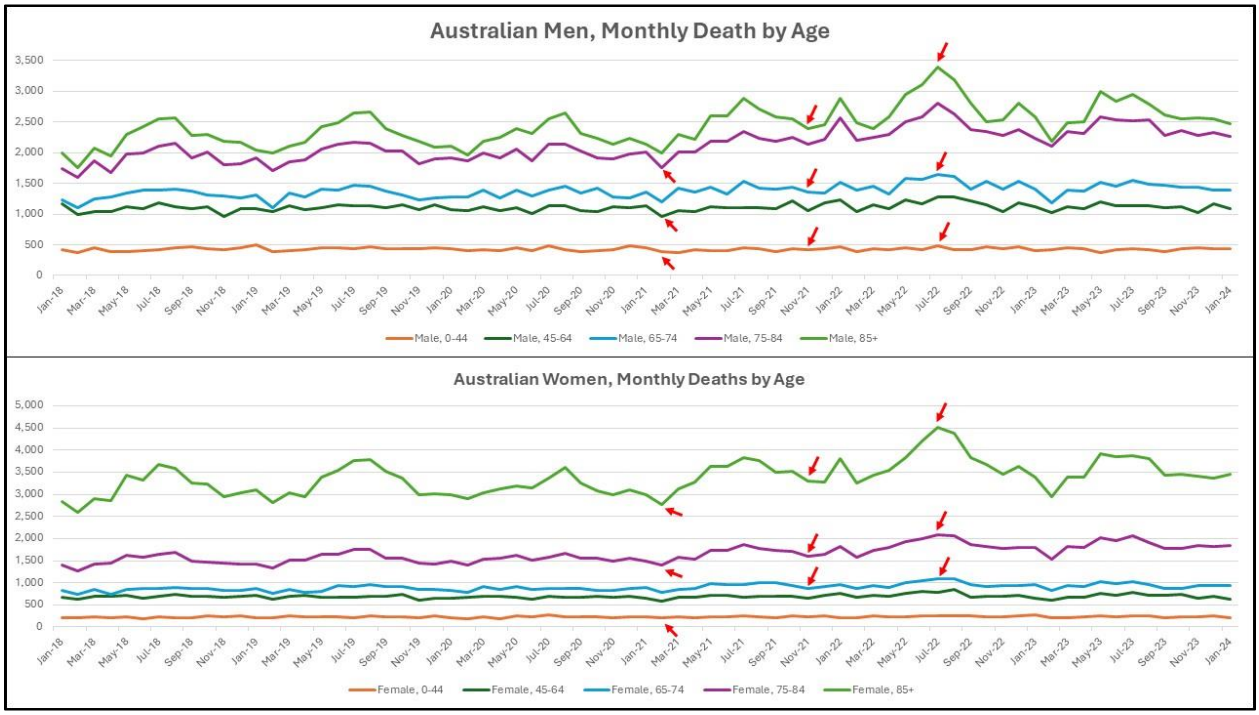
There is another clear inflection in deaths following the first booster rollout in November 2021, with deaths then reaching a new high peak in January 2022, only 2 months later. The peaking of deaths in January is highly unusual, as January is typically a lower death month.

Then there is an immediate peak in deaths concurrent with the start of the 2nd booster dosing in July of 2022. These observations together raise very serious concerns that the excess deaths may be causally linked with vaccine rollout. The reproducibility of this effect, across 3 separate dose delivery milestones (primary series, 1st booster, 2nd booster), as well as the observation that each additional dose was apparently correlated with a subsequent higher than all prior data peak of excess deaths, consolidates this concern. This meets the criteria of reproducibility and also represents a possible dose-dependent effect of increasing toxicity with increasing exposure, and with higher peak population deaths following each additional dose.

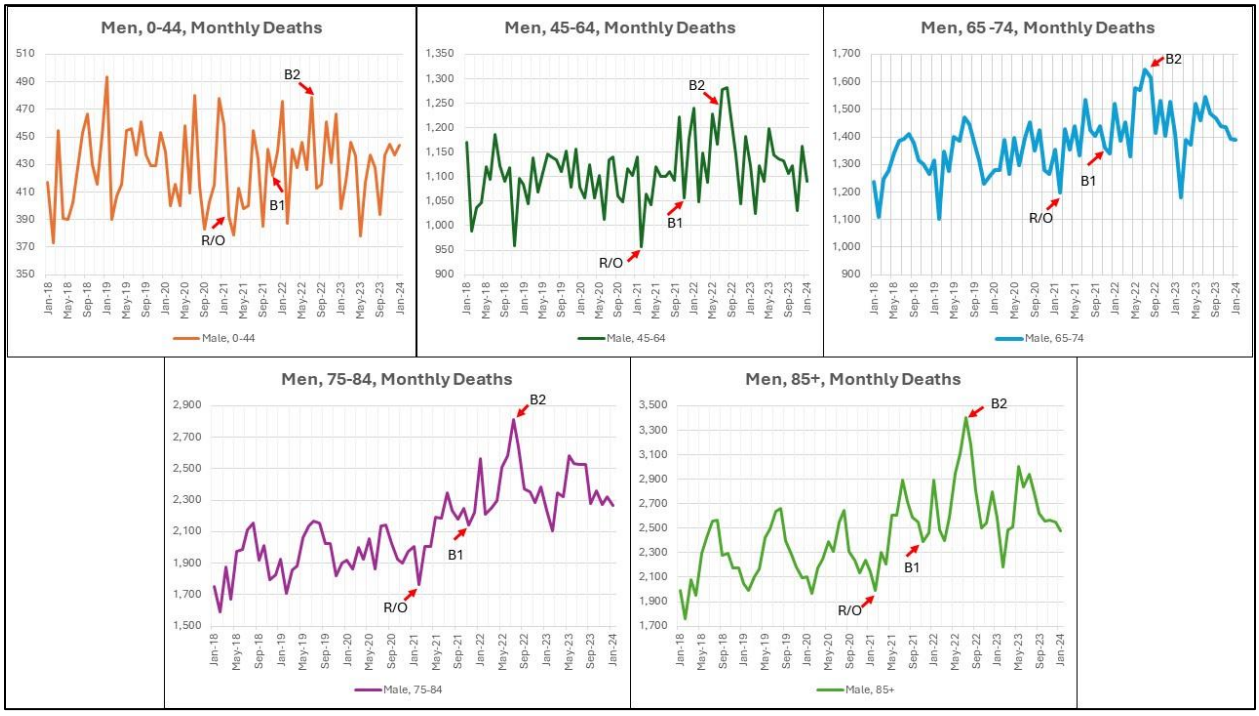
Mortality Patterns by Age-Group

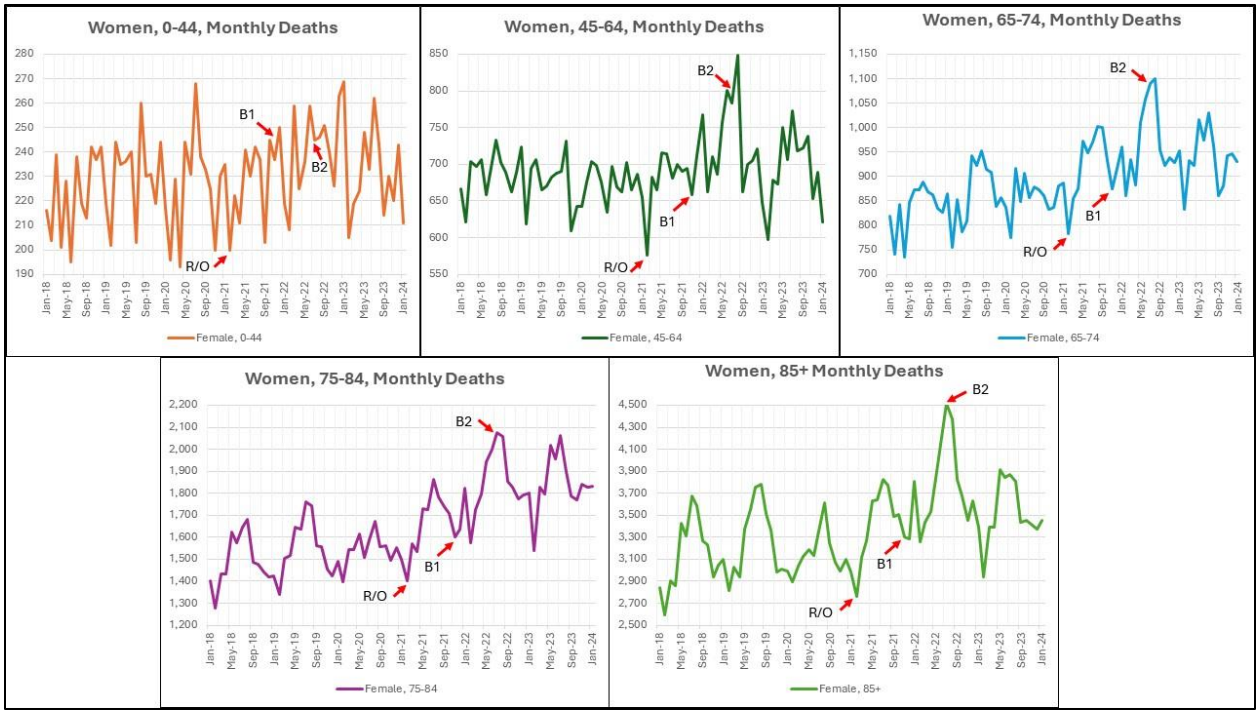
Examination of January 2020 to January 2024 data, against calculated baseline, shows that excess deaths and with breakdown by age illuminates a close correlation between each

additional dose of covid-19 vaccine delivered and new rises in excess deaths, particularly in persons aged 50 and above. The consistency and reproducibility of these death data across all age-groups is alarming!



The data is even more stark when plotted by age-group. The devastation wreaked, particularly on older Australians, whom all the measures imposed, including Covid-19 vaccination, were meant to protect, is abundantly clear. Deaths rise with each new dose!





There is reproducibility of effects with a new inflection in deaths observed with each dose. There is also a dose dependent effect, with worse death outcomes following each new dose.

These data together comprise a dose and rechallenge effect, which in pharmacology may be taken as clear evidence of causality between the drug given and the effect observed.

Earlier than expected deaths reflect a major decline in population health and increased severe morbidities, as people often become unwell before they die. Is this evidence of a covid-19 vaccine induced massacre of the Australian population?

The data speaks for itself!

Excess Mortality
Submission 48

Submission to Australia's Covid-19 Inquiry,
date 16th May 2024

Appendix 1

Excel Forecast Output for Expected Deaths from 2020 to 2024

January 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	12,237			
2016	12,401			
2017	12,690			
2018	12,517			
2019	13,192			
2020	12,997	12,997	12,997	12,997
2021		13,418	13,179	13,656
2022		13,392	13,154	13,631
2023		13,788	13,542	14,034
2024		13,763	13,517	14,009
2025		14,159	13,905	14,413
2026		14,133	13,880	14,387

February 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	11,172			
2016	11,477			
2017	11,528			
2018	11,262			
2019	11,972			
2020	12,513	12,513	12,513	12,513
2021		12,581	12,047	13,115
2022		12,816	12,282	13,350
2023		13,051	12,517	13,584
2024		13,285	12,752	13,819
2025		13,520	12,986	14,054
2026		13,755	13,221	14,289

March 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	12,439			
2016	12,397			
2017	12,755			
2018	12,815			
2019	13,176			
2020	13,547	13,547	13,547	13,547
2021		13,753	13,454	14,052
2022		13,996	13,621	14,370
2023		14,238	13,802	14,675
2024		14,481	13,990	14,973
2025		14,724	14,183	15,265
2026		14,967	14,380	15,553

April 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	12,602			
2016	12,443			
2017	12,831			
2018	12,264			
2019	12,993			
2020	13,300	13,300	13,300	13,300
2021		13,308	12,666	13,950
2022		13,458	12,796	14,120
2023		13,608	12,927	14,290
2024		13,759	13,058	14,459
2025		13,909	13,190	14,628
2026		14,059	13,321	14,797

May 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	13,488			
2016	13,198			
2017	13,662			
2018	13,952			
2019	14,185			
2020	14,026	14,026	14,026	14,026
2021		14,651	14,346	14,956
2022		14,527	14,222	14,832
2023		15,051	14,743	15,358
2024		14,927	14,620	15,235
2025		15,451	15,141	15,761
2026		15,328	15,018	15,638

June 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	13,415			
2016	13,680			
2017	13,945			
2018	13,912			
2019	14,659			
2020	13,270	13,270	13,270	13,270
2021		13,809	12,794	14,825
2022		13,847	12,823	14,871
2023		13,885	12,853	14,917
2024		13,922	12,882	14,962
2025		13,960	12,911	15,008
2026		13,997	12,940	15,054

July 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	14,754			
2016	14,727			
2017	15,849			
2018	14,799			
2019	15,183			
2020	14,481	14,481	14,481	14,481
2021		15,113	14,339	15,887
2022		14,428	13,334	15,522
2023		15,060	13,719	16,400
2024		14,374	12,826	15,923
2025		15,007	13,275	16,739
2026		14,321	12,423	16,219

August 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	15,260			
2016	15,114			
2017	16,479			
2018	14,817			
2019	15,286			
2020	14,859	14,859	14,859	14,859
2021		15,448	14,360	16,536
2022		14,579	13,362	15,796
2023		15,292	13,957	16,627
2024		14,424	12,980	15,867
2025		15,136	13,592	16,681
2026		14,268	12,628	15,907

September 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence B
2015	14,114			
2016	14,064			
2017	15,432			
2018	13,666			
2019	14,269			
2020	13,691	13,691	13,691	
2021		14,327	13,190	
2022		13,467	12,044	
2023		14,158	12,497	
2024		13,298	11,428	
2025		13,988	11,931	
2026		13,128	10,898	

October 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	13,300			
2016	13,991			
2017	13,817			
2018	13,670			
2019	14,010			
2020	13,435	13,435	13,435	13,435
2021		13,604	12,880	14,327
2022		13,582	12,774	14,391
2023		13,561	12,675	14,448
2024		13,540	12,582	14,498
2025		13,519	12,494	14,544
2026		13,497	12,409	14,586

November 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	12,197			
2016	13,000			
2017	12,555			
2018	12,771			
2019	12,846			
2020	13,038	13,038	13,038	13,038
2021		12,745	12,354	13,136
2022		13,206	12,815	13,597
2023		12,882	12,479	13,286
2024		13,343	12,940	13,747
2025		13,020	12,604	13,435
2026		13,481	13,065	13,897

December 2015-2019 with Forecast for 2020 to 2026

Timeline	Values	Forecast	Lower Confidence Bound	Upper Confidence Bound
2015	12,468			
2016	12,738			
2017	12,813			
2018	13,031			
2019	13,046			
2020	13,509	13,509	13,509	13,509
2021		13,485	13,366	13,605
2022		13,779	13,658	13,899
2023		13,829	13,707	13,950
2024		14,122	13,999	14,245
2025		14,172	14,048	14,296
2026		14,465	14,341	14,590