

Vaccine Implementation Update



Current Status

75% of adult Ontarians have received at least one dose
More than 19% of adult Ontarians are fully immunized



11.9M
Doses administered

Over **2.3M** Ontarians fully vaccinated after receiving both doses

Average of **185,300** vaccines administered daily.



99%
LTC residents fully immunized



90%
LTC Staff received at least one dose



109%
RH residents received at least one dose



73%
RH Staff received at least one dose

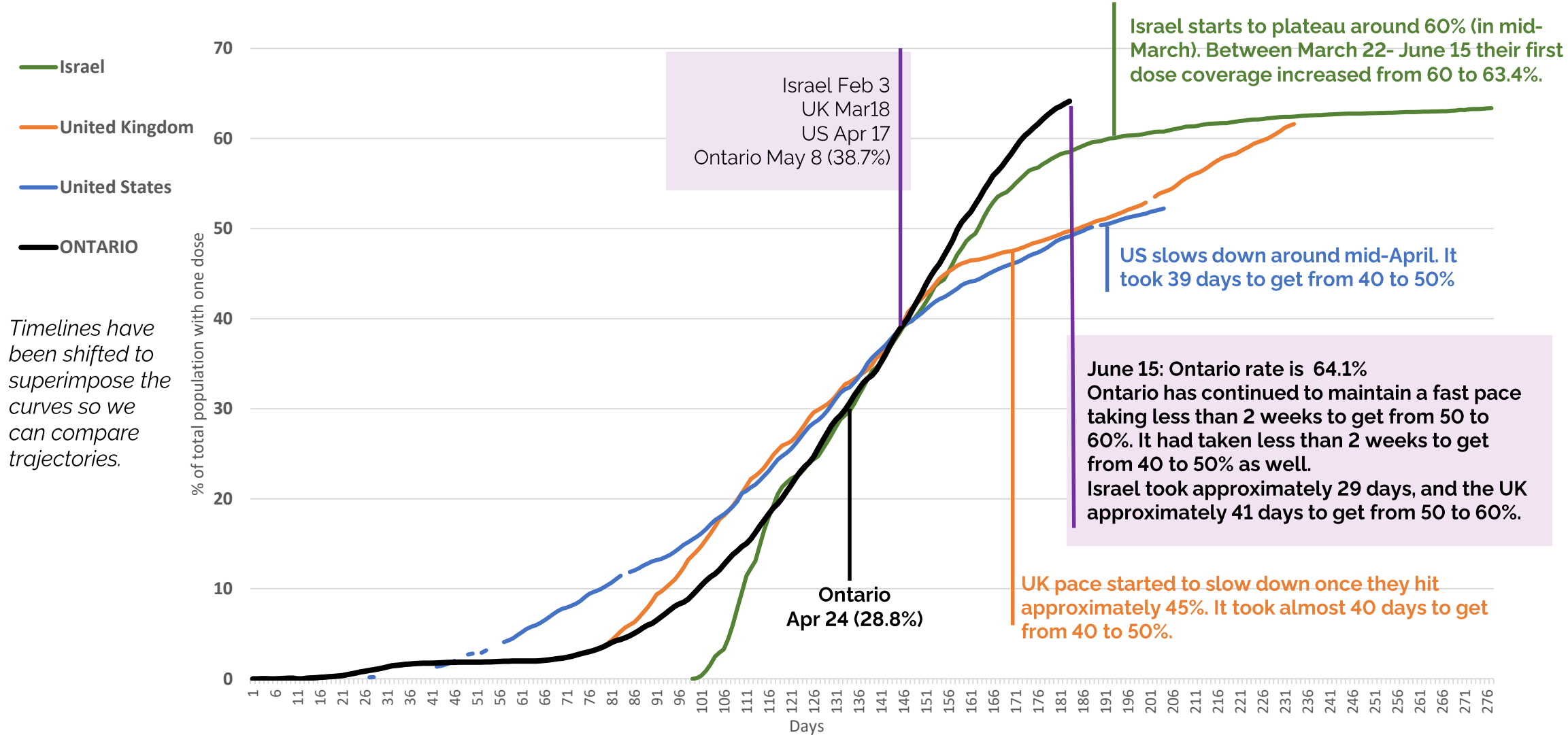
As of June 16, 9 p.m. Retirement home residents, staff and caregiver counts used to calculate percentages are based on data from the Retirement Home Regulatory Authority (Dec 2020). It represents the estimated population at a specific point in time (mid-December 2020) and not the number of suites. Note that the capacity in the sector fluctuates so it may not be truly representative of the population today. Long-term care home staff counts were provided by MLTC (Dec 2020). Long-term care home residents are based on the LTCH Cohort (Jan 1 2021), a resident estimate developed by HAIB using administrative data sources. When the number of people with one or more doses exceeds the estimated denominator the percentage will exceed 100% (e.g. the number of retirement home residents).

Current Status (cont'd)

| Age Groups | First Dose Percentage | Second Dose Percentage |
|------------|-----------------------|------------------------|
| 80+ | 95% | 59% |
| 70-79 | 92% | 39% |
| 60-69 | 87% | 27% |
| 50-59 | 78% | 16% |
| 40-49 | 73% | 13% |
| 30-39 | 66% | 11% |
| 18-29 | 61% | 8% |
| 12-17 | 48% | 1% |

As of June 16, 9 p.m.

Population vaccinated per 100: Comparing Ontario trajectory with Israel, UK, USA



Ontario is currently matching or exceeding the fastest pace of first dose vaccine administration seen in Israel and is exceeding the pace in the US and UK. Ontario has surpassed first dose population coverage in the US, the UK and Israel.

Data source: Our World in Data. <https://ourworldindata.org/covid-vaccinations>. Extracted 06/16/2021 11:00 am. Mathieu, E., Ritchie, H., Ortiz-Ospina, E. et al. A global database of COVID-19 vaccinations. Nat Hum Behav (2021)

Vaccine Supply Update

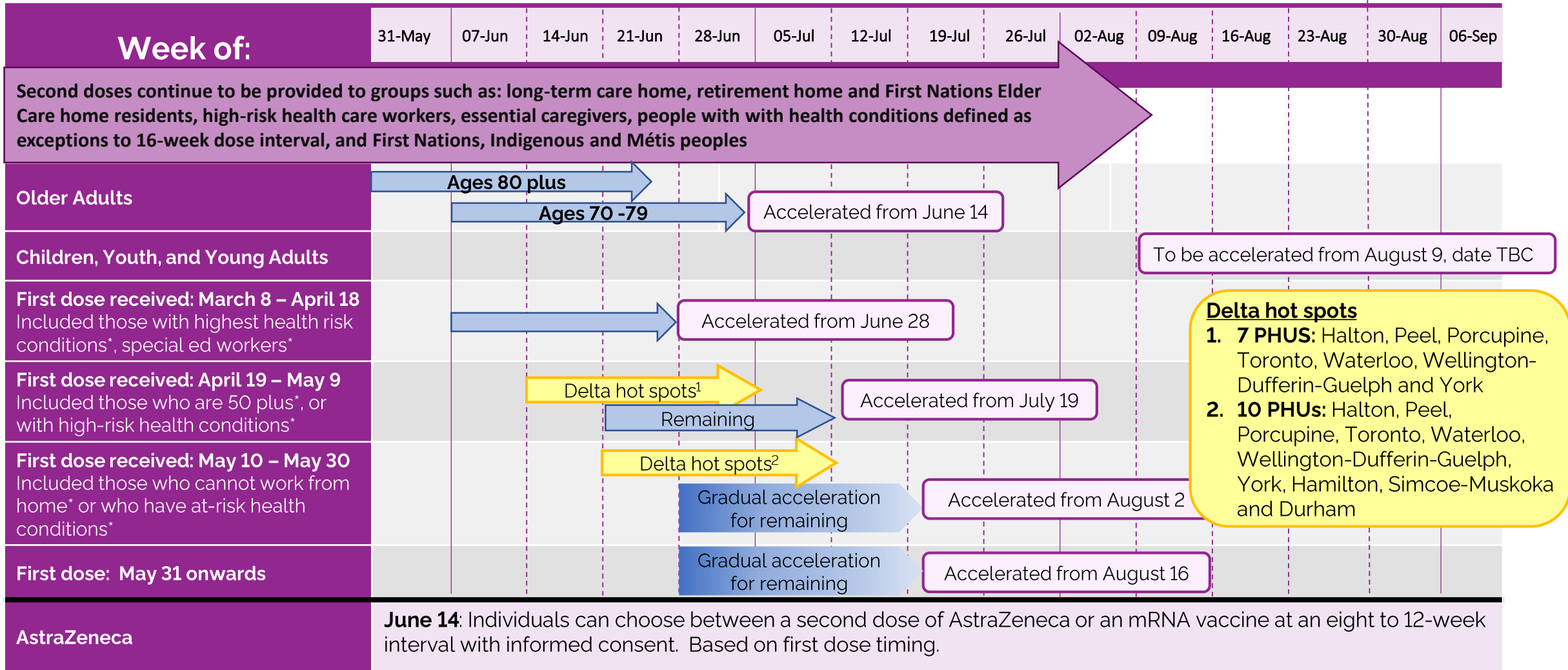
Over the coming weeks, Ontario expects to receive more vaccine supply from the federal government, supporting the province in its rollout and expanding eligibility to more Ontarians.

Anticipated federal deliveries in June: ~7.9M

- Pfizer-BioNTech
 - Week of June 14: 939,510 doses
 - Week of June 21: 939,510 doses
 - Week of June 28: 938,340 doses
 - Week of July 5: 348,660 doses (reduced from 885,000 doses, difference to be provided later in the month)
 - Week of July 12, 19 and 26: 3,194,100 expected doses total, split into weekly deliveries (doses per delivery to be confirmed)
- Moderna
 - Week of June 14: 1,123,780 doses (expected June 16 & 17)
 - Week of June 21: 2,179,380 doses split into two deliveries during the week
- AstraZeneca
 - Federal allocations and delivery date pending
- Johnson & Johnson
 - Federal allocations pending

Overview of Second Dose Booking Eligibility

(Plan is based on confirmed vaccine supply. Moderna shipments confirmed for June provide an opportunity to further accelerate second dose eligibility)



*Possible example only, an individual will only be able to accelerate their second dose if the first dose was received in the specified timeframe.

Note: Dates provided are for when the group is eligible to book a second dose. The new dose interval could be as short as 28 days, where local appointments and supply are available. Timing of second dose appointments may vary based on local considerations, vaccine supply and the date of an individual's first dose appointment. Throughout the second dose rollout, the Ministry will continue to take into consideration historical as well as current COVID hotspot regions across Ontario.

Variants of Concern – Delta Update

- Beginning Monday, June 14, individuals who live in areas of high Delta prevalence in Halton, Peel, Porcupine, Toronto, Waterloo, Wellington-Dufferin-Guelph and York public health units, and also received their first dose on or before May 9, became eligible to book their accelerated second dose appointment.
- In a continued effort to stop the spread of COVID-19 and the highly transmissible Delta variant, as of Wednesday, June 23, individuals who received their first dose of mRNA vaccine on before May 30, and who live in Halton, Peel, Porcupine, Toronto, Waterloo, Wellington-Dufferin-Guelph and York as well as in newly identified Delta hotspots of Hamilton, Simcoe-Muskoka and Durham, will be eligible to book an accelerated second dose appointment.
- Increasing first and second dose coverage in communities with the highest rates of Delta variant transmission will help to minimize the risk of its spread, protecting all neighbourhoods provincewide.
- Over 120,000 additional doses were allocated in one week to accelerate second doses in Delta hot spots.

Variants of Concern – Delta Update (cont'd)

- Public health units are responsible for determining how vaccines are allocated through their region as well as through local distribution channels, including through the provincial or local booking system.
- From May 7 to June 17, more than 50 provincially supported pop-up clinics have administered over 86,000 vaccines at workplaces and community hubs in Durham, Halton, Hamilton, Toronto, Peel and York region hot spots, working closely with Public Health Units. Mobile clinics are returning to these sites to focus on second doses beginning the week of June 20.
- The province will also assist Region of Waterloo Public Health with mobile team support to help administer first and second doses to priority populations in COVID hotspots as it works toward preventing the spread of the Delta variant.

COVID-19 Vaccine Clinics for Youth

- Over 48% of Ontarians aged 12-17 have received at least one dose.
- Youth clinics started on May 23. It is expected that youth will continue to be vaccinated at youth clinics between June 14 and 27, with second doses occurring between August 9 and 22. Second doses will be accelerated for youth but the date is not yet confirmed.
- The majority of PHUs are incorporating dedicated vaccination approaches for special priority youth populations, including youth with special needs and FNIM youth. PHUs have identified key partnerships with school boards, youth groups/organizations, children's hospitals, Children's Aid Society, etc.
- All PHUs have identified creative outreach strategies to promote clinics to youth (e.g., social media, youth influencers).
 - Eastern Ontario PHU will be running a "Destination Normal" campaign targeted towards youth and will include teens talking over video and social media about what they miss the most (e.g., socializing with friends, going to the mall)
 - Peterborough will work with the New Canadian Centre and various faith groups to promote vaccine uptake
 - CHEO in Ottawa will be running their own vaccine clinic and is also a co-lead of their "Kids Come First" health team which is leading clinical and non-clinical support staff to youth vaccination clinics
 - Peel region is looking to host a specific pop-up vaccination clinic for 2SLGBTQ+ youth
 - Chatham-Kent is in the process of developing a video tour of the space for youth and coordinating a live virtual Q&A session for youth and their caregivers to provide information and answer questions about the vaccine.

AstraZeneca Second Dose Interval

- On June 12, the Ontario government announced that with informed consent, individuals can choose between a second dose of AstraZeneca or an mRNA vaccine, at an eight to 12-week interval.
- While waiting 12 weeks helps to ultimately provide more protection for people who have AstraZeneca as their first and second doses, some may choose to receive their second dose sooner to have the increased protection provided by a second dose earlier.
- In general, longer intervals between vaccine doses result in stronger final immune responses. The circulation of the B.1.617.2 (Delta) variant of concern in some areas of Ontario, however, warrants consideration of a shorter interval.
- There is lower vaccine effectiveness with one dose compared to two doses for both Pfizer-BioNTech and AstraZeneca vaccines against the Delta variant (as per the [Lopez Bernal et al study](#)); but we are learning every day about the strong protection that two doses of vaccine provides against hospitalization due to severe illness (as per [Public library - PHE national - Knowledge Hub \(khub.net\)](#)).
- The interval eight to 12 weeks balances the apparent benefit of protection associated with a longer dose interval against earlier enhanced protection from COVID -19 infection.

A Safe and Effective Second Dose

- **The best vaccine for your second dose is the vaccine that is available first.** All vaccines provided in Ontario provide strong protection against COVID-19 and its variants.

 moderna



- **If you had Moderna or Pfizer for your first dose** you can safely take either Moderna or Pfizer for your second dose for strong protection.

- This is consistent with recommendations recently provided by NACI and the practices of many jurisdictions.
- Both provide strong protection against COVID-19 and its variants.
- Dose interval is 28 days.

 AstraZeneca

- **If you had AstraZeneca for your first dose** you can safely take either AstraZeneca, Moderna or Pfizer for your second dose for strong protection.

- Getting a Moderna or Pfizer vaccine after the first dose of an AstraZeneca vaccine has been shown to provide beneficial immune response, including against variants of concern.
- Dose interval is 8-12 weeks.
 - A second dose of AZ at 12 weeks offers greater protection (82% efficacy) than at 8 weeks (69% efficacy).

- There is a possibility of increased short-term side effects after the second dose when using different vaccine types, including headache, fatigue and muscle aches.