

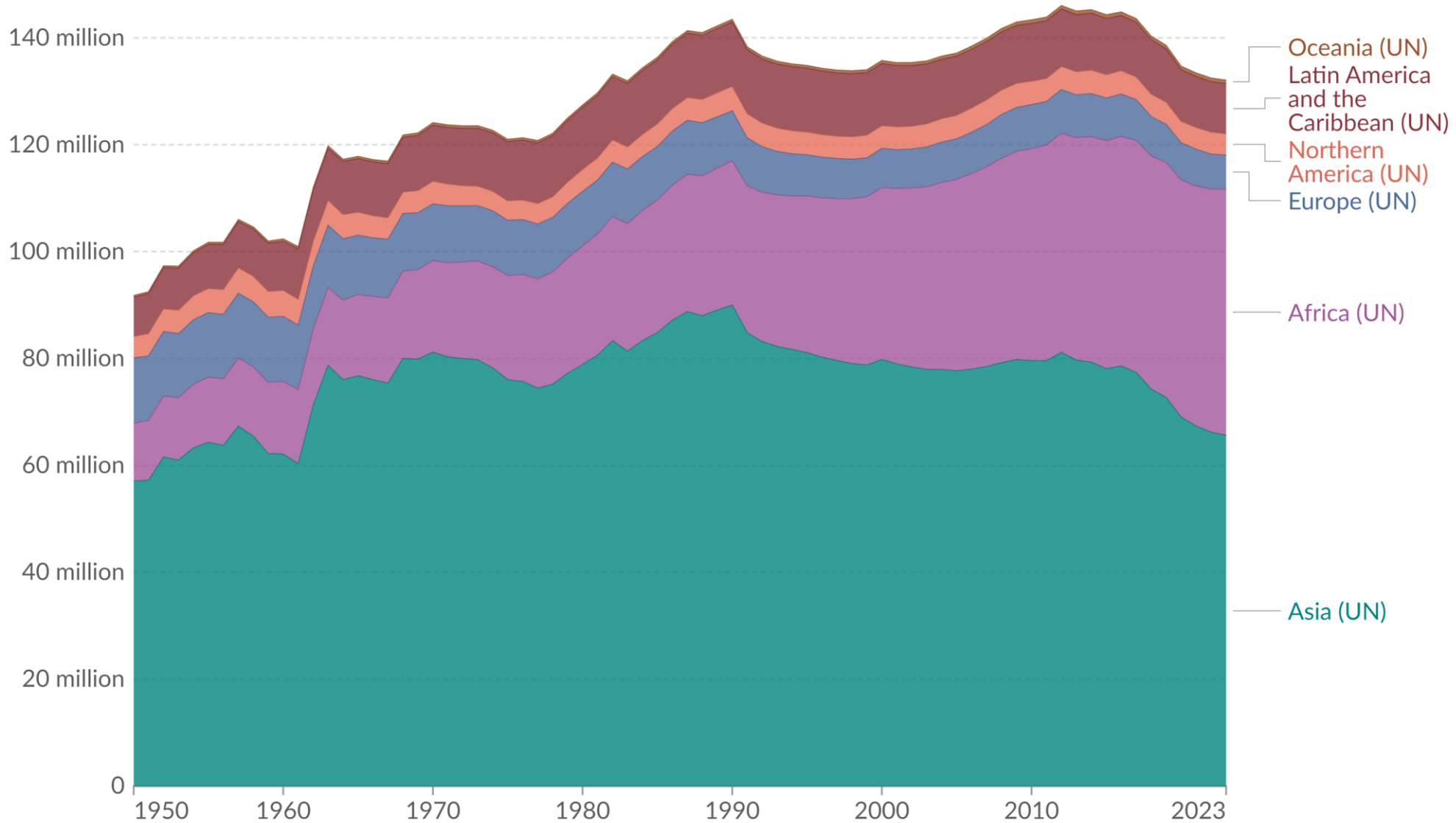
8 Country Summary – Population Outcomes Over Pandemic Years

Population Change Over Pandemic Years

Country	2020 Deaths < 2019 Deaths	Deaths % Change between 2019 and 2023	Births % Change between 2019 and 2023	% Population Taking 1 dose of Covid-19 Jab	2023 Natural Population Increase
Australia	-1.3%	+10.2%	-6.25%	78.4%	103,200
Japan	-0.6%	+14.1%	-15.9%	80%	-828,748
Philippines	-1.0%	+12%	-13.5%	72%	753,701
Global	+8.9	+6.7%	-4.7%	72.3%	70.46 Million
Country-12.7%	2020 Deaths < 2019 Deaths	Deaths % Change between 2019 and 2024	Births % Change between 2019 and 2024	% Population Taking 1 dose of Covid-19 Jab	2024 Natural Population Increase
Hong Kong	+3.5%	+7.0%	-30.8%	93.8%	-15,599
Malaysia	-4.2%	11.5%	-15.7%	86.2%	218,480
Macau	-2.3%	+8.5%	-39.7%	99.9%	1,130
Singapore	+2.8%	+23.3%	-14.2%	92%	7,257
Taiwan	-1.8%	14.3%	-24.1%	93.5%	-67,251

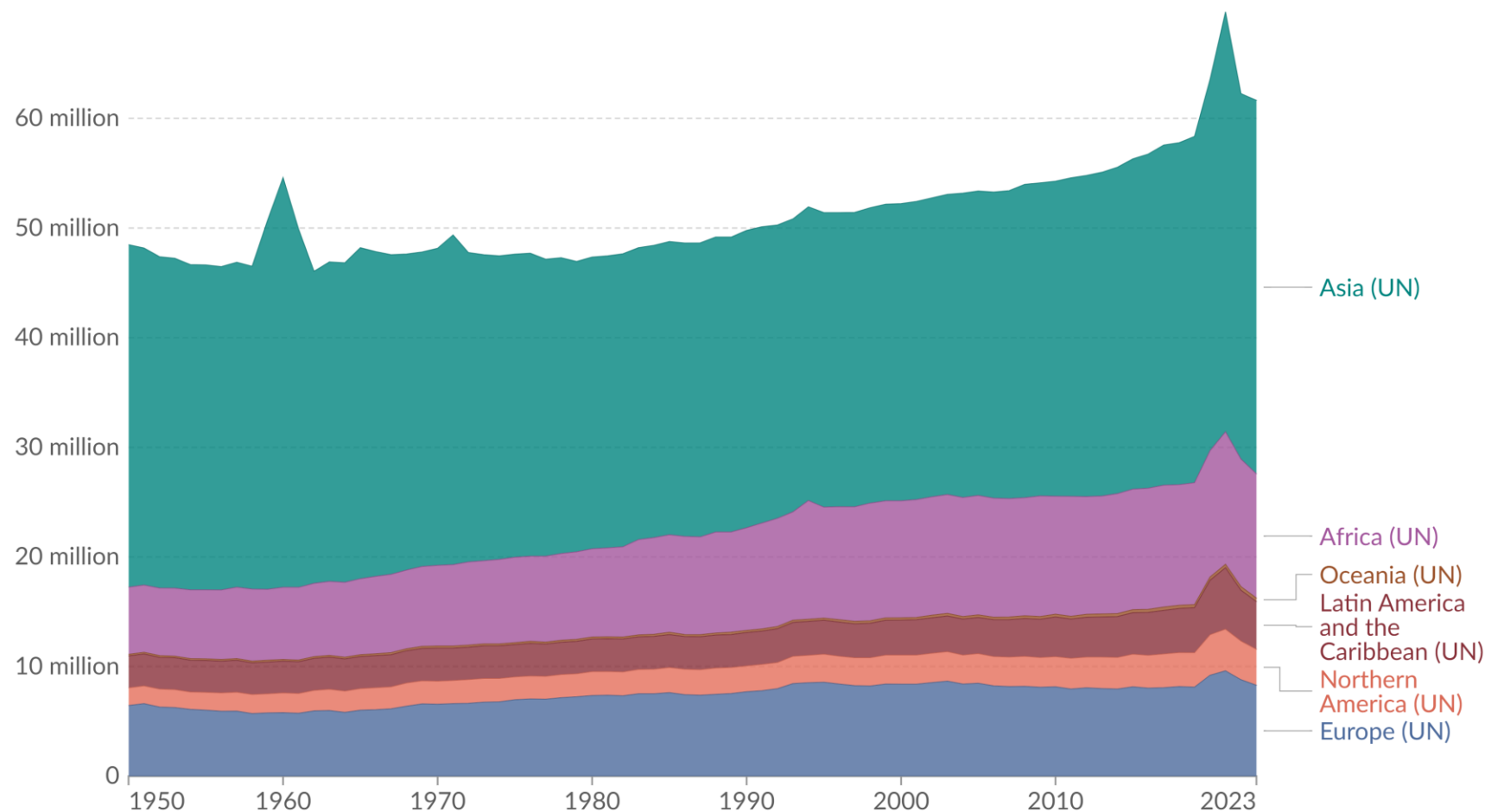
Births per year, by world region

Number of births recorded annually, based on the civil calendar year, spanning from January 1 to December 31.



Number of deaths, by world region

The estimated number of deaths each year. Estimates may be uncertain for countries with poor vital registration systems¹.



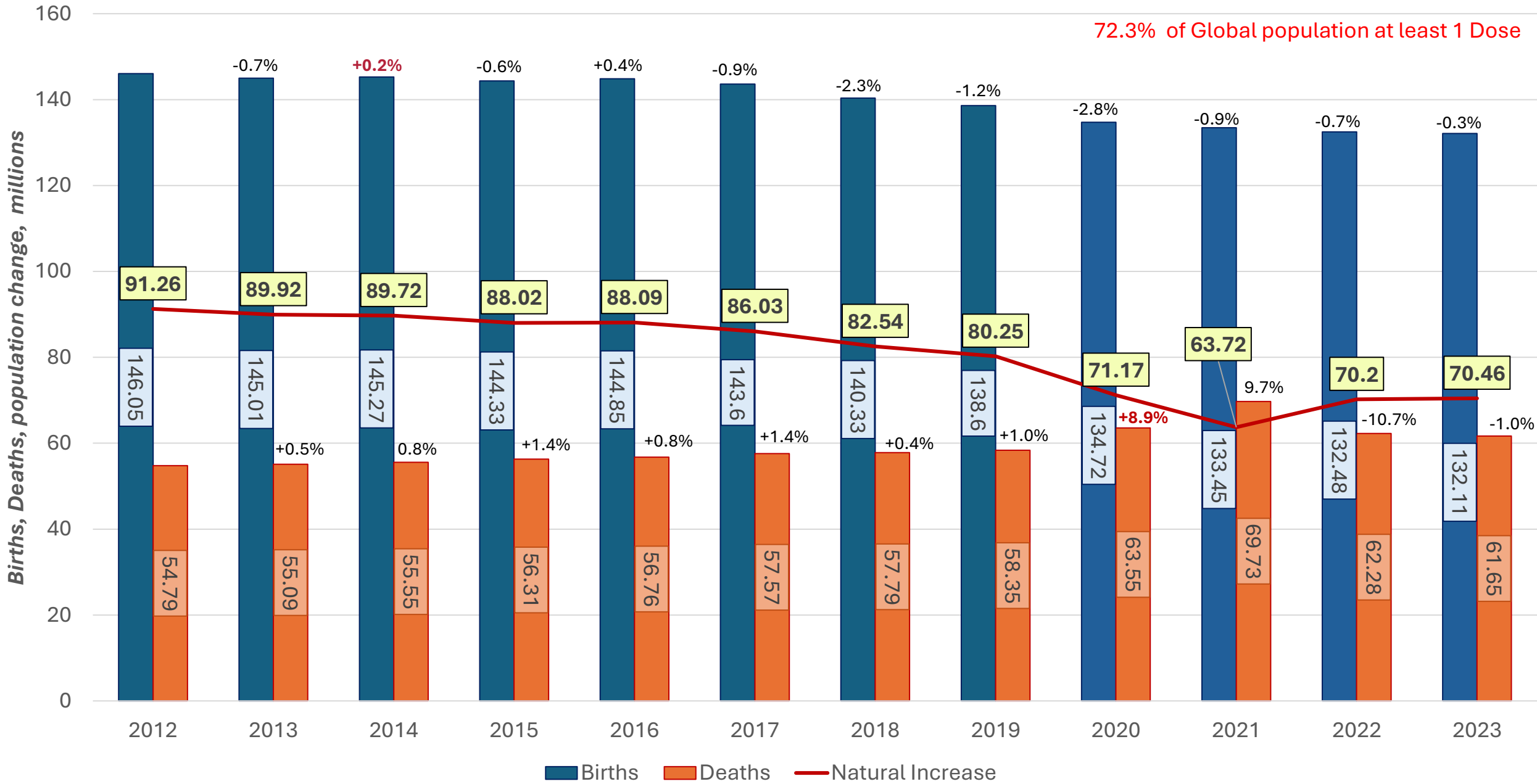
Data source: UN, World Population Prospects (2024)

OurWorldInData.org/population-growth | CC BY

1. Civil Registration and Vital Statistics system: A Civil Registration and Vital Statistics system (CRVS) is an administrative system in a country that manages information on births, marriages, deaths and divorces. It generates and stores 'vital records' and legal documents such as birth certificates and death certificates. [You can read more about how deaths are registered around the world in our article: How are causes of death registered around the world?](#)

Global Annual Births and Deaths, Natural Increase (Millions), Year on Year % Change

Source: Our World in Data



Australia Weekly Deaths, Jan 2019-Sept 2024 (Weeks 1 – 39)

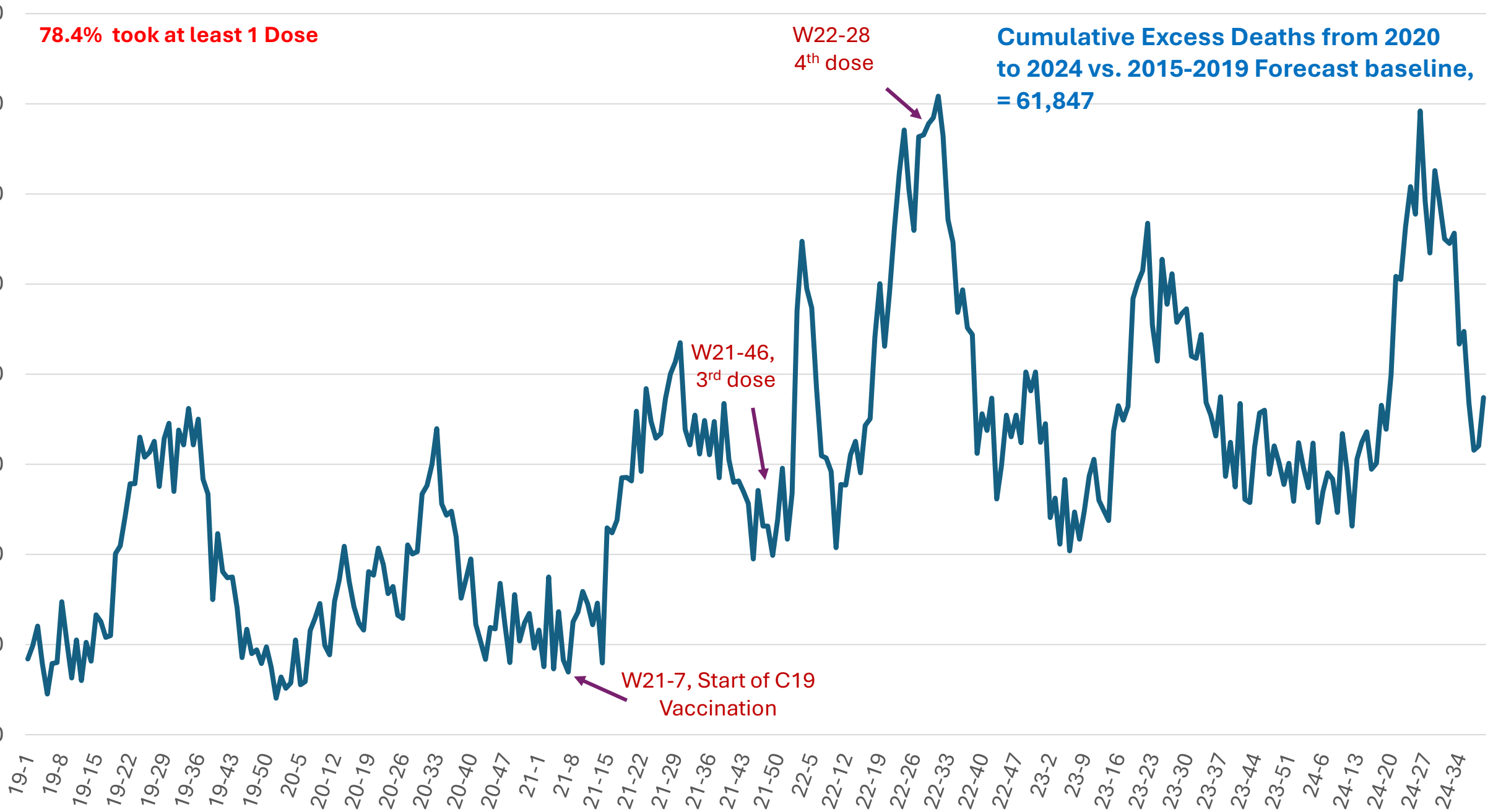
78.4% took at least 1 Dose

**W22-28
4th dose**

**Cumulative Excess Deaths from 2020
to 2024 vs. 2015-2019 Forecast baseline,
= 61,847**

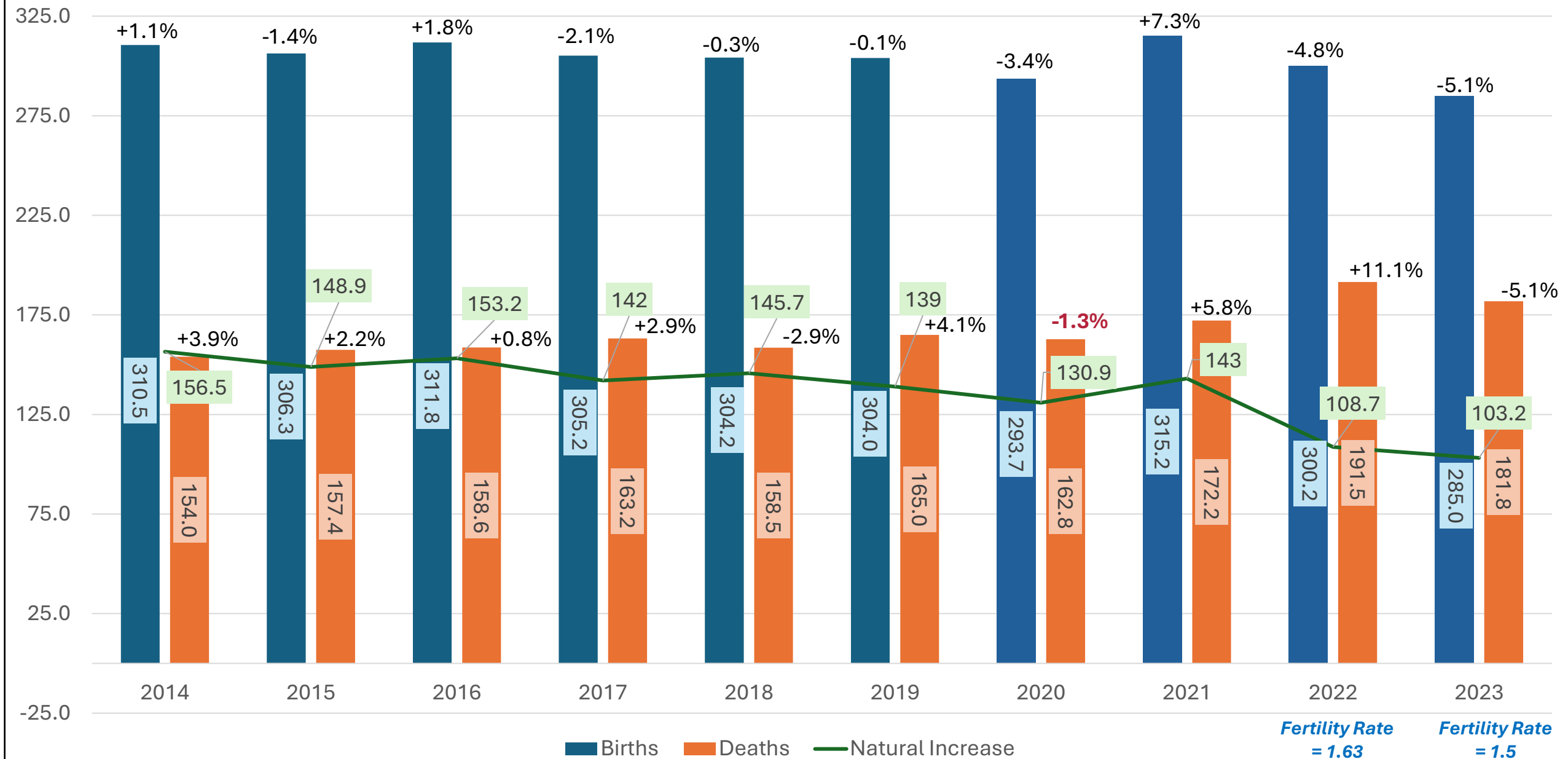
**W21-46,
3rd dose**

**W21-7, Start of C19
Vaccination**



Australia, Births & Deaths, % Change, Natural Increase, 2014 - 2023, 1000s

Source: Australian Bureau of Statistics

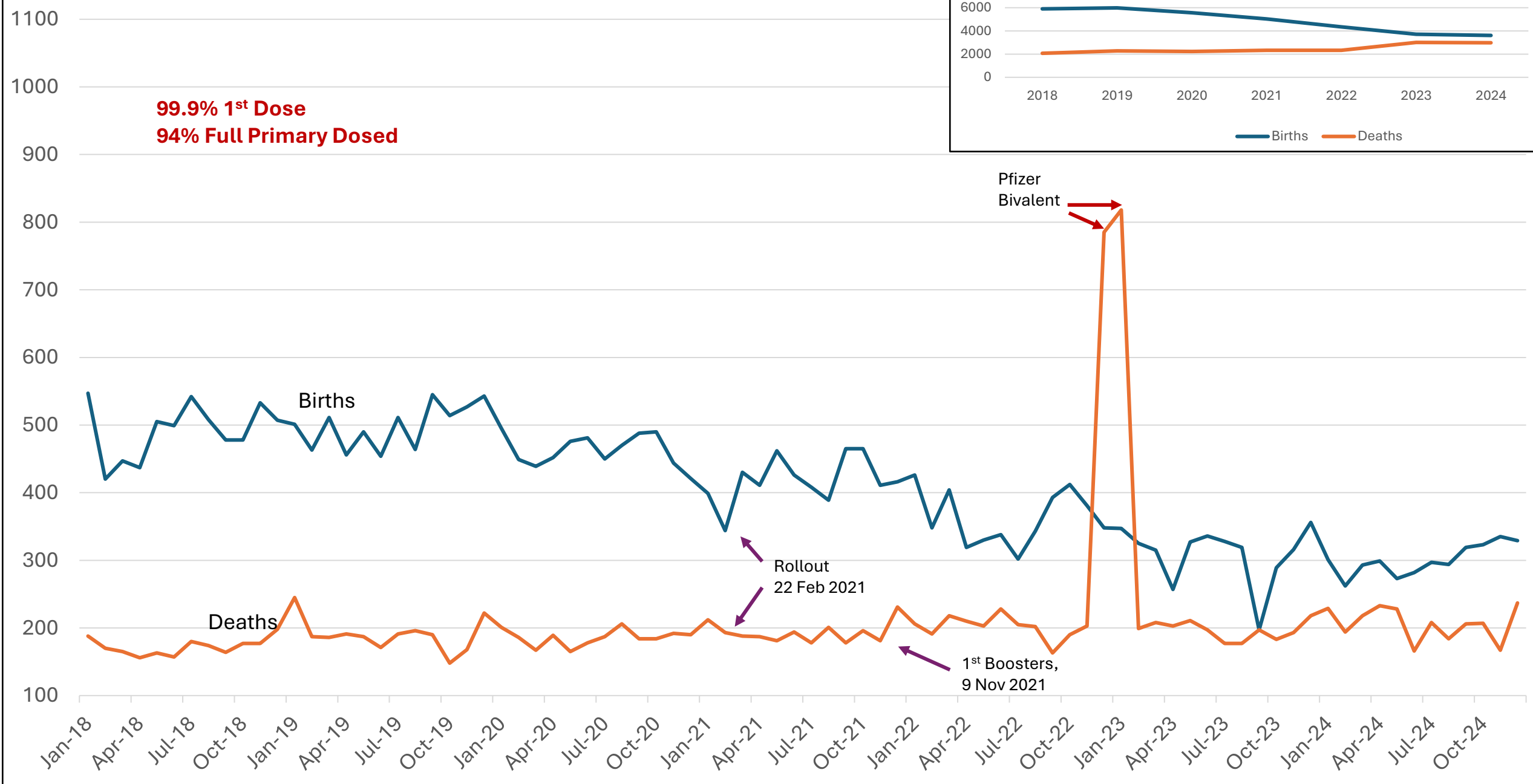
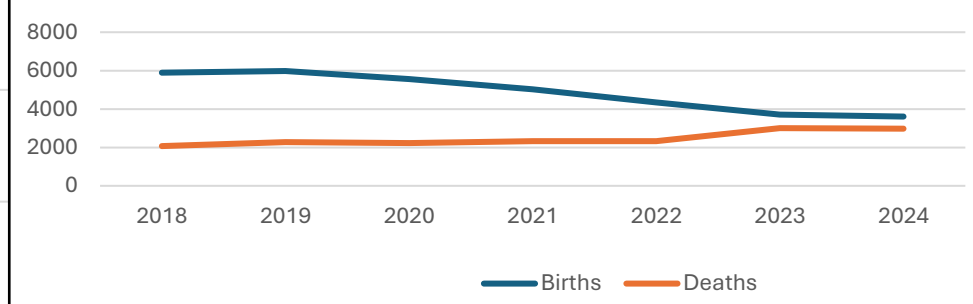


Macau, Monthly Registered Births & Deaths 2018-2024

Source: Statistics – Macao SAR Government Portal (www.gov.mo)

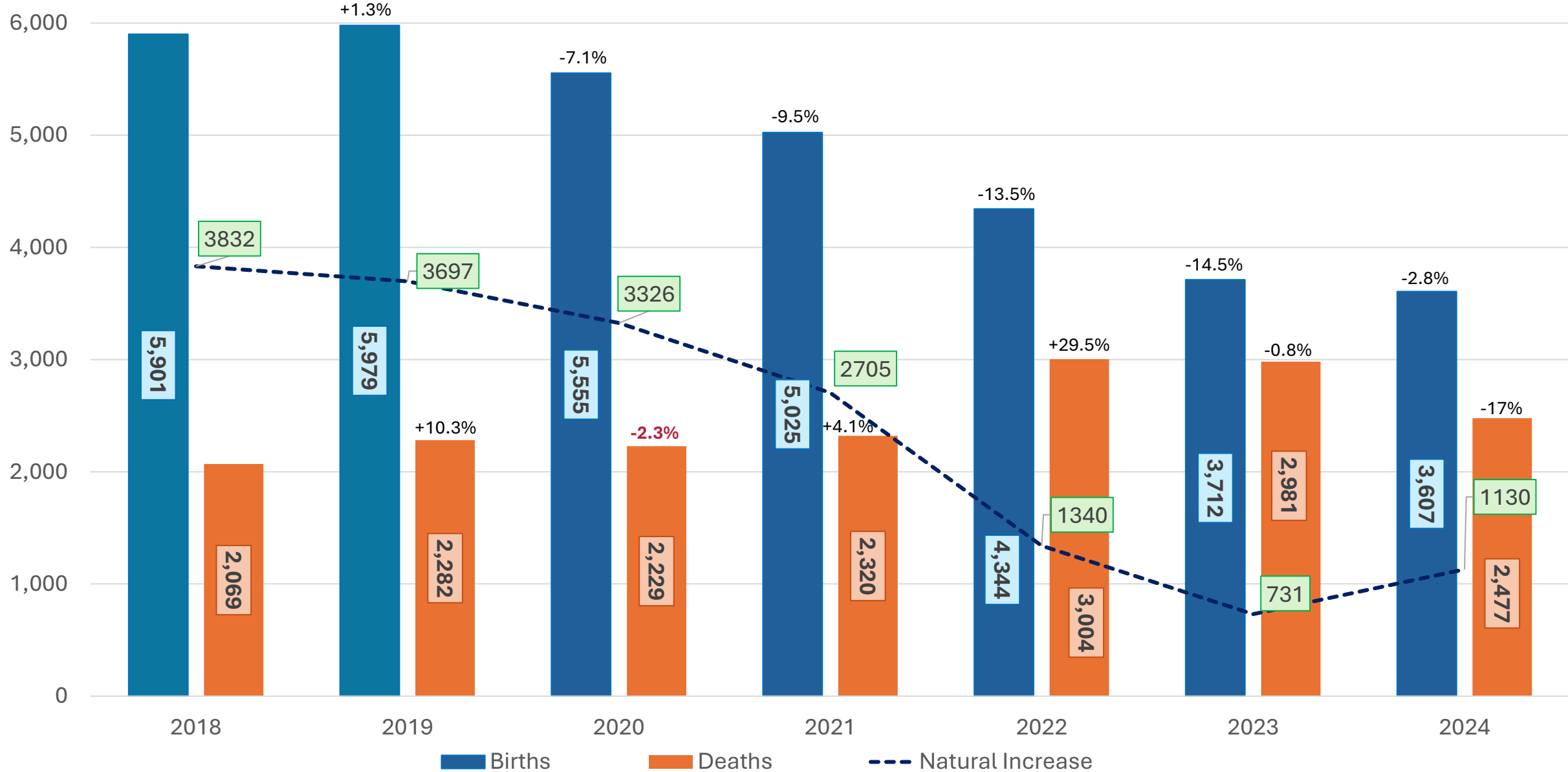
99.9% 1st Dose
94% Full Primary Dosed

Macau Annual Births & Deaths, 2018-2024



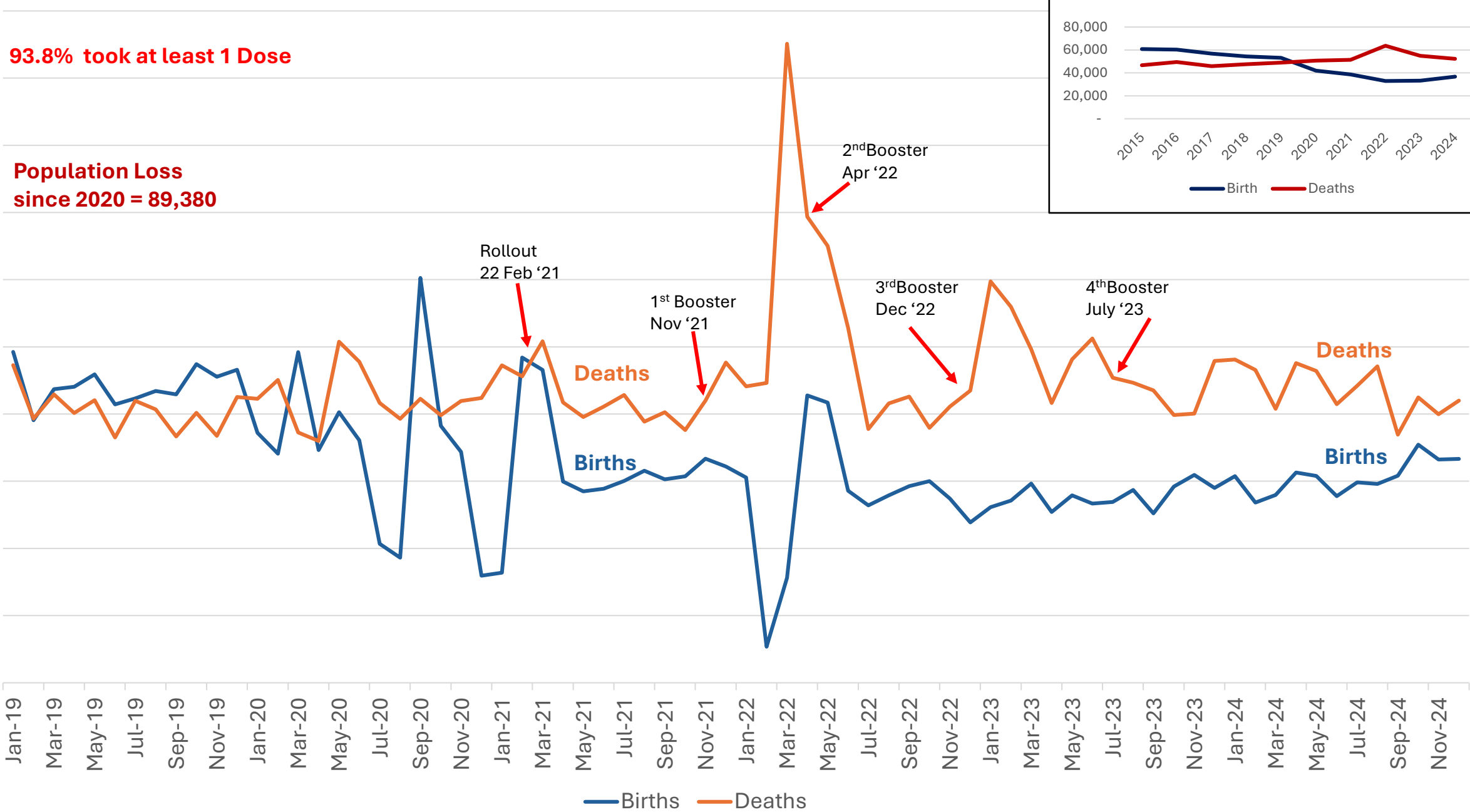
Macau Births, Deaths, Natural Increase, Year on Year % Change, 2018 - 2024

Source: Statistics – Macao SAR Government Portal (www.gov.mo)



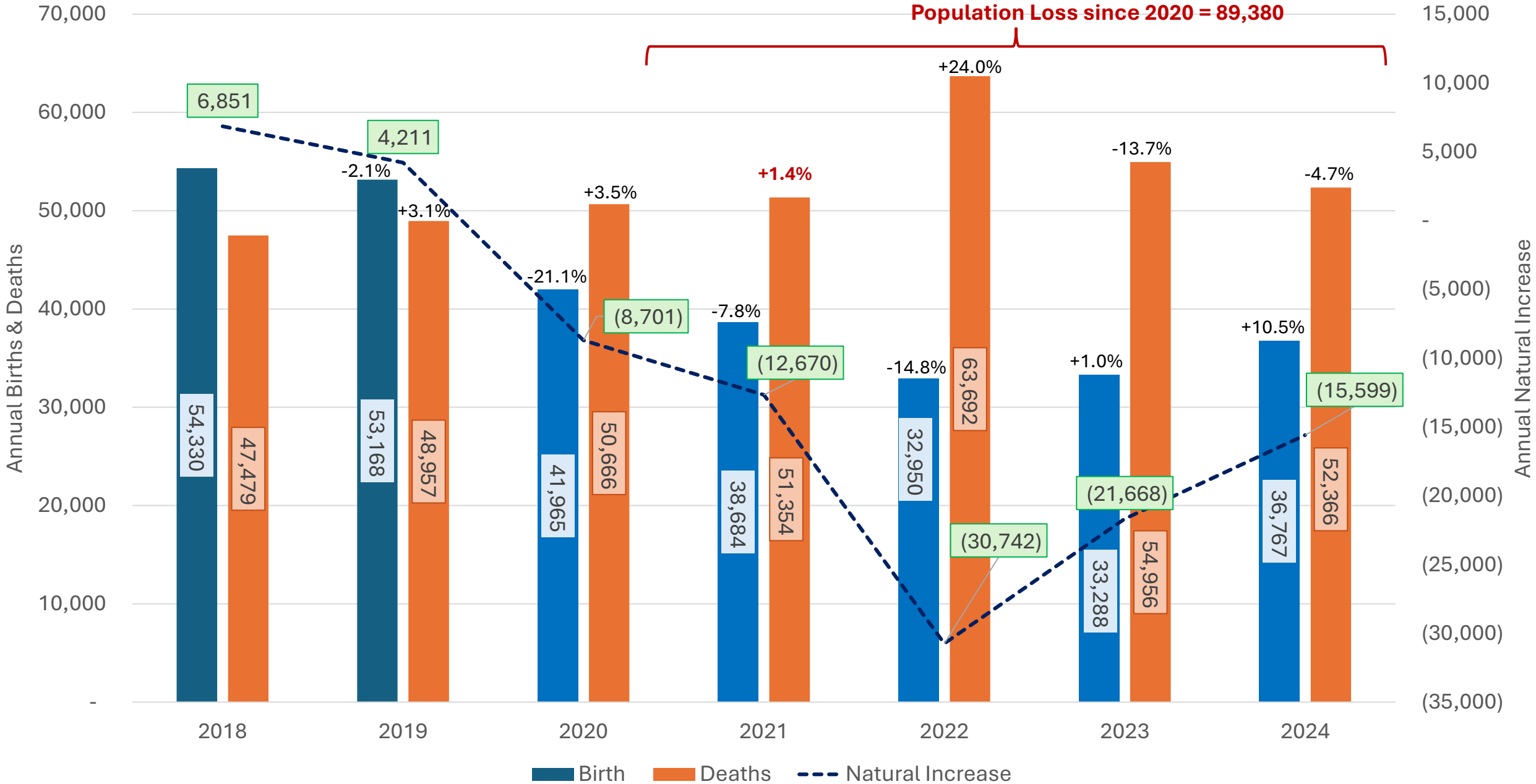
Hong Kong Monthly Births and Deaths 2019 - 2024

Hong Kong Annual Births and Deaths 2015 - 2024



Hong Kong, Births, Deaths, Natural Increase, Year on Year % Change, 2018 – 2024

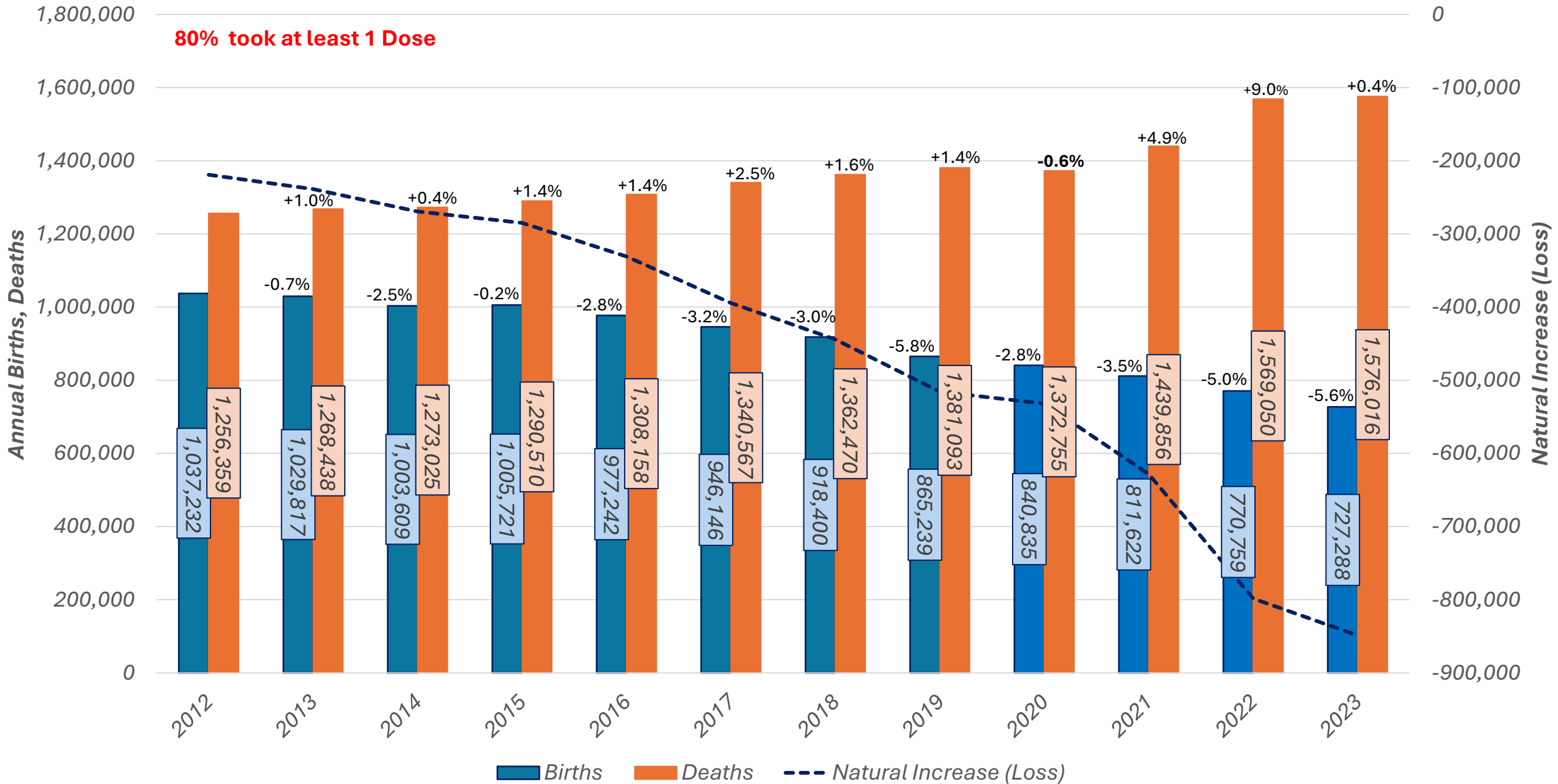
Source: Hong Kong Monthly Digest



Japan Births, Deaths, Natural Increase (LOSS), % YOY Change, 2012 - 2023

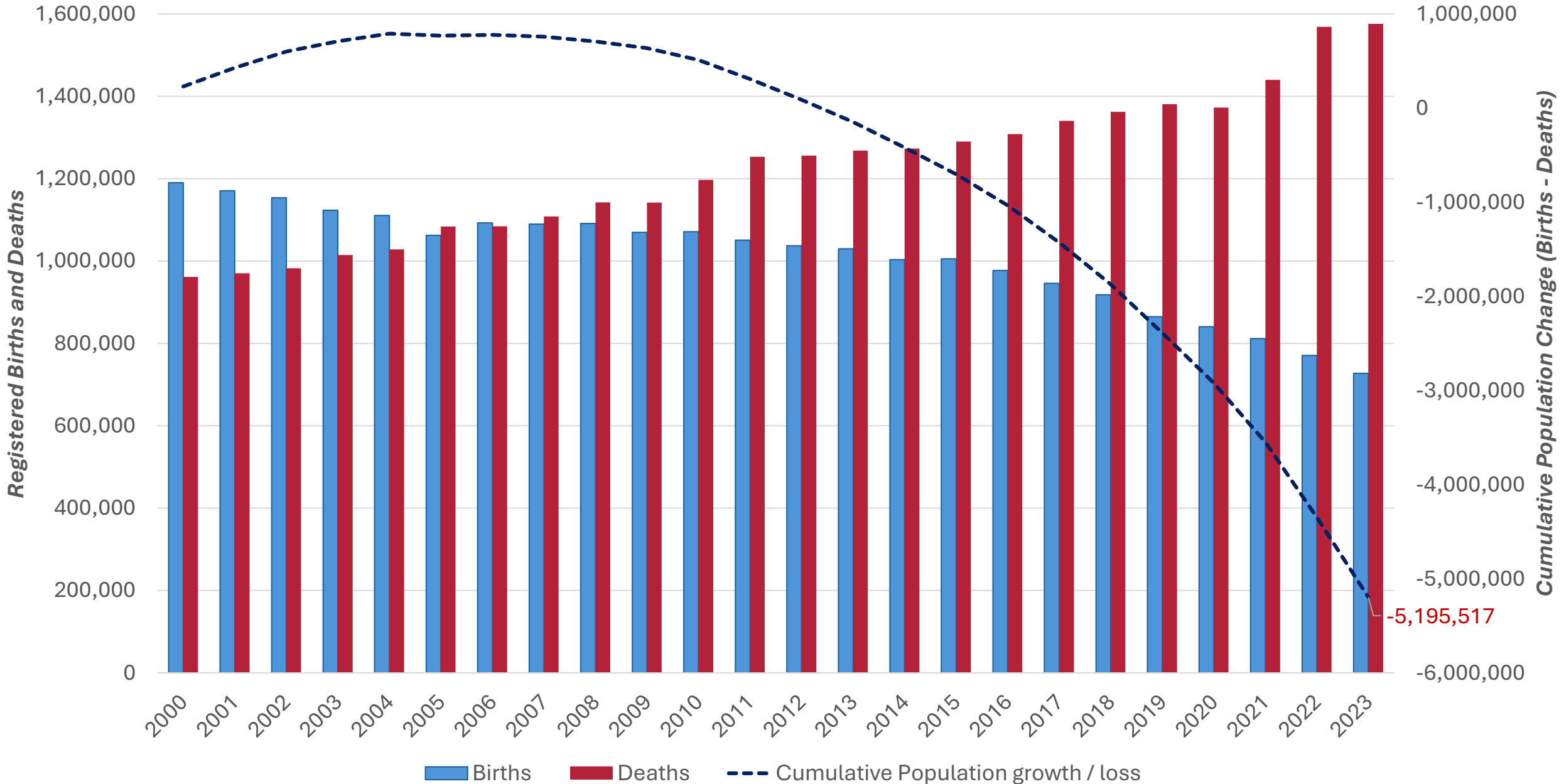
Source: dashboard.e-stat.go.jp/en/timeSeriesResult

80% took at least 1 Dose



Japan Live Births, Deaths, Cumulative Population Loss 2000 - 2023

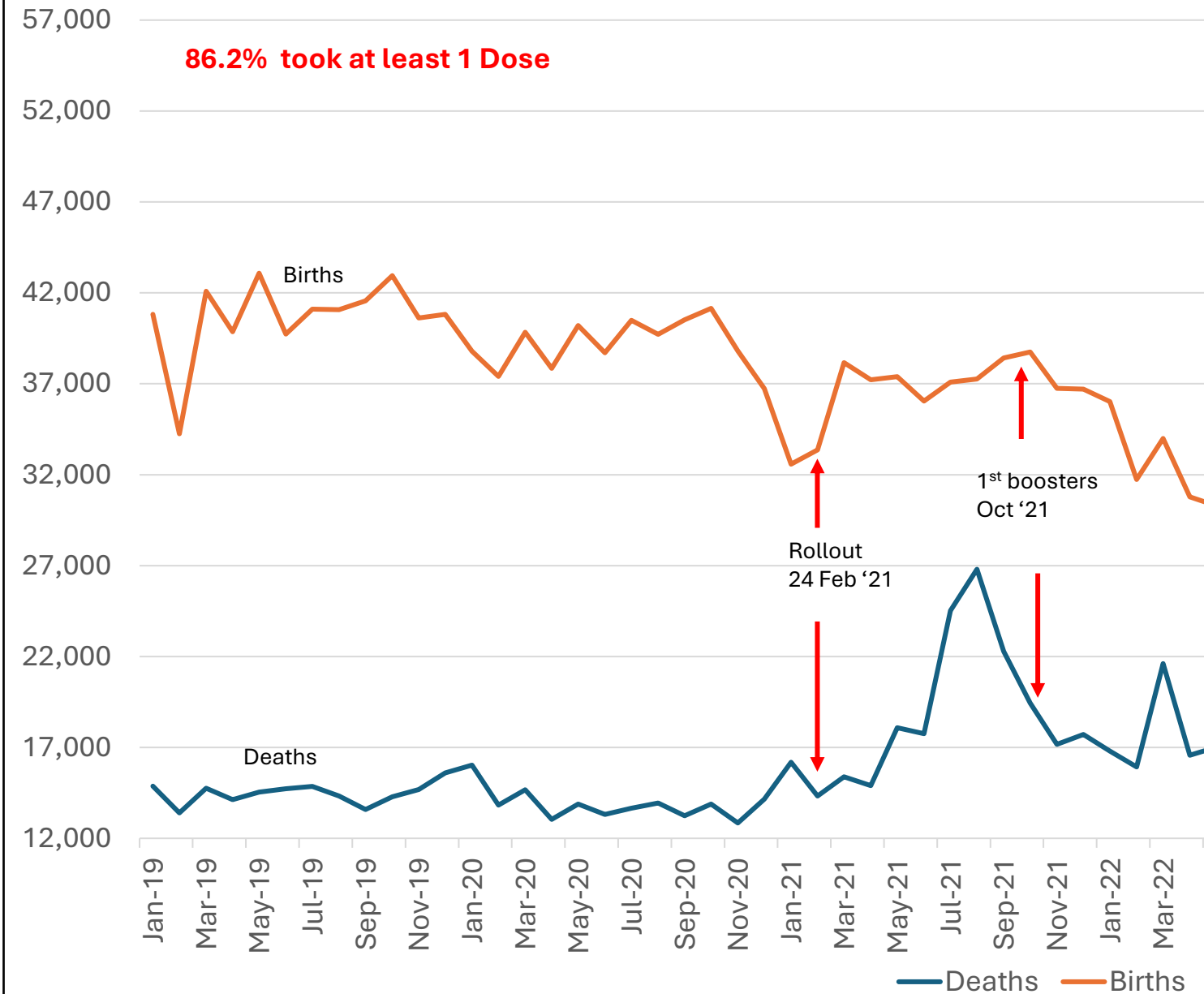
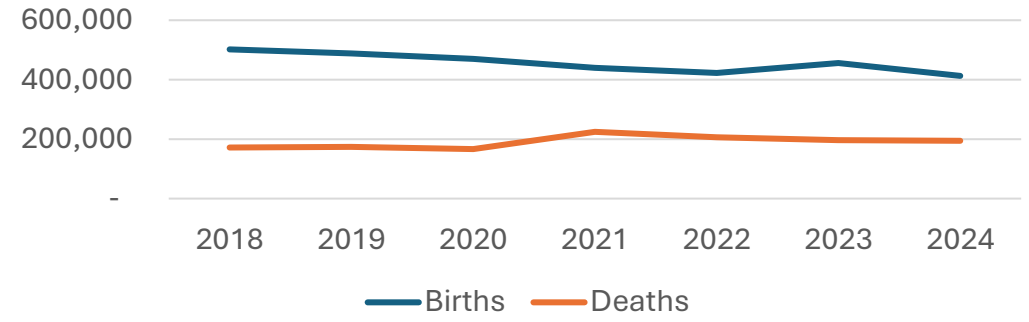
Source: dashboard.e-stat.go.jp/en/timeSeriesResult



Malaysia, Monthly Births and Deaths, 2019 - 2024

86.2% took at least 1 Dose

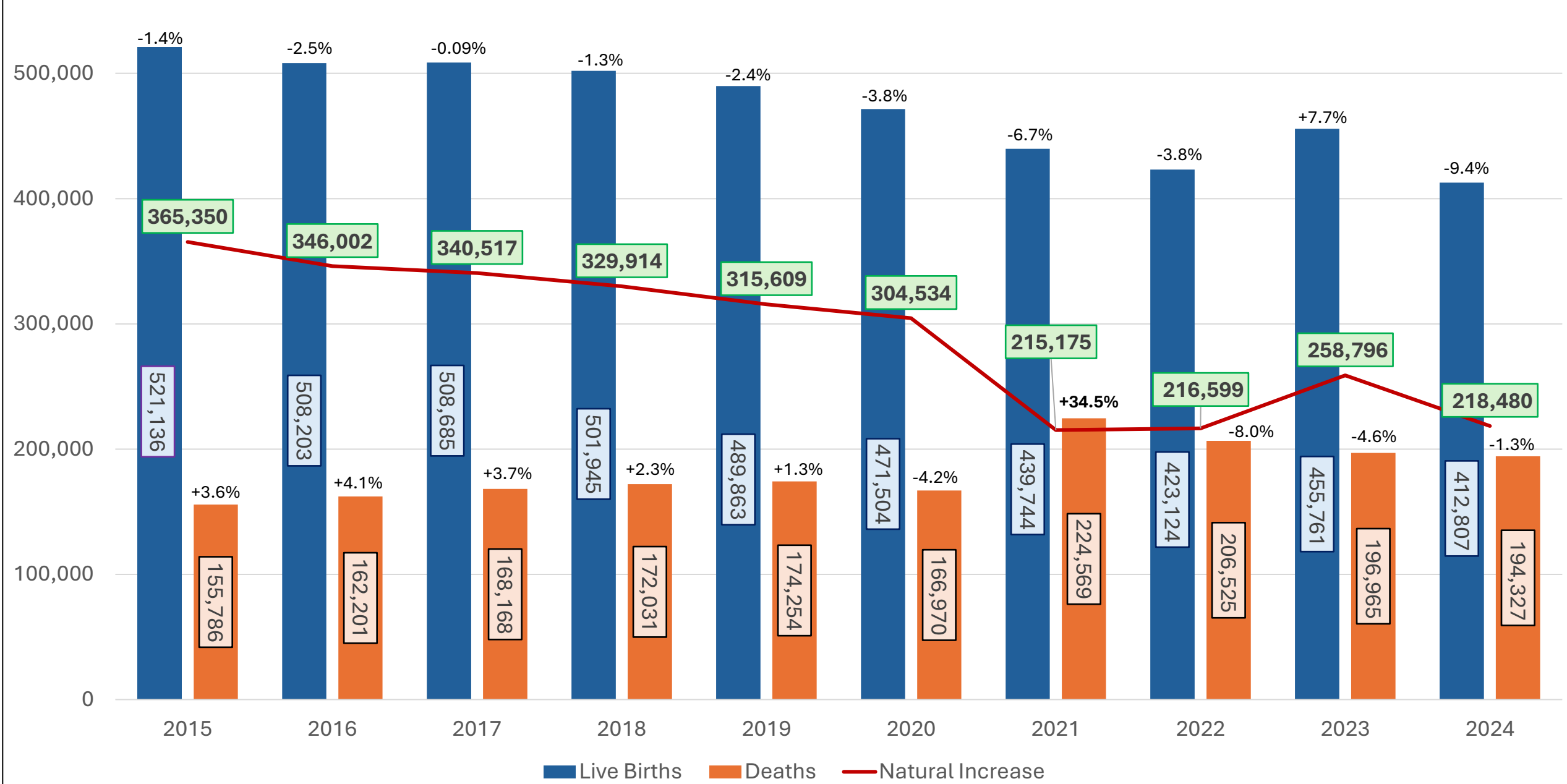
Malaysia, Annual Births and Deaths 2018 - 2024



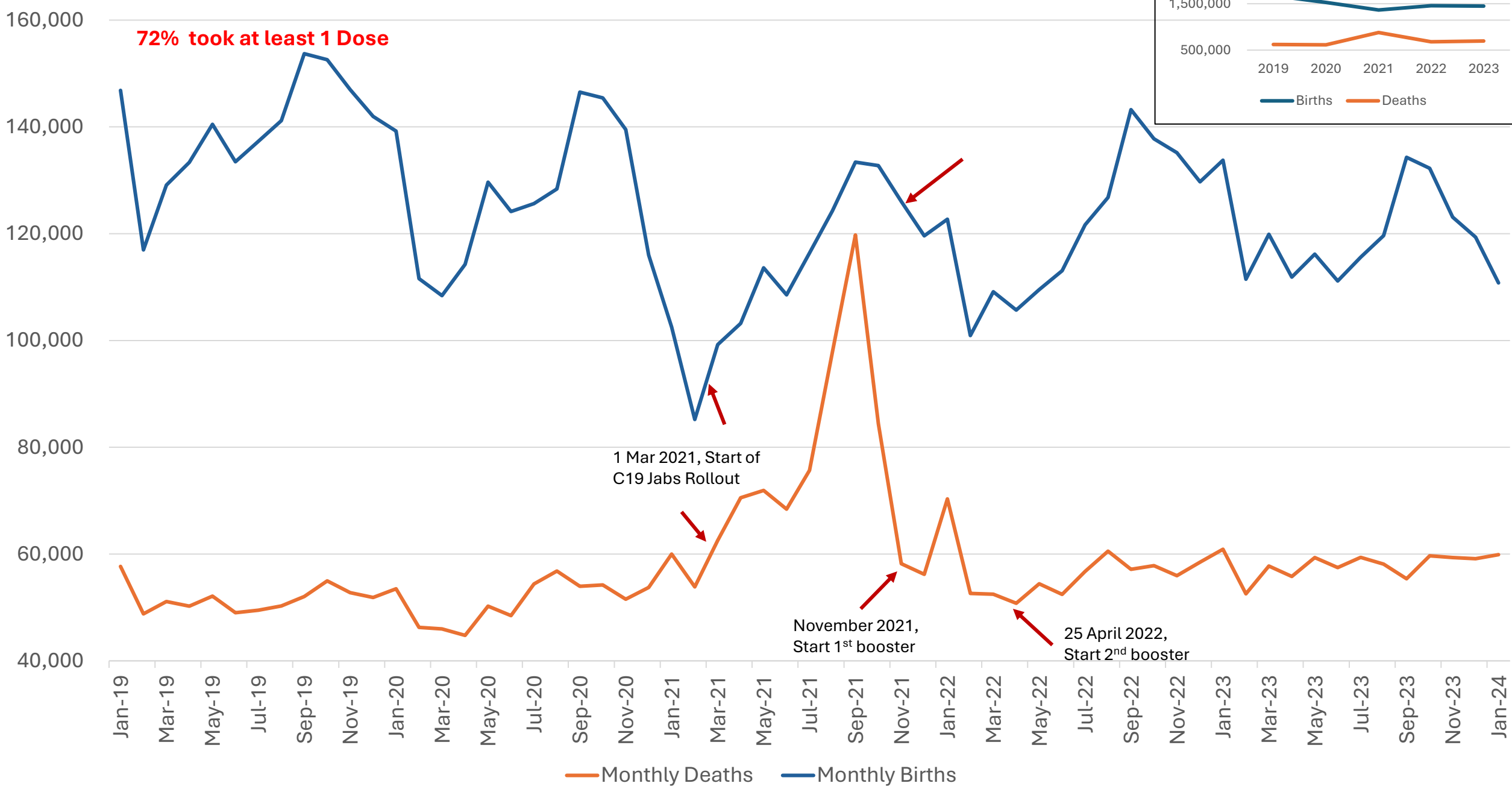
— Deaths — Births

Malaysia, Births, Deaths, Natural Increase, Year on Year % Change, 2015-2024

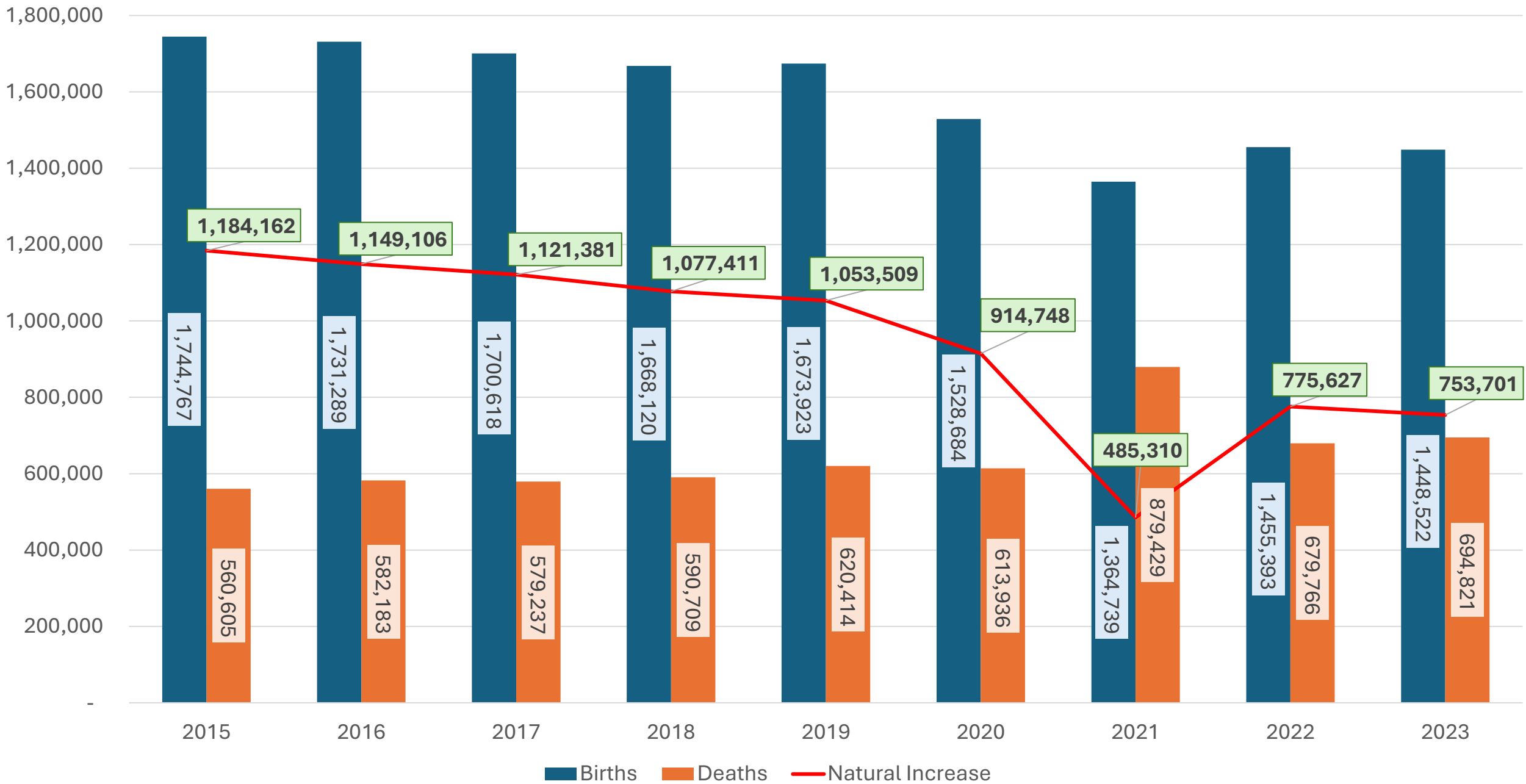
Source: open.dosm.gov.my/publications



Philippines Registered Births and Deaths Jan 2019 - Jan 2024



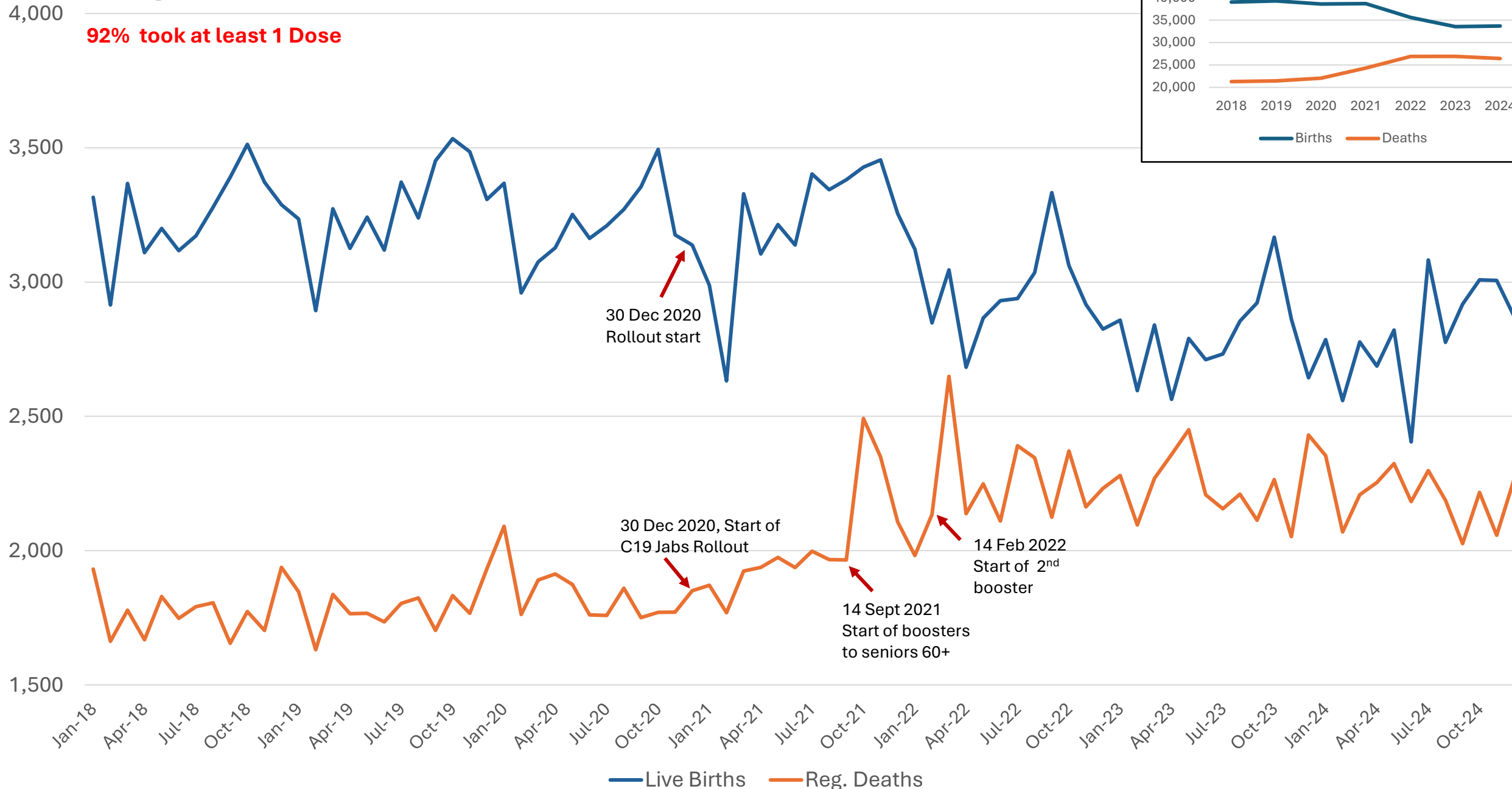
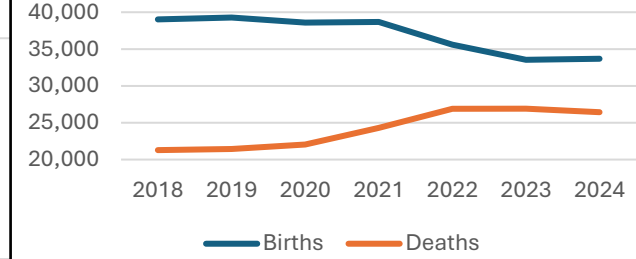
Philippines Population Change Over Time / Natural Increase



Singapore, Births and Deaths by Month, 2018-2024

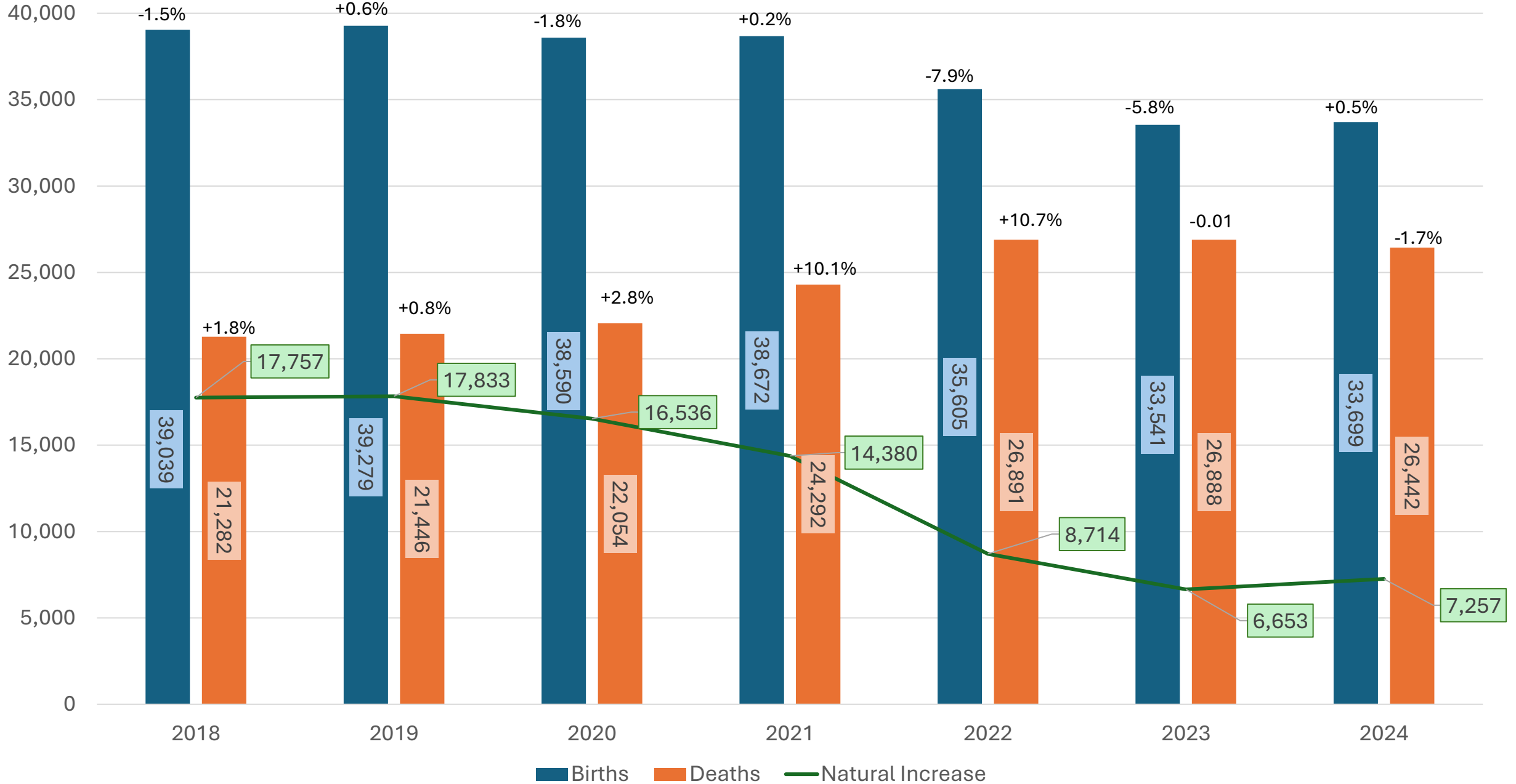
92% took at least 1 Dose

Births & Deaths 2018 - 2024



— Live Births — Reg. Deaths

Singapore Annual Births, Deaths, Natural Increase, 2018 - 2024



Taiwan, Monthly Births and Deaths 2019 - 2024

93.5% took at least 1 Dose

July 2021, 2nd Booster start

22 Mar 2021 Rollout start

Nov 2021, 1st Booster start

Population loss of 242,200 since 2020

2019 - Pre-pandemic

177,767 Births
176,296 - Deaths

2020 - Pandemic

165,249 Births
173,156 - Deaths

2021 - Pandemic + Vaccines

154,720 - Births
183,732 - Deaths

2022

138,986 - Births
183,732 - Deaths

2023

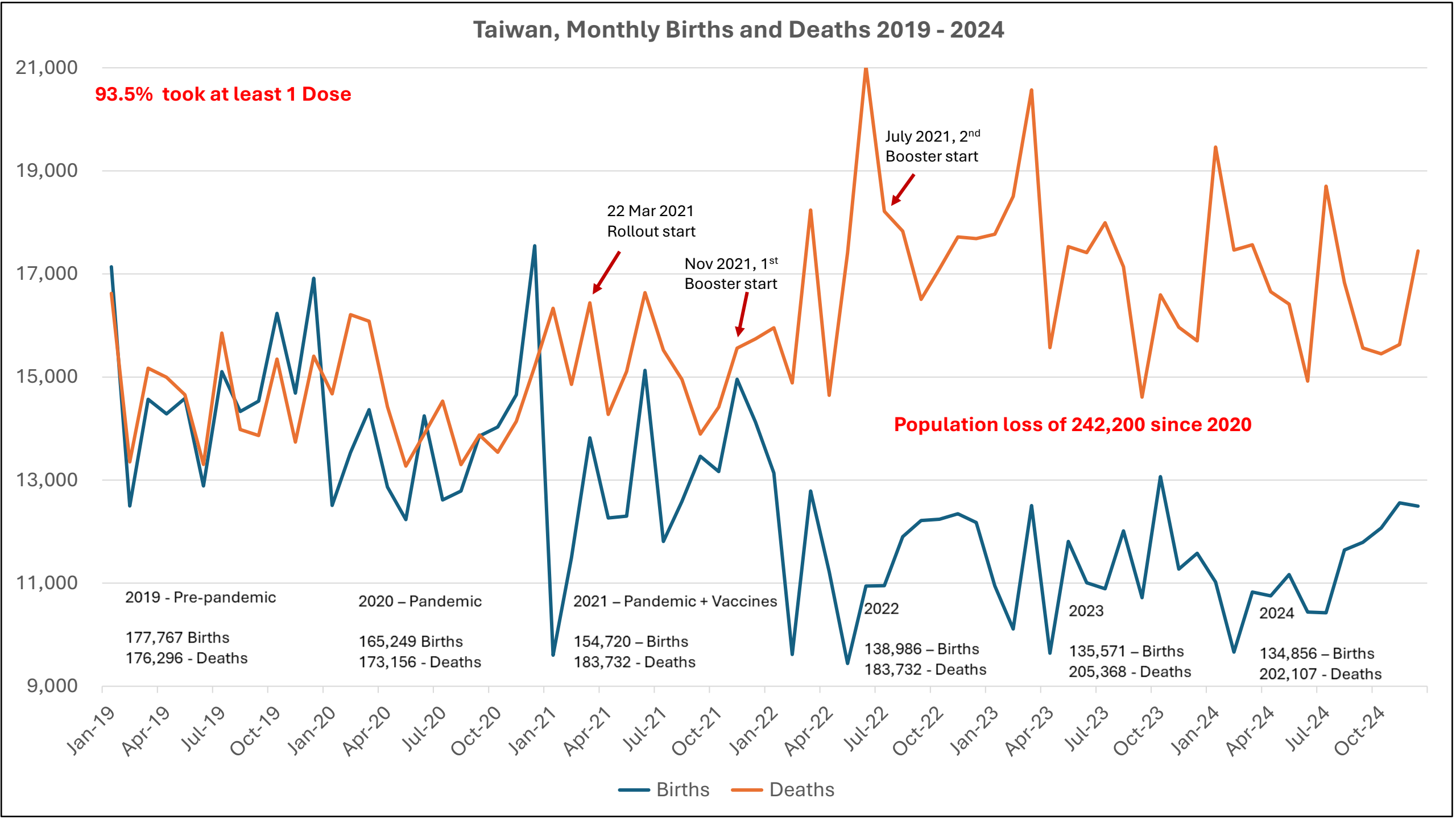
135,571 - Births
205,368 - Deaths

2024

134,856 - Births
202,107 - Deaths

— Births — Deaths

Jan-19 Apr-19 Jul-19 Oct-19 Jan-20 Apr-20 Jul-20 Oct-20 Jan-21 Apr-21 Jul-21 Oct-21 Jan-22 Apr-22 Jul-22 Oct-22 Jan-23 Apr-23 Jul-23 Oct-23 Jan-24 Apr-24 Jul-24 Oct-24



Taiwan, Births, Deaths, Natural Increase 2012-2024

Source: Ministry of the Interior ROC (Taiwan)

