

Ontario Disability related Data and COVID-19

Toronto Accessibility Advisory Committee Meeting

June 13th, 2022

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Data
Discovery
Better Health

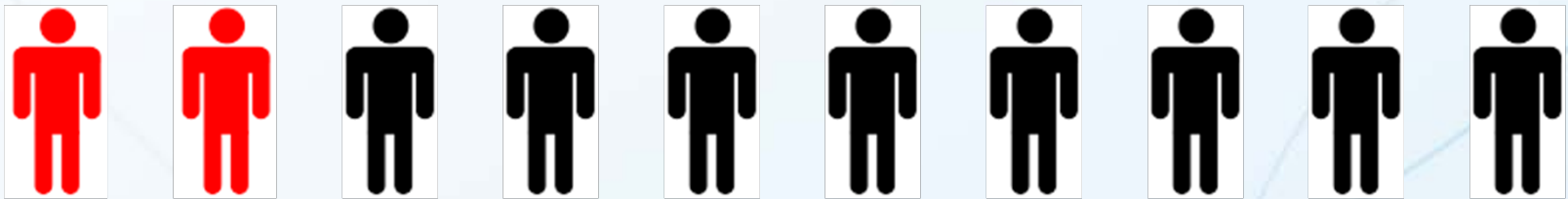
Today's Outline

- **Previous and ongoing COVID-19 related work in disability populations**
 - COVID-19 related outcomes
 - COVID-19 vaccination uptake
- **Where to find current resources**
- **Where to get more information**
 - Applied Health Research Question (AHRQ) program

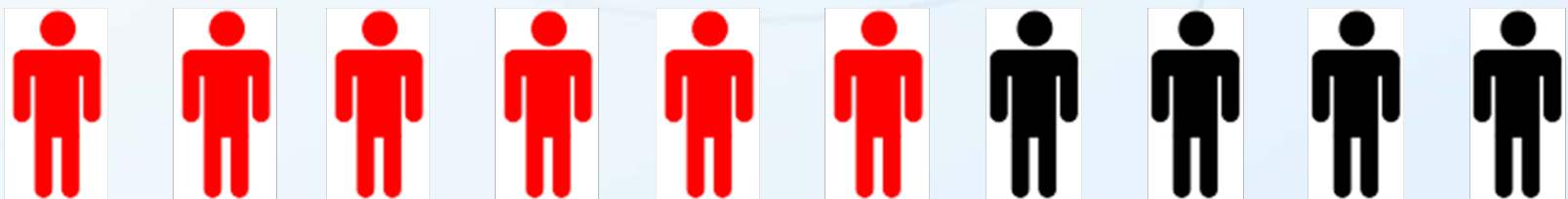
COVID-19 outcomes

UK Study: Mortality

Frequency of disability in the population



Frequency of disability in COVID-19 deaths



UK Office of National Statistics, 2021

ICES Study: Mortality

Hospitalization and mortality rates are higher for adults with developmental disabilities during the COVID-19 pandemic



People with intellectual and developmental disabilities, who are often in younger age groups, are being overlooked by vaccination strategies that prioritize older adults.

For adults with and without intellectual and developmental disabilities (IDD) in Ontario, researchers compared rates of COVID-19 positivity, hospitalization, ICU admission and mortality within 30 days of testing positively between January 2020 and January 2021.



Compared to adults without IDD:

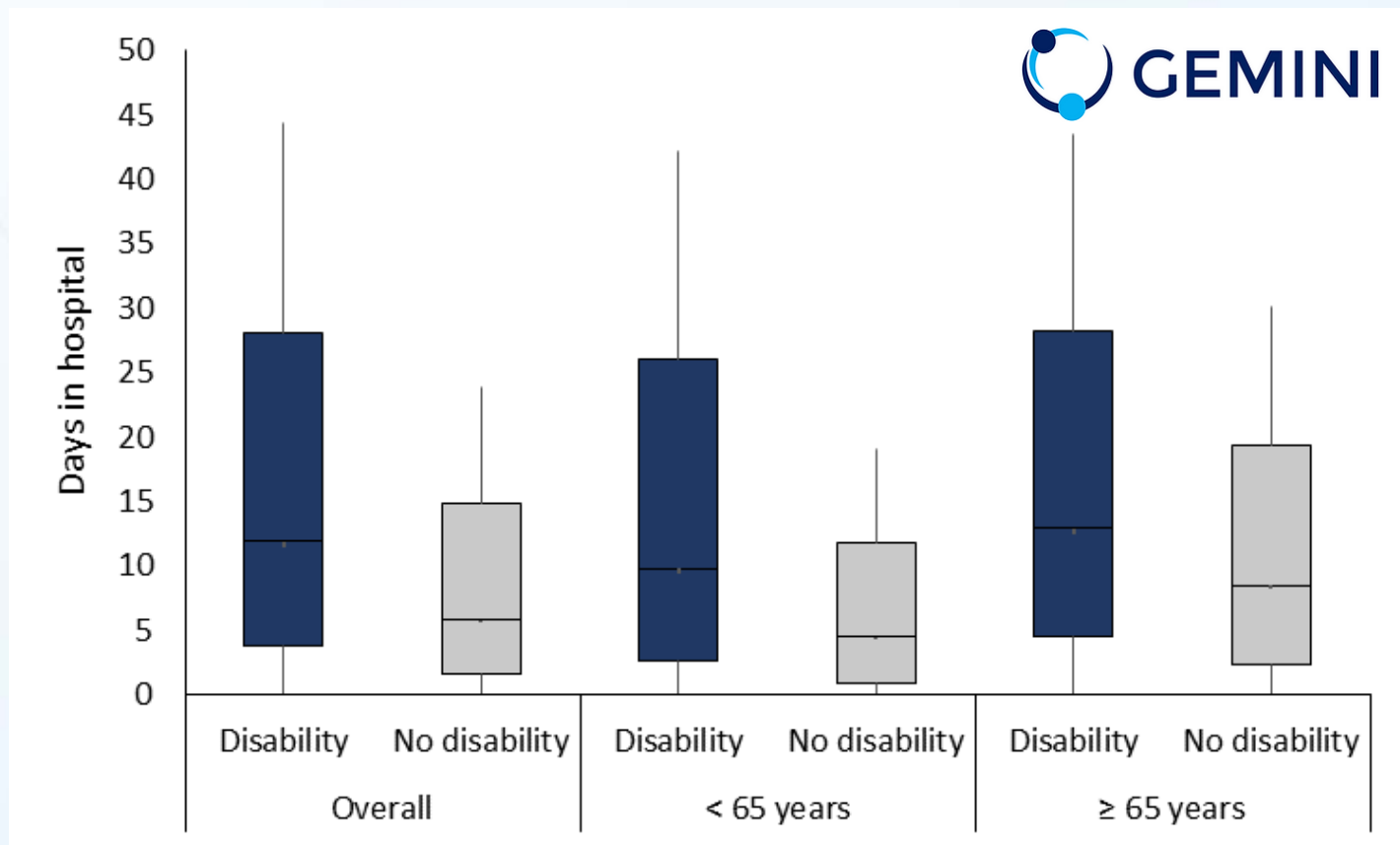
- COVID positivity rates were:
 - **1.3 times higher** for adults with IDD
 - **1.4 times higher** for adults with Down syndrome
- Adults with IDD were **2 times as likely** to be hospitalized with COVID-19 and to die.
- Adults with Down syndrome had mortality rates that were **6.6 times higher**.

Lundqvist et al. Disabil Health J. 2021.

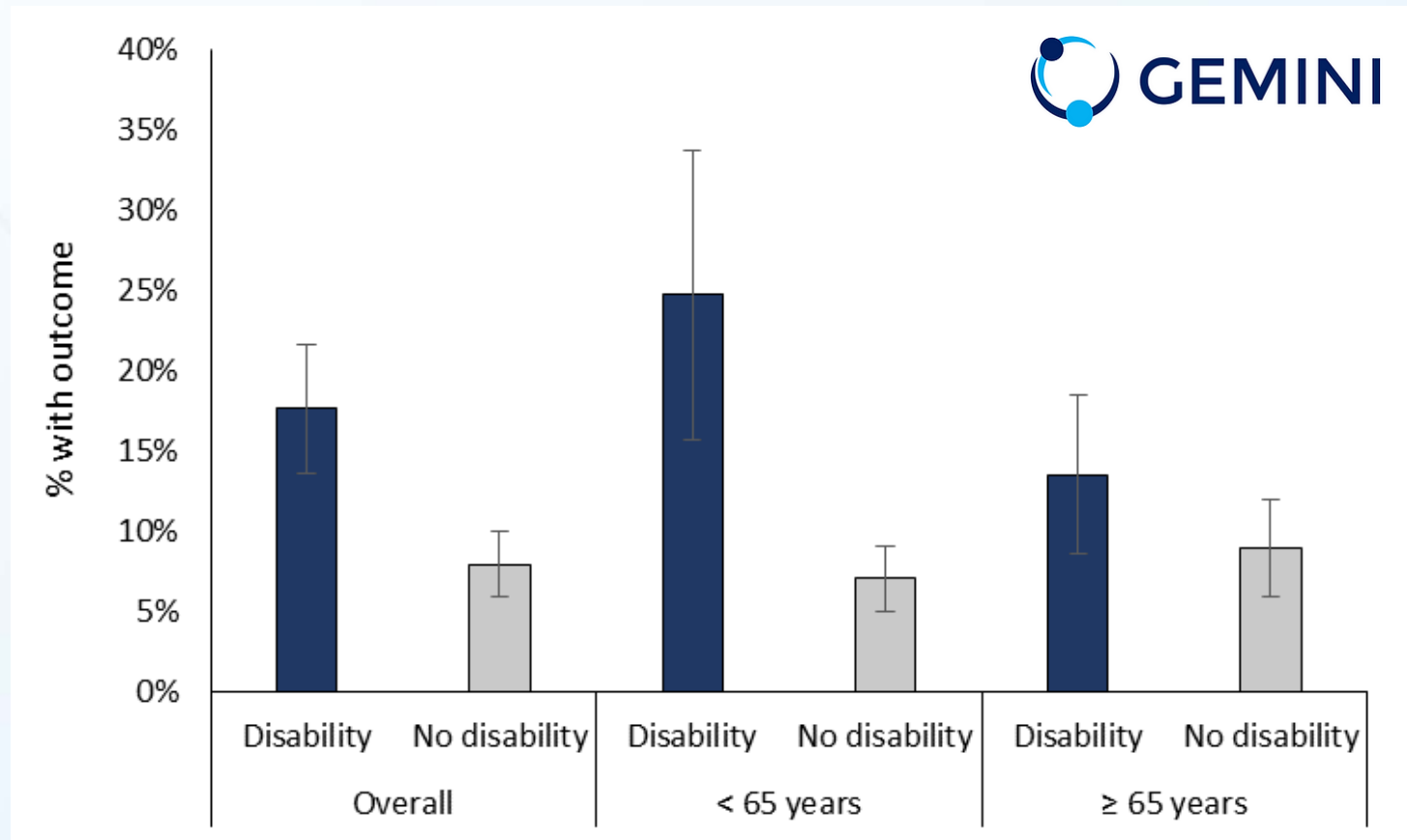
ICES Data. Discovery. Better Health.
ices.on.ca

<https://www.sciencedirect.com/science/article/abs/pii/S1936657421001400?via%3Dihub>

Gemini Study: Length of Stay



Gemini Study: Readmission



Survey Data: Broader Impact

Research Study: Survey on Disability and Reproductive Health during COVID-19 in Canada

Who?



You may be eligible if you:

- Identify or may be identified as having a disability*
- Identify as a woman, trans, or non-binary person
- Are 18 years or older
- Live and receive health care in Canada

What?



- You will be asked to complete a survey about your reproductive health and the health care services you received since the beginning of the COVID-19 pandemic.
- You can do the study, or not do the study. The choice you make will not impact the services you use now or later.

How?



- You will be asked to complete a 20-minute survey.
- The survey can be done by you online, by telephone or Zoom with a researcher at a time that works for you.
- If you need any supports or accommodations to participate, these will be provided.

What you share about your reproductive health experiences during COVID-19 will help make services better for other people during and beyond the pandemic.

You will receive a \$15 gift card to thank you for your time.

Web:

<https://www.utsc.utoronto.ca/projects/disabilitysrh/>

Email:

wiresearch.utsc@utoronto.ca

Twitter: @disabilitysrh

Vaccinations

Ontario Science Table Report



Category: Health Equity & Social Determinants of Health

COVID-19 Vaccination for People with Disabilities

Sara Rotenberg, Matthew B. Downer, Hilary Brown, Jane Cooper, Sabrina Campanella, Yousef Safar, Gabrielle M. Katz, Sandi Bell, Wendy Porch, Fahad Razak, Paula A. Rochon, Michael Schull, Nathan M. Stall, Yona Lunskey on behalf of the Ontario COVID-19 Science Advisory Table

ICES COVID-19 Dashboard

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ICES COVID-19 Dashboard

This dashboard provides an overview of the sociodemographic and clinical characteristics of individuals who are eligible to receive COVID-19 vaccination in Ontario.

By linking COVID-19 vaccination data from the COVaxON provincial database to health and other administrative data from the ICES data repository, we describe below the demographic characteristics and medical histories of those who are eligible to receive a COVID-19 vaccine according to where they live, and the number of vaccine doses received.

The dashboard is updated on a monthly basis.

 **OHDP**

**ONTARIO
HEALTH DATA
PLATFORM
COVID-19**

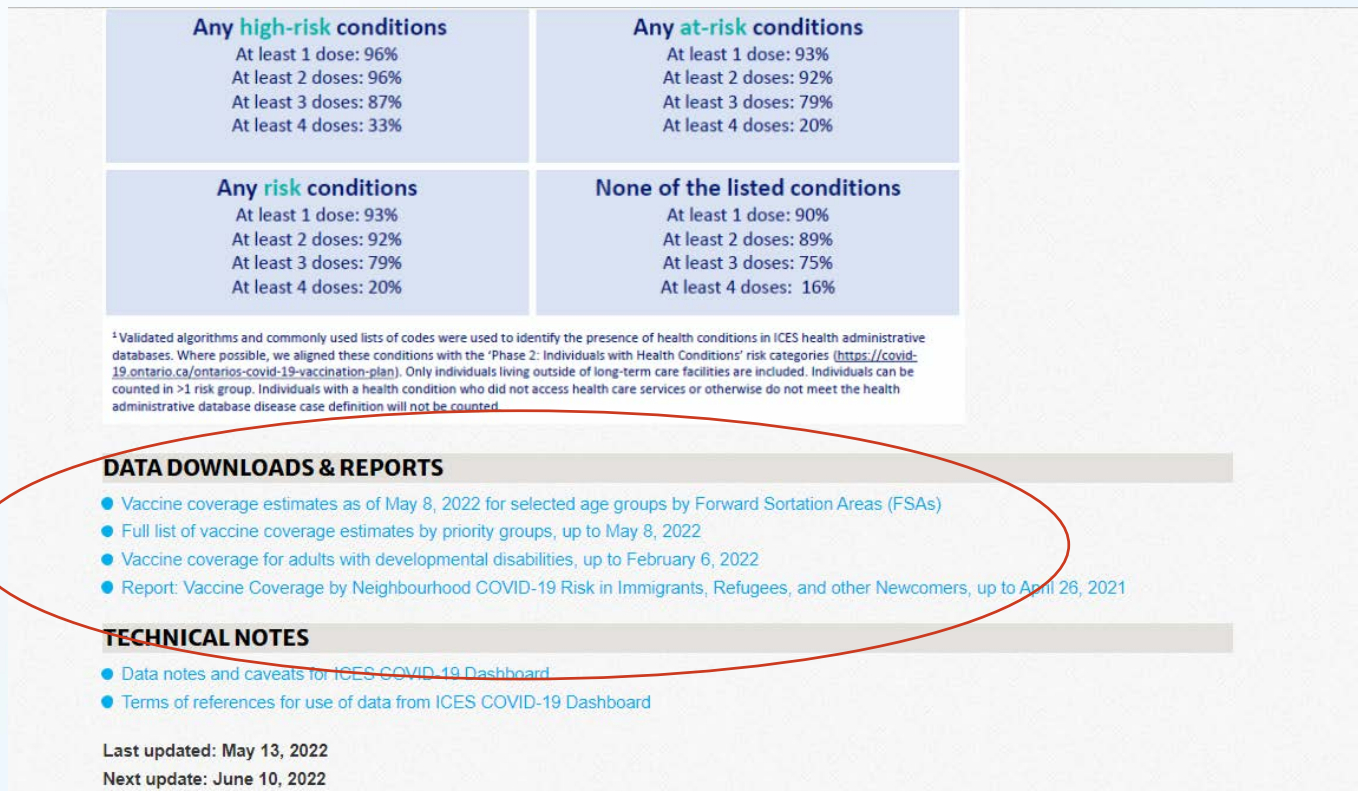
This work is supported by the Ontario Health Data Platform (OHDP), a Province of Ontario initiative to support Ontario's ongoing response to COVID-19 and its related impacts. The opinions, results and conclusions reported in this paper are those of the authors and are independent from the funding sources. No endorsement by the OHDP, its partners, or the Province of Ontario is intended or should be inferred.

<https://www.ices.on.ca/DAS/AHRQ/COVID-19-Dashboard#priority-groups>

Last updated: May 13, 2022
Next update: June 10, 2022



ICES COVID-19 Dashboard



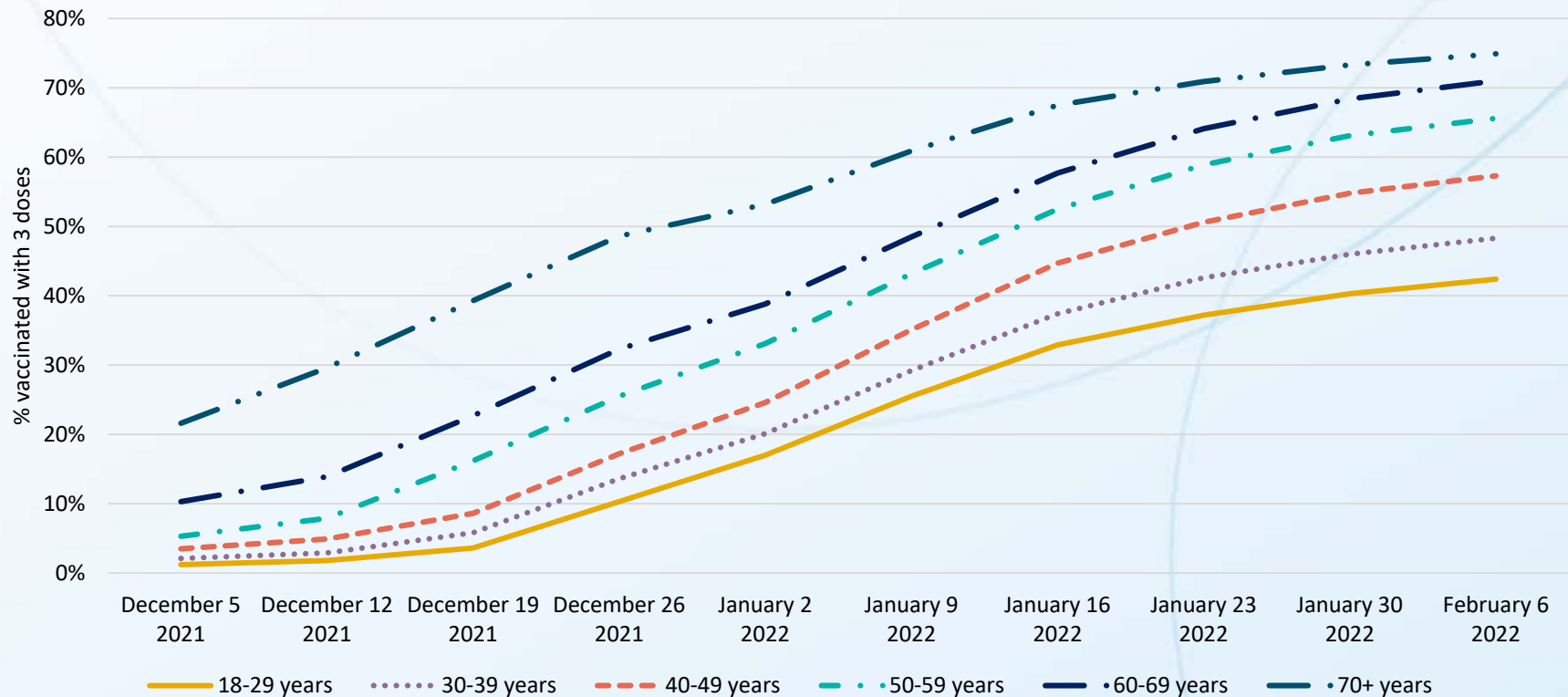
<https://www.ices.on.ca/DAS/AHRQ/COVID-19-Dashboard#priority-groups>

ICES COVID-19 Dashboard

	Individuals with Intellectual and Developmental Disabilities (IDD)			Individuals without Intellectual and Developmental Disabilities (IDD)		
	At least 1 dose (%)	At least 2 doses (%)	Received 3rd Dose (%)	At least 1 dose (%)	At least 2 doses (%)	Received 3rd Dose (%)
5-11 years	49%	19%	N/A	51%	22%	N/A
12-17 years	81%	77%	2%	82%	79%	1%
18-29 years	84%	81%	42%	83%	81%	35%
30-39 years	83%	79%	48%	81%	78%	38%
40-49 years	87%	85%	57%	85%	83%	46%
50-59 years	91%	89%	66%	88%	86%	57%
60-69 years	93%	91%	71%	90%	89%	69%
70+ years	95%	92%	75%	93%	91%	77%

ICES COVID-19 Dashboard

Vaccination (3 dose) in adults 18+ with Intellectual and Developmental Disabilities



ICES AHRQ: Physical and Sensory Disabilities

Through the Applied Health Research Question (AHRQ), ICES has been providing COVID-19 related outputs to the Ministry of Children, Community and Social Services (MCCSS) throughout the pandemic.

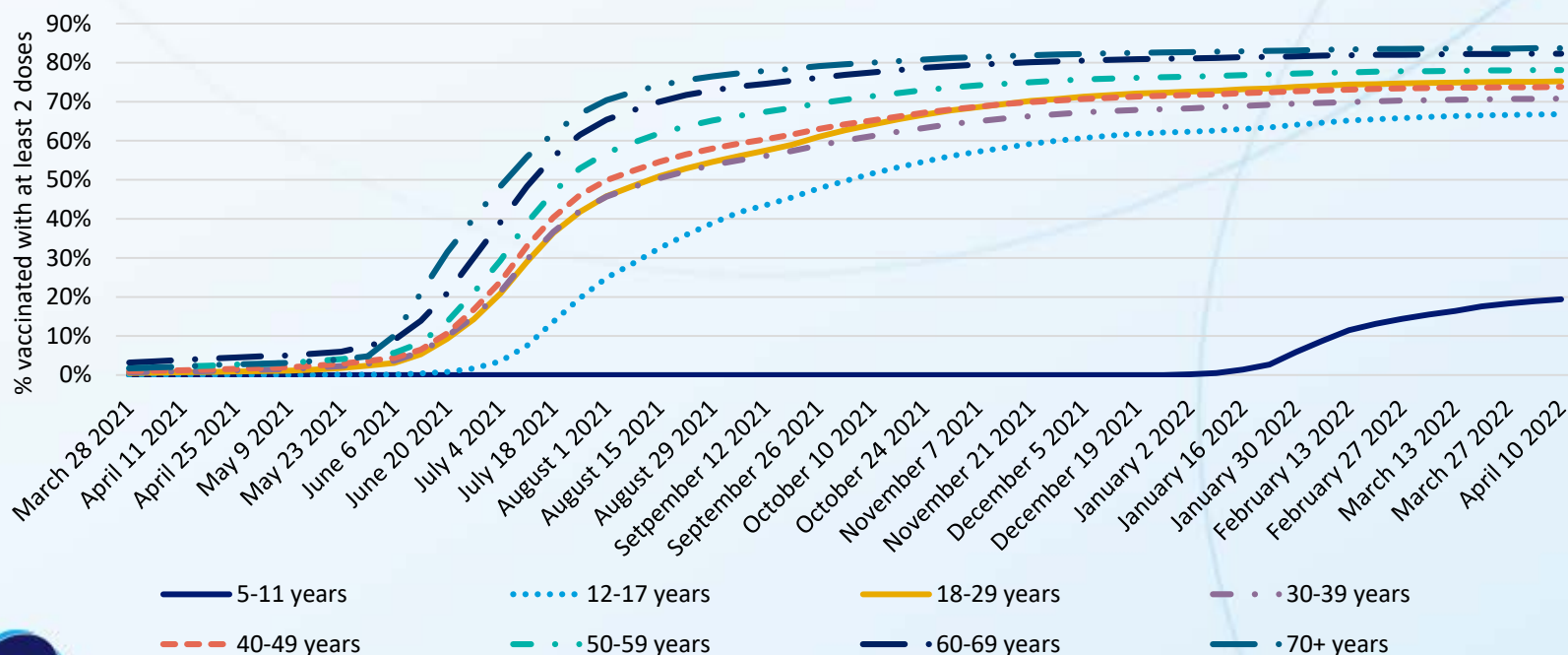
	At least 1 dose (%)	At least 2 doses (%)
Adults with a physical disability	86%	82%
Without a physical disability	81%	75%
Adults with a hearing disability	87%	83%
Without a hearing disability	82%	77%
Adults with a vision disability	87%	84%
Without a vision disability	82%	77%

Data as of September 26, 2021

ICES AHRQ: ODSP

Through the Applied Health Research Question (AHRQ), ICES has been providing COVID-19 related outputs to the Ministry of Children, Community and Social Services (MCCSS) throughout the pandemic.

Vaccination (2+ dose) in ODSP recipients



Applied Health Research Question (AHRQ) program at ICES

- An AHRQ is “a question posed by a health system policy maker or provider in order to obtain research evidence to inform planning, policy and program development that will benefit the broader Ontario health system.” – Ontario Ministry Of Health
- Previous and ongoing AHRQ projects are listed on the ICES website
- Eligible ‘Knowledge Users’ or Ontario based, publicly funded organizations may submit a request seeking data to inform health care planning, policy or evaluation.

Thank you

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