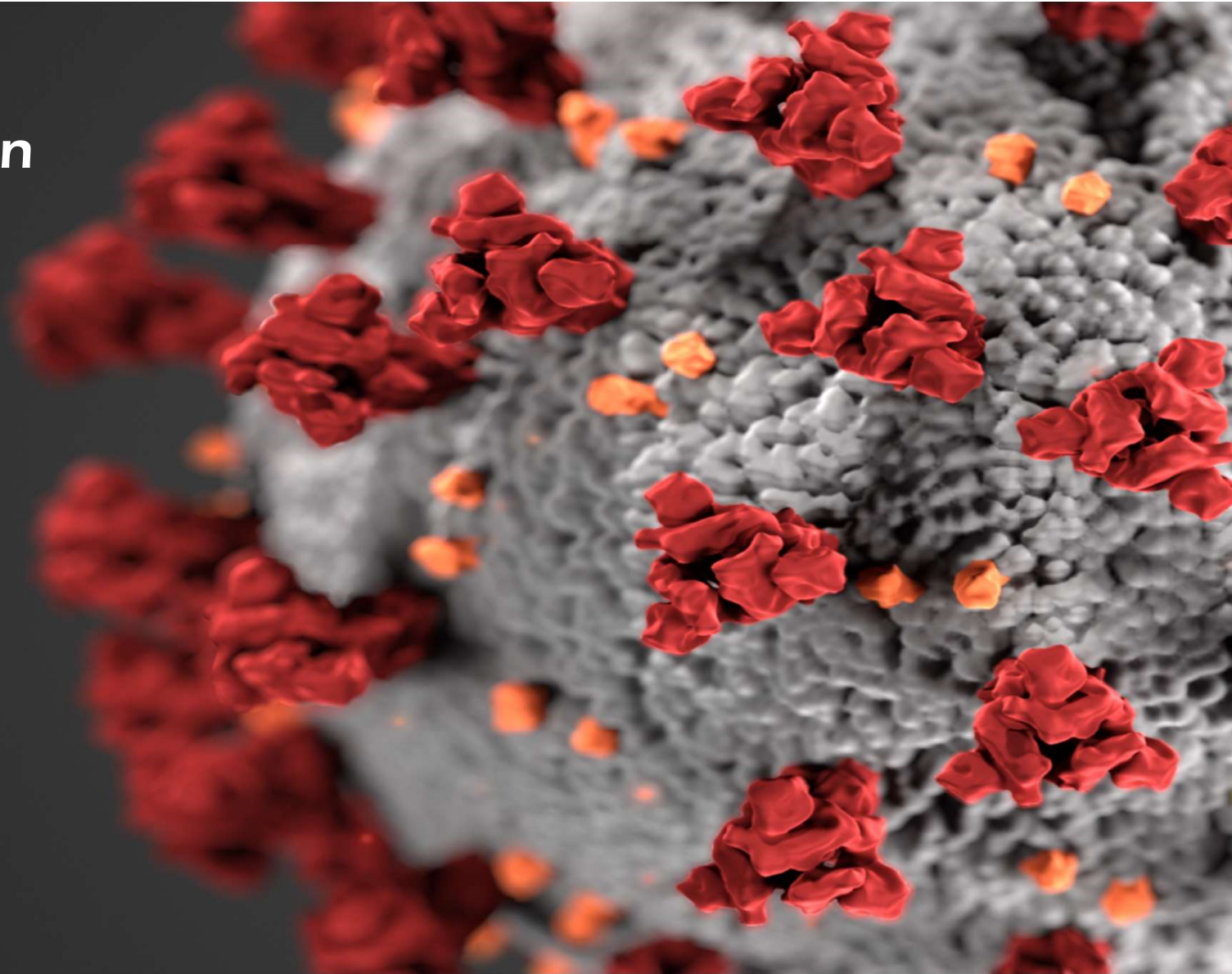


COVID-19 Decision Support System

Better Decisions Save Lives &
Speed Economic Recovery

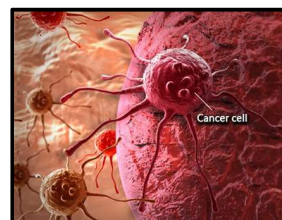
scarsin



Global Leader in Disease Decision Support

scarsin

- Markham, founded in 2002, ~30 employees
- Global scaled forecasting for complex decision making about diseases and treatments
 - Collaborate across 50 countries
 - >600 solutions in > 100 diseases
 - Make multi-billion dollar decisions
- 15+ years serving global life sciences leaders, 98% international sales
- Proven forecasting platform ready for Canada



Cancer



Cardiovascular



Infectious Diseases

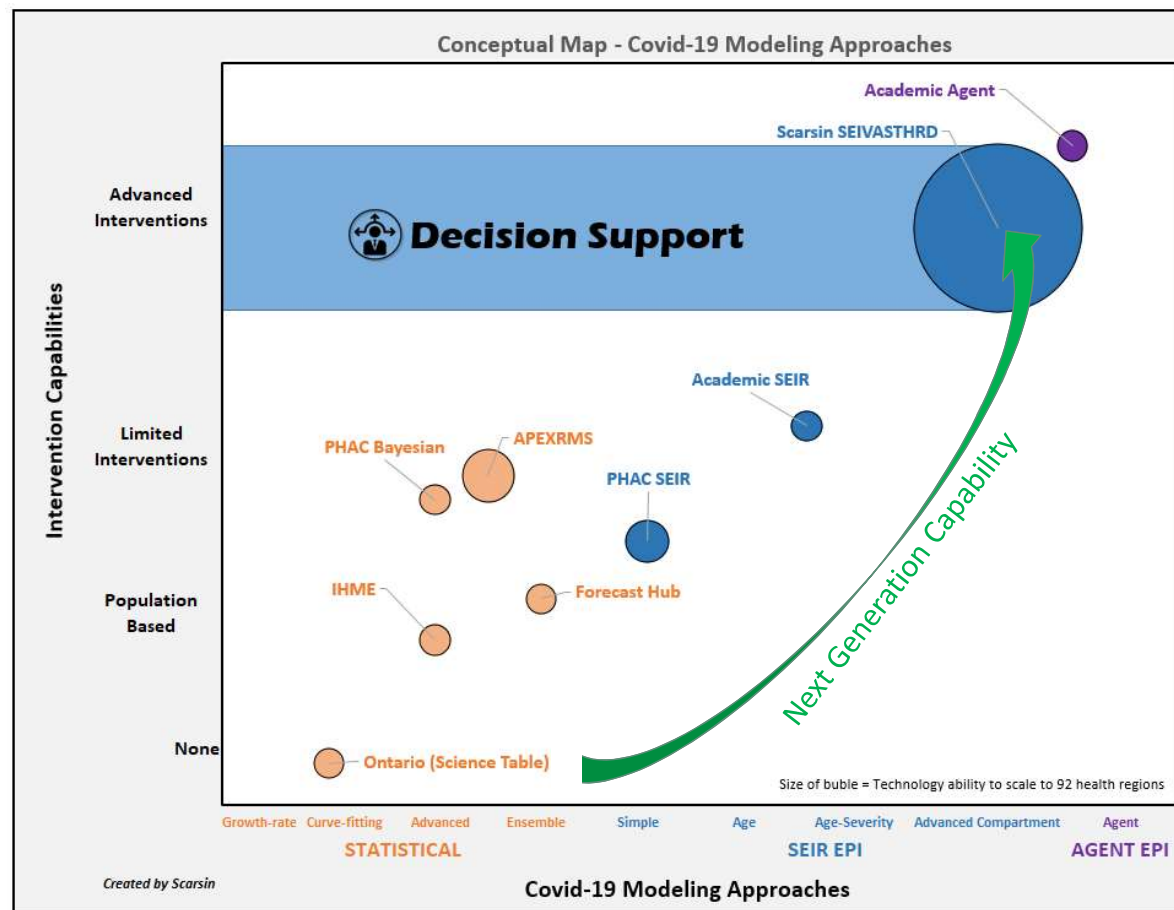
Answered Canada and Ontario call for innovation
Deploy a National Covid-19 Decision Support System

Modeling Approach Matters!

scarsin

- Next generation decision support
- MUST HAVE the capability to run robust scenarios at the health region level
- Scarsin is unique in its offering and is ready to help immediately
 - System has been running for months

PHAC SEIR - <https://nccid.ca/phac-seir-model-on-covid-19/>
 PHAC Bayesian - <https://www.medrxiv.org/content/10.1101/2020.04.17.20070086v1>
 IHME - <https://covid19.healthdata.org/canada?view=total-deaths&tab=trend>
 APEX RMS - <https://apexrms.com/covid-19-modeling/>
 Ontario Science Table - <https://covid19-sciencetable.ca/>
 Forecast Hub - <https://github.com/reichlab/covid19-forecast-hub>
 Forecast Hub - <https://covid19forecasthub.org/#:~:text=The%20COVID%2D19%20Forecast%20Hub,globe%2C%20in%20coordination%20with%20CDC.>



Scarsin Decision Support System

- Robust epidemiology model (measures patient dynamics and integrated impacts)
- Measures more than 70 different input parameters (schools, universities, community, infection transmission probability, vaccines...)
- Capable of directly measuring the impact of interventions
- Built from the bottom up for all 34 Ontario PHU
- Supported by a robust forecasting platform and web dashboard to provide insights
- More than 9,000 hours of development being constantly updated with enhancements, fully funded by Scarsin
- **Represents pandemic Best Practices to inform decision makers**
- **Ontario Together Fund received Scarsin Business Case on May 25, 2020, no response from the province on its status (250+ days)**
- Forecasts in this report represent one potential outcome based on a series of assumptions and should not be viewed predictions
- Historical case data comes from <https://covid-19.ontario.ca/data>

Decision Support for High Velocity & Impact Decision Making

CANADA

35.5M



Susceptible

190 K



Infected

1.8M



Recovered

100k



Vaccinated

Non-Pharmaceutical Interventions



Masks



Social Distancing



Avoidance



Lockdowns

Infection Locations



Home



Congregate



School



Univ/College



Workplace



Community



Travel

Human Factor



Fatigue



Compliance

**Decision Support System
enable real world dynamics**

Healthcare System



Hospital



Staffing



Beds



Equip



Drugs

Mortality



Deaths

Vaccine



Vaccine



Deployment

Virus / Disease



Virus



Variants



Transmission



Immunity

Pandemic Impact



Economy

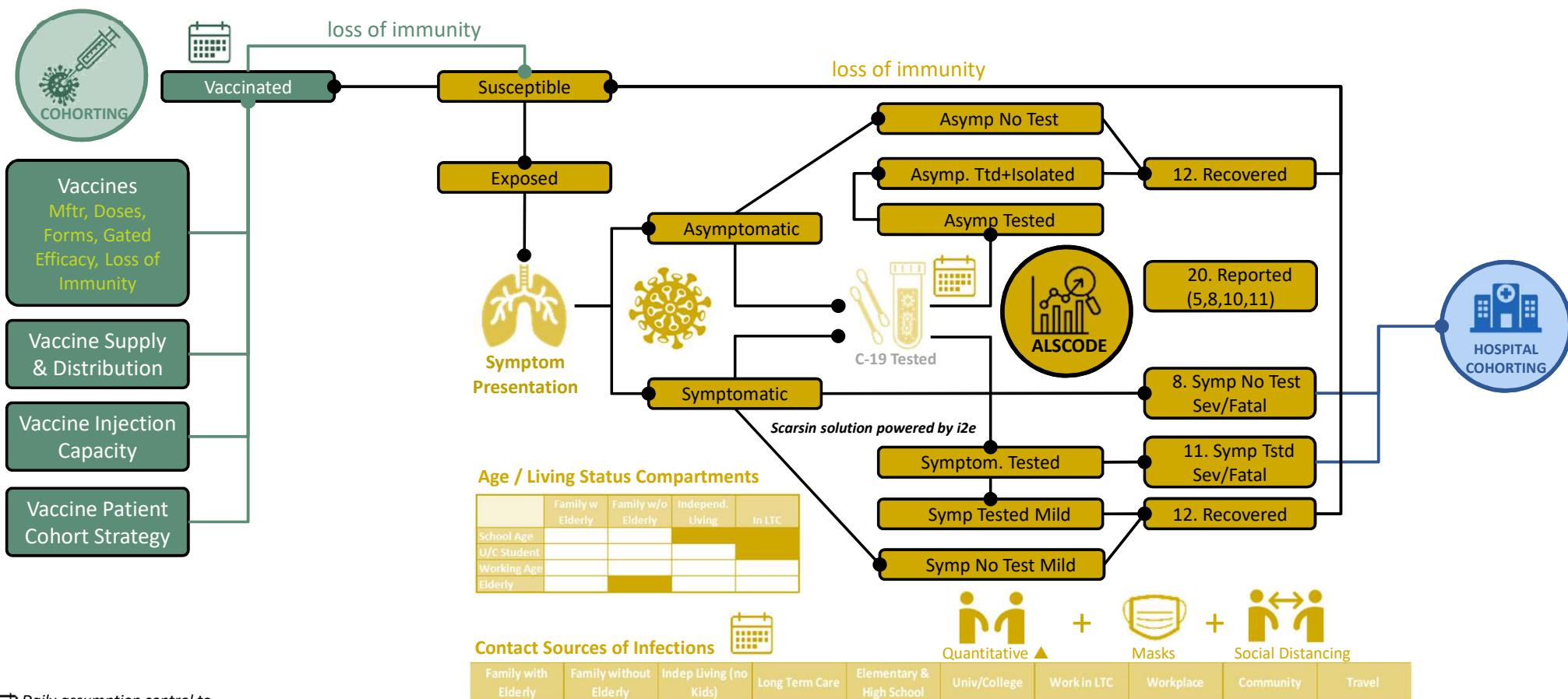


Deficits



Society

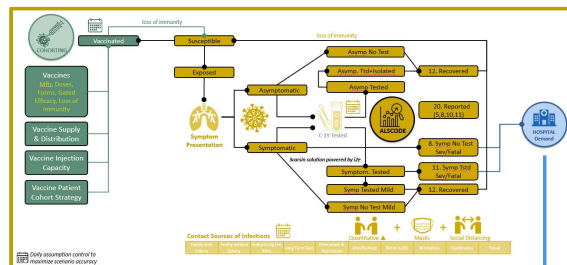
Integrated Models



Daily assumption control to maximize scenario accuracy

Detailed View of Hospital Approach

Public Health Age-Living Status Compartmental ODE



Capacity Planning



Demand Planning



Staff



Beds



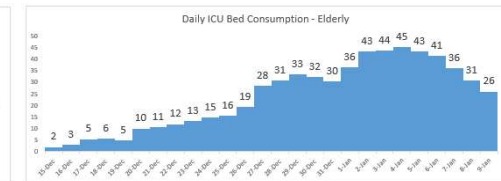
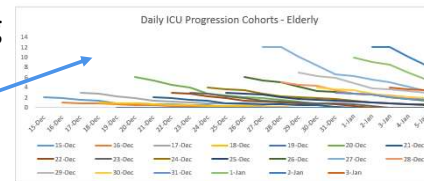
Equip



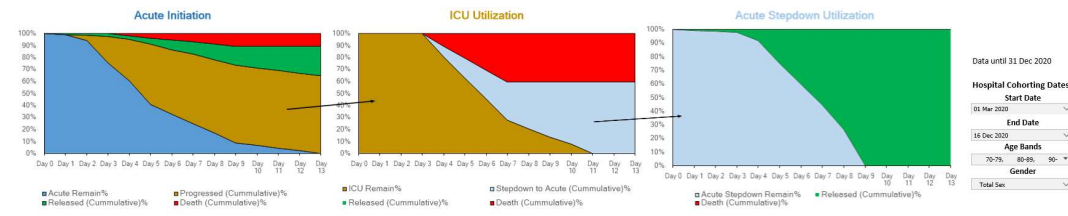
Drugs

Gap Analysis

Age/Risk Compartmental Daily Patient Progression / Consumption Modeling



Daily Patient admission "demand"



EMR/EHR
Anonymized
Transactions



Anonymized Patient
Longitudinal Database (PLD)



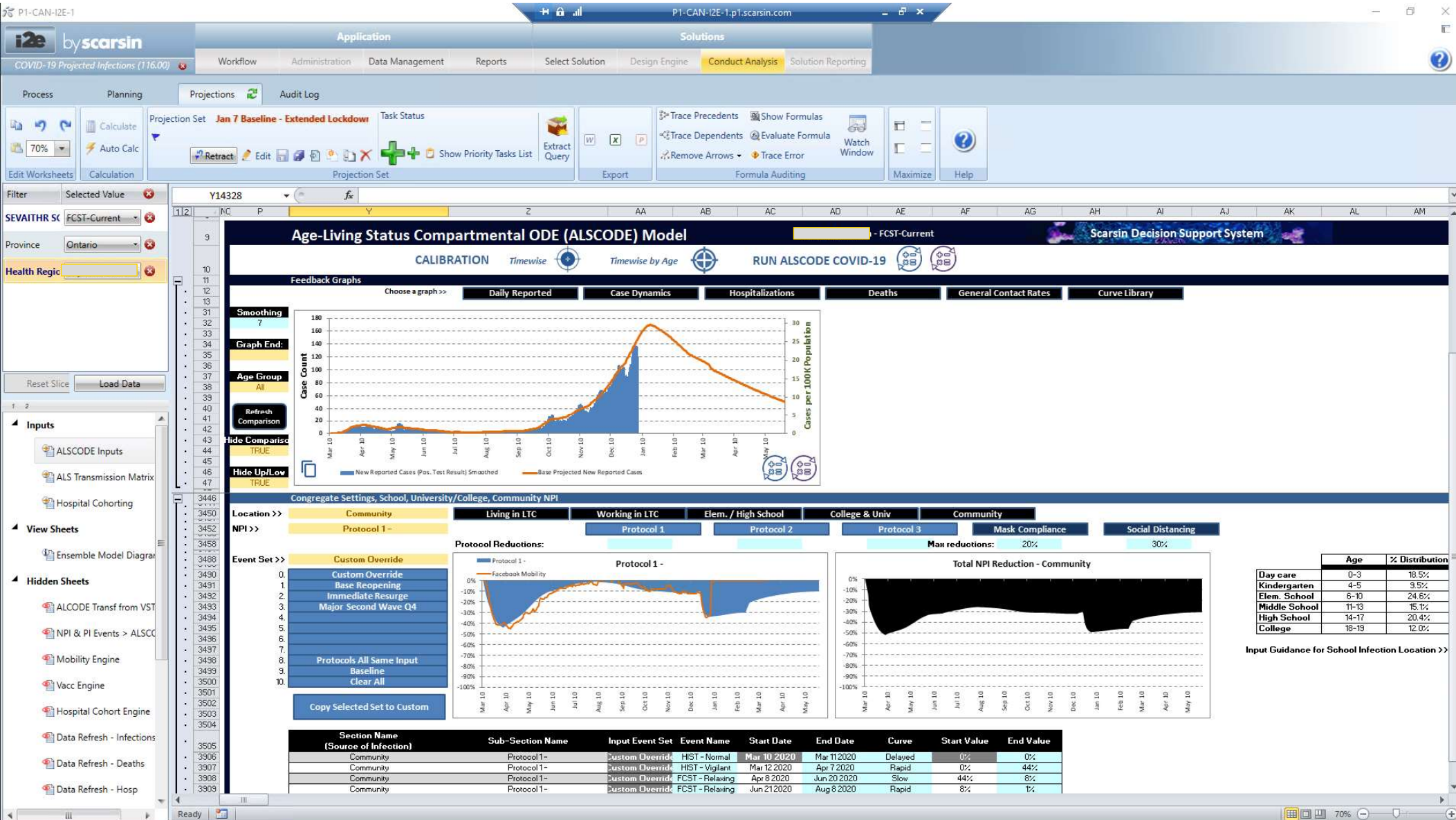
Beds



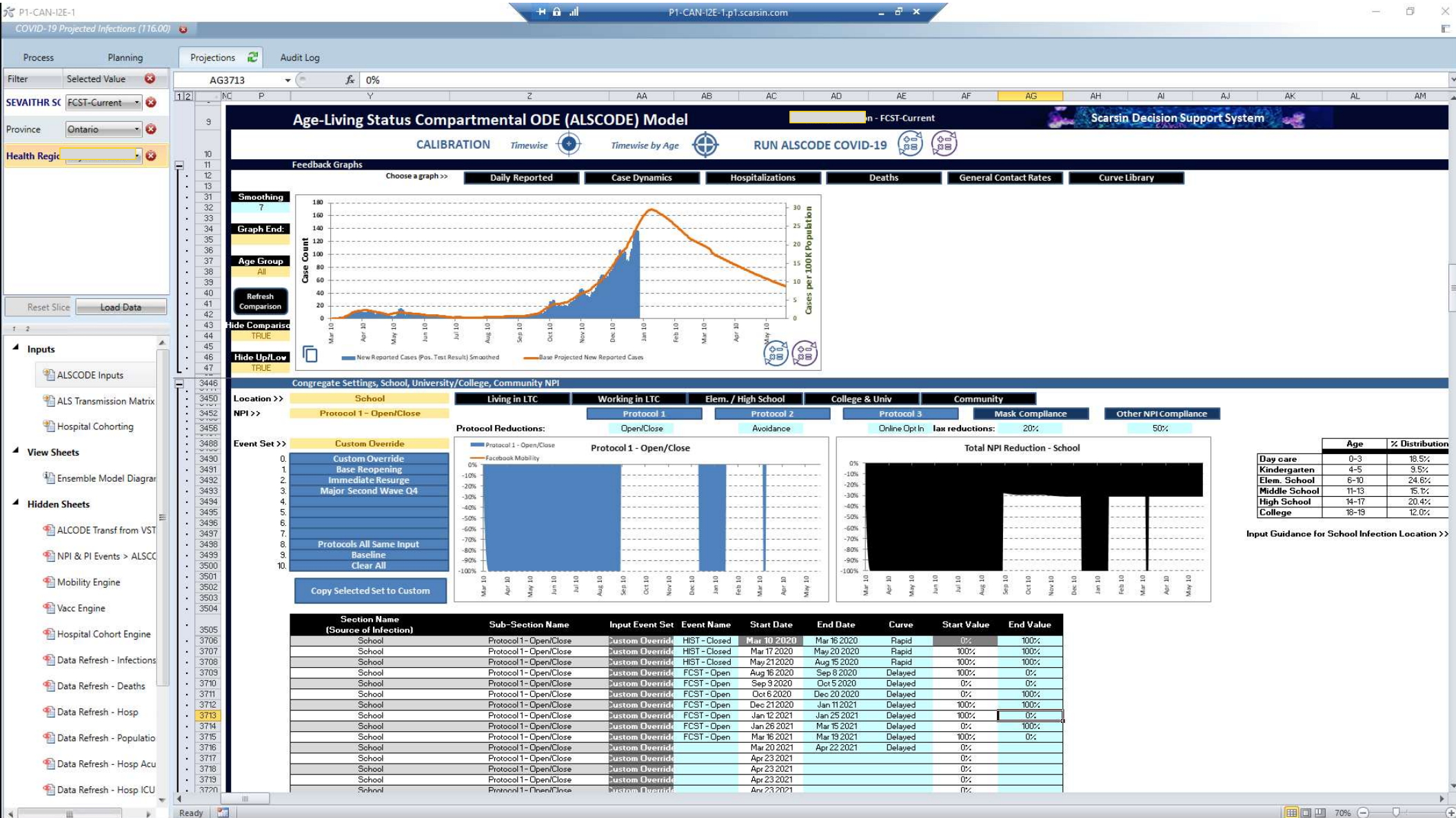
Equip



Drugs







General Ontario Insights

- Pre-lockdown activity acted like pouring gasoline on transmission right before lockdown
- Holiday surge is most pronounced in Ontario and Saskatchewan
- Holiday surge should work its way through the incubation and testing cycle by late January
- Lockdown impact should start to kick in for February
- Assume a lockdown until the end of February, but some PHUs will require longer
- Vaccine impact is limited in this time frame for Reported cases based on the time to immunity and scale of vaccinations
- Deeper impact of vaccinations on healthcare capacity and mortality in a separate analysis
- Additional impact to B117 increased risk in other scenarios
- Additional measures announced by the province on Jan 12 to be implemented within days

Table of Contents

Scarsin Covid-19 Decision Support System

Read Only



Decision Framework



ALSCODE & Hospital Model

Schematic of the Covid-19 patient flow



Scarsin Solution Architectures

Schematic of the various i2e components

Interactive



Regional Insights



Time to Quarantine

Evaluate timing trends in covid-19 patient cycle



Regional Comparison

Compare selected volumes by Health Region



Health Region Comparison

Contrast the volume and per capita by Health Region



Health Region 3D Plotting

Displays selected measures for selected health regions

Interactive



Forecast Insights



Forecast Triangulation

Align Data, Statistics and Forecasts



Covid-19 Dynamics

Broad metrics within the Covid-19 forecasts



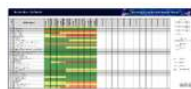
NPI Infectious Contact Reductions

Infectious contact reductions linked to the forecast



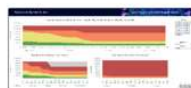
Forecast Comparisons

Compare forecasts across inputs and results



Restrictions By Week

View restrictions by health region



Population by Restriction

Compare restrictions by Province/Territory



Restriction Summary

Detailed description of the restrictions

Interactive



Health Region Alerts



Provincial Health Region Alerts

By Health Region - Reported, Hospitalized, Deaths



Health Region Mapping

Visual Overview of Infection by Health Region



Hospital Bed Gap Analysis

Analysis of Acute and ICU capacity vs forecast demand

scarsin

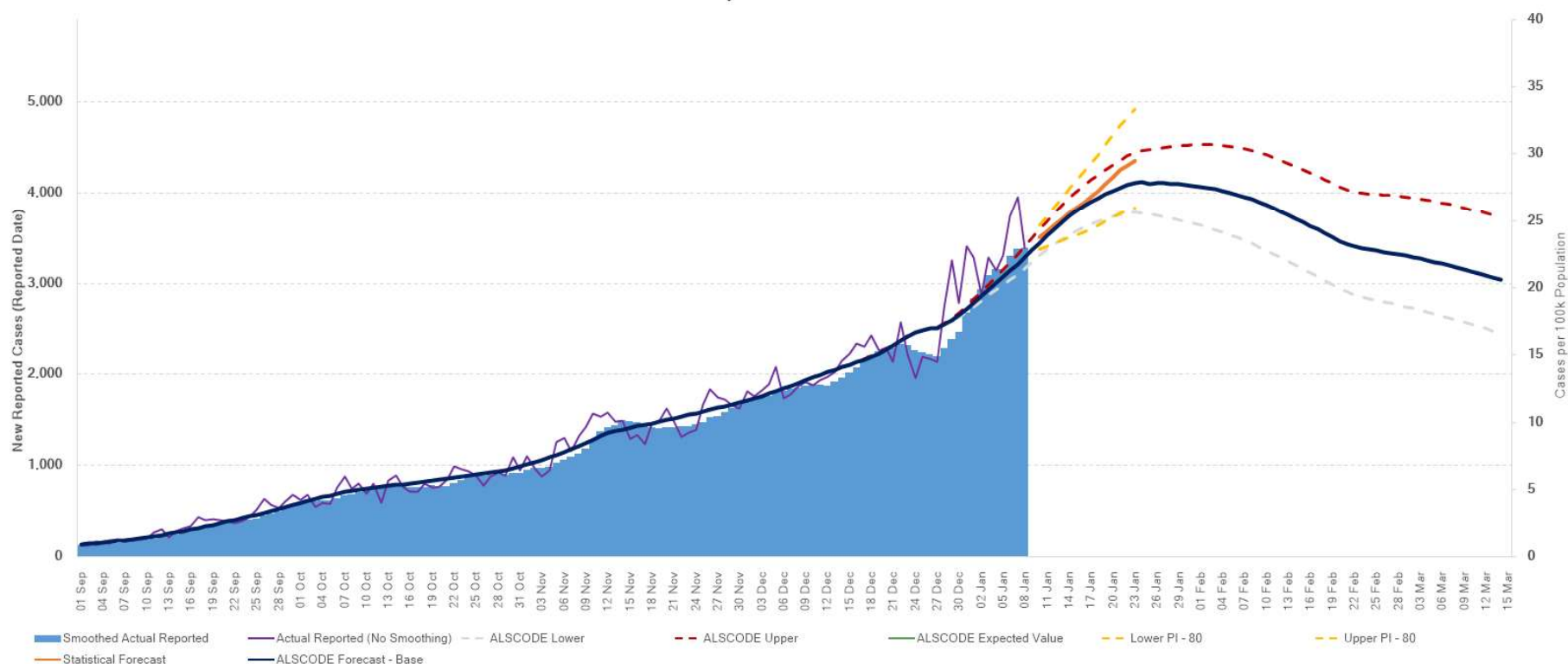


Covid-19 Decision Support System
Saving Lives, Speeding Economic Recovery

Statistical & ALSCODE Forecast Triangulation - Ontario

Scarsin Covid-19 Decision Support System

New Reported Cases - Ontario



Start Date
01 Sep 2020

End Date
15 Mar 2021

Forecast
FCST-Current

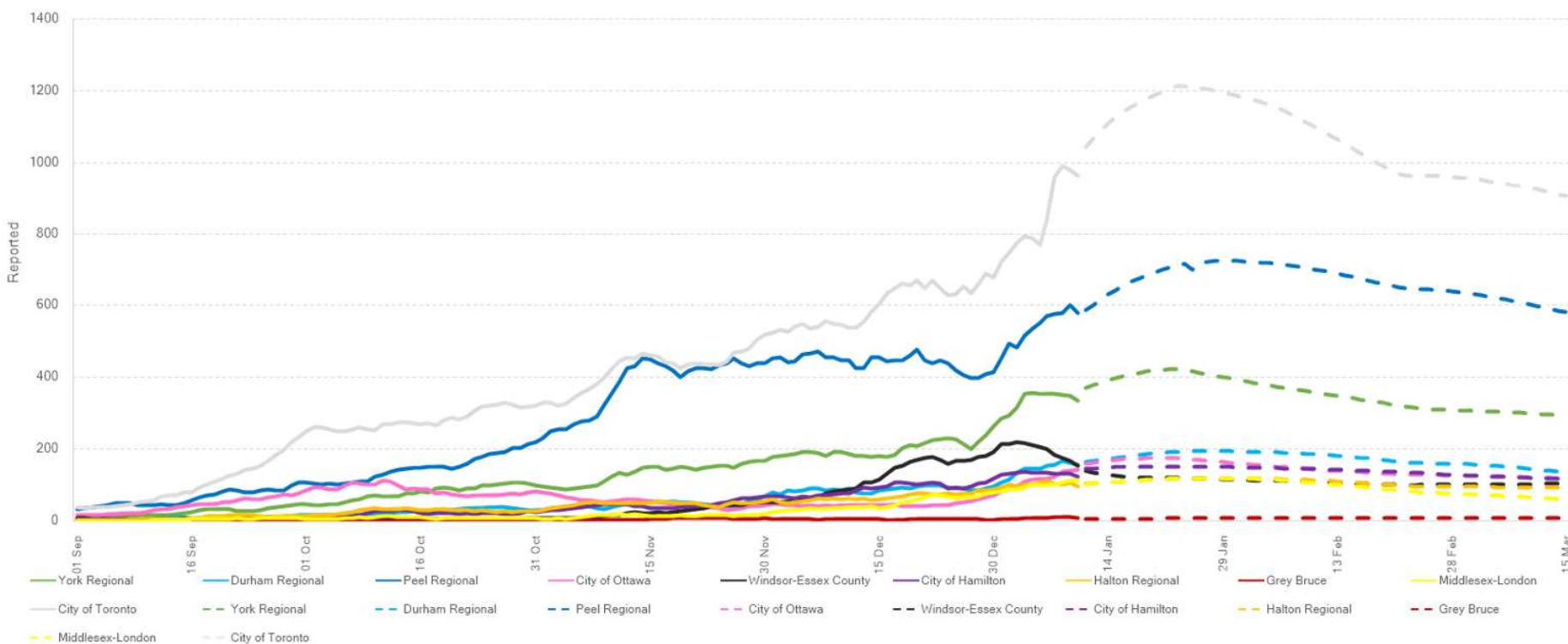
Range
Base
Lower
Upper
Expected Value

Smoothing
No Smoothing

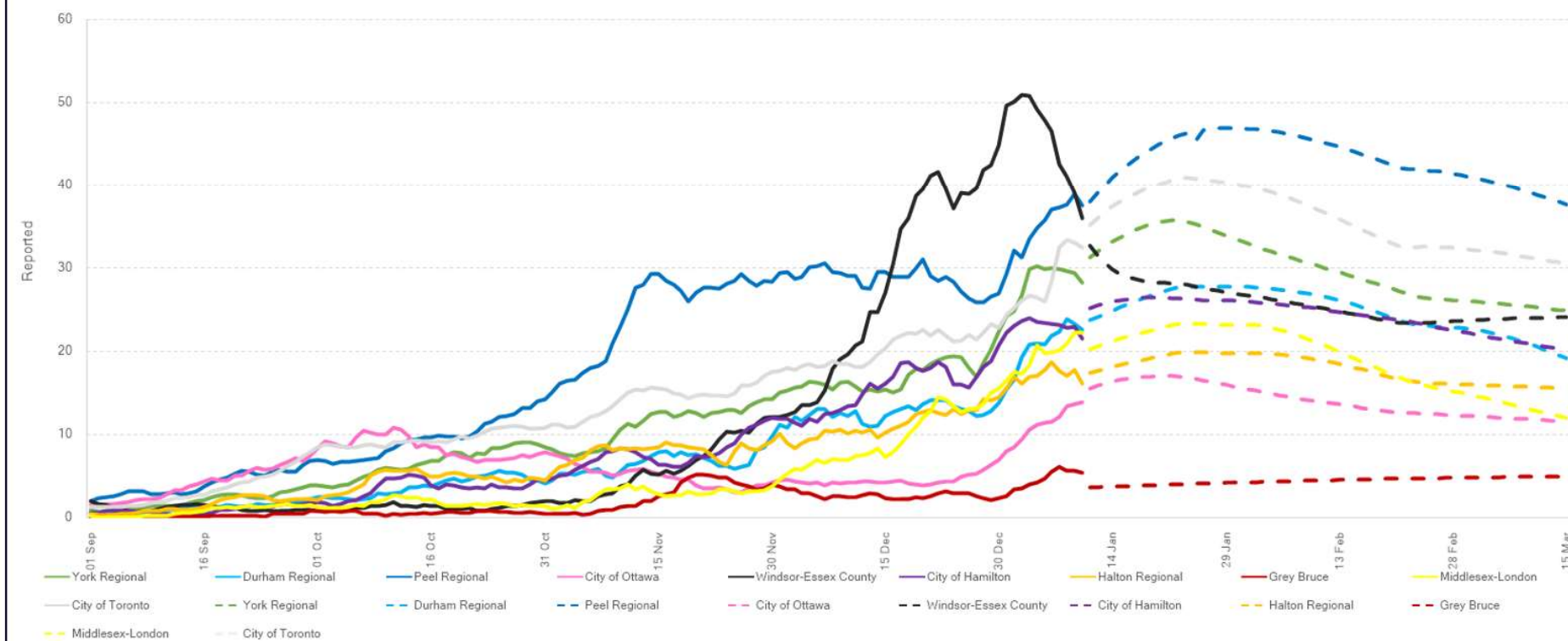
Province
Canada

Health Region
Canada
Ontario
Central LHIN
York Regional
Central East LHIN
Durham Regional
Haliburton, Kawartha,
Hastings and Prince E
Peterborough County-
Central West LHIN
Peel Regional
Champlain LHIN
City of Ottawa
Renfrew County and C
Erie St. Clair LHIN
Chatham-Kent
Lambton
Southwestern
Windsor-Essex County
Hamilton Niagara Hald
Haldimand-Norfolk
City of Hamilton
Niagara Regional Area
Brant County

Note: 7 Day Right Smoothing



Scarsin Covid-19 Decision Support System



Act+FCST

01 Sep 2020

15 Mar 2021

FCST-Current

7 Days Smoothing

Canada

Canada

Canada

Ontario

- Central LHIN
- York Regional
- Central East LHIN
- Durham Regional
- Haliburton, Kawartha,
Hastings and Prince Edward
- Peterborough County-
- Central West LHIN
- Peel Regional
- Champlain LHIN
- City of Ottawa
- Renfrew County and District
- Erie St. Clair LHIN
- Chatham-Kent
- Lambton
- Southwestern

Reported

Reported	Reported per 100K
----------	----------------------

Deaths	Deaths
--------	--------

Deaths per 100K

Facebook Google

Mobility Workplace

Note: Max 10 Selections

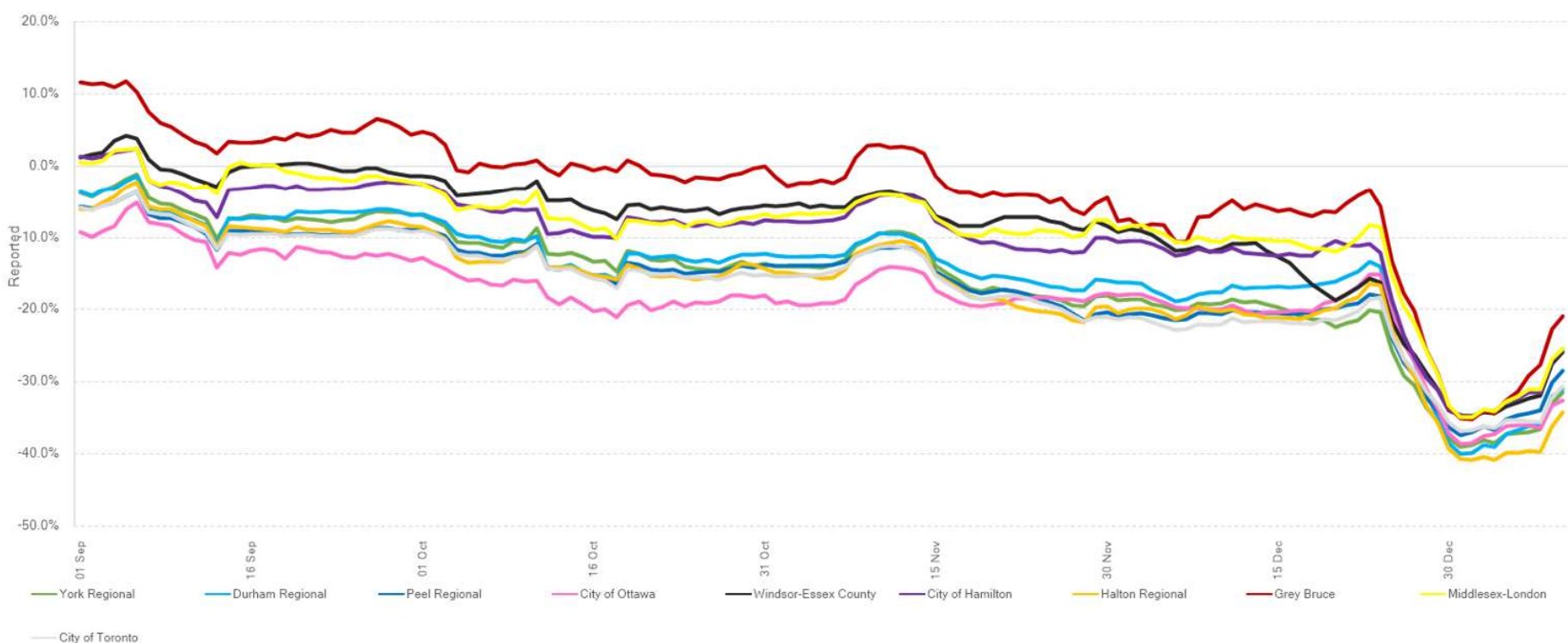
Home TOC Back 5

Home TOC Back

Regional Comparison

Scarsin Covid-19 Decision Support System

Regional Comparison - FCST-Current - 7 Days Smoothing - Act+FCST Facebook Mobility



View: Act+FCST

Start Date: 01 Sep 2020

End Date: 10 Jan 2021

Forecast: FCST-Current

Smoothing: 7 Days Smoothing

Region: Canada

Health Region: Ontario, Central LHIN, York Regional, Central East LHIN, Durham Regional, Haliburton, Kawartha, Hastings and Prince Edward, Peterborough County, Central West LHIN, Peel Regional, Champlain LHIN, City of Ottawa, Renfrew County and District, Erie St. Clair LHIN, Chatham-Kent, Lambton, Southwestern

Measure: Reported, Reported per 100K, Deaths, Deaths per 100K, Facebook Mobility, Google Workplace

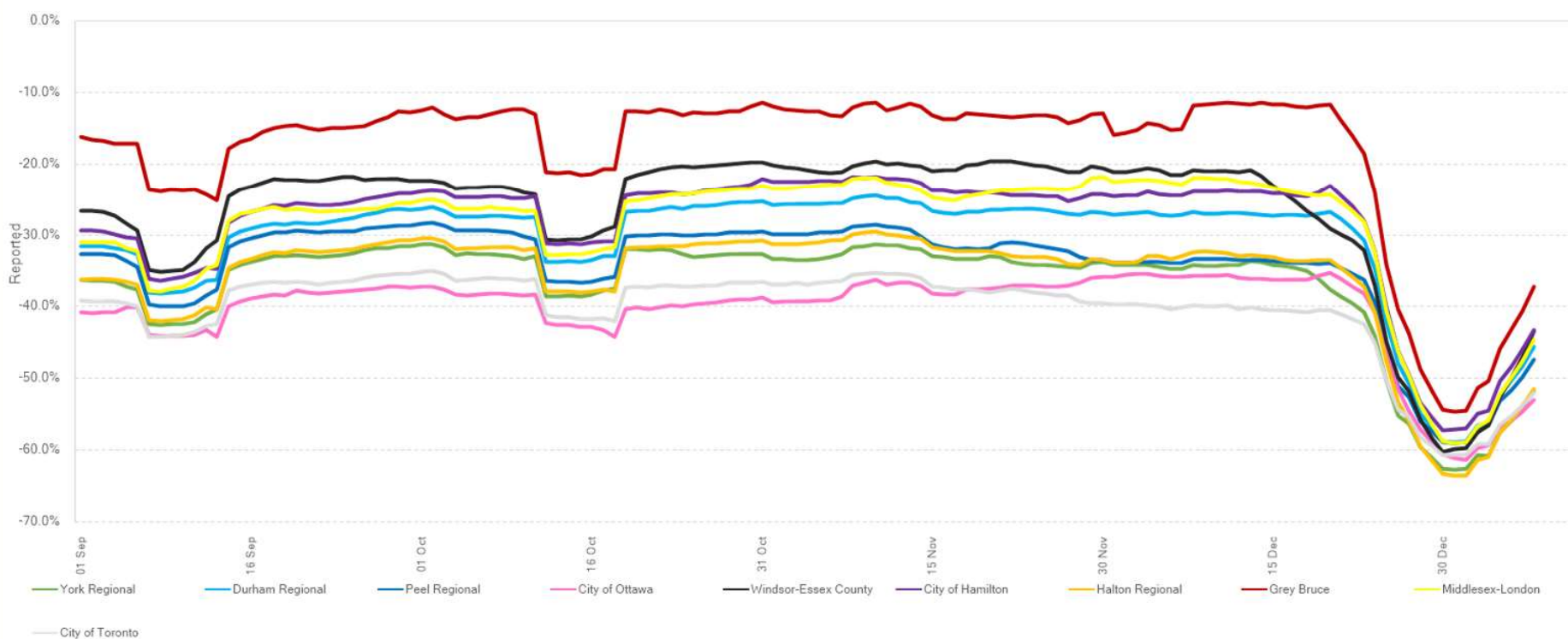
Note: Max 10 Selections

Home TOC Back Forward

Regional Comparison

Scarsin Covid-19 Decision Support System

Regional Comparison - FCST-Current - 7 Days Smoothing - Act+FCST Google Workplace



View

Act+FCST

Start Date

01 Sep 2020

End Date

10 Jan 2021

Forecast

FCST-Current

Smoothing

7 Days Smoothing

Region

Canada

Health Region

- Canada
- Ontario
 - Central LHIN
 - York Regional
 - Central East LHIN
 - Durham Regional
 - Haliburton, Kawartha, Hastings and Prince Et
 - Peterborough County
 - Central West LHIN
 - Peel Regional
 - Champlain LHIN
 - City of Ottawa
 - Renfrew County and C
 - Erie St. Clair LHIN
 - Chatham-Kent
 - Lambton
 - Southwestern

Measure

- Reported
- Reported per 100K
- Deaths
- Deaths per 100K
- Facebook Mobility
- Google Workplace

Note: Max 10 Selections

Regional Mobility Analysis

Scarsin Covid-19 Decision Support System



Start Date
01 Sep 2020

End Date
31 Jan 2021

Smoothing
7 Days Smoothing

Region
Canada

Health Region

- Canada
- Ontario
 - Central LHN
 - York Regional
 - Central East LHN
 - Durham Regional
 - Haliburton, Kawartha, Hastings and Prince Edward
 - Peterborough County
 - Central West LHN
 - Peel Regional
 - Champlain LHN
 - City of Ottawa**
 - Renfrew County and District
 - Erie St. Clair LHN
 - Chatham-Kent
 - Lambton
 - Southwestern
 - Windsor-Essex County
 - Hamilton Niagara Haldimand-Norfolk
 - City of Hamilton
 - Niagara Regional Area
 - Brant County
 - Mississauga Halton LHN
 - Halton Regional
 - North East LHN
 - North Bay Parry Sound

Measure

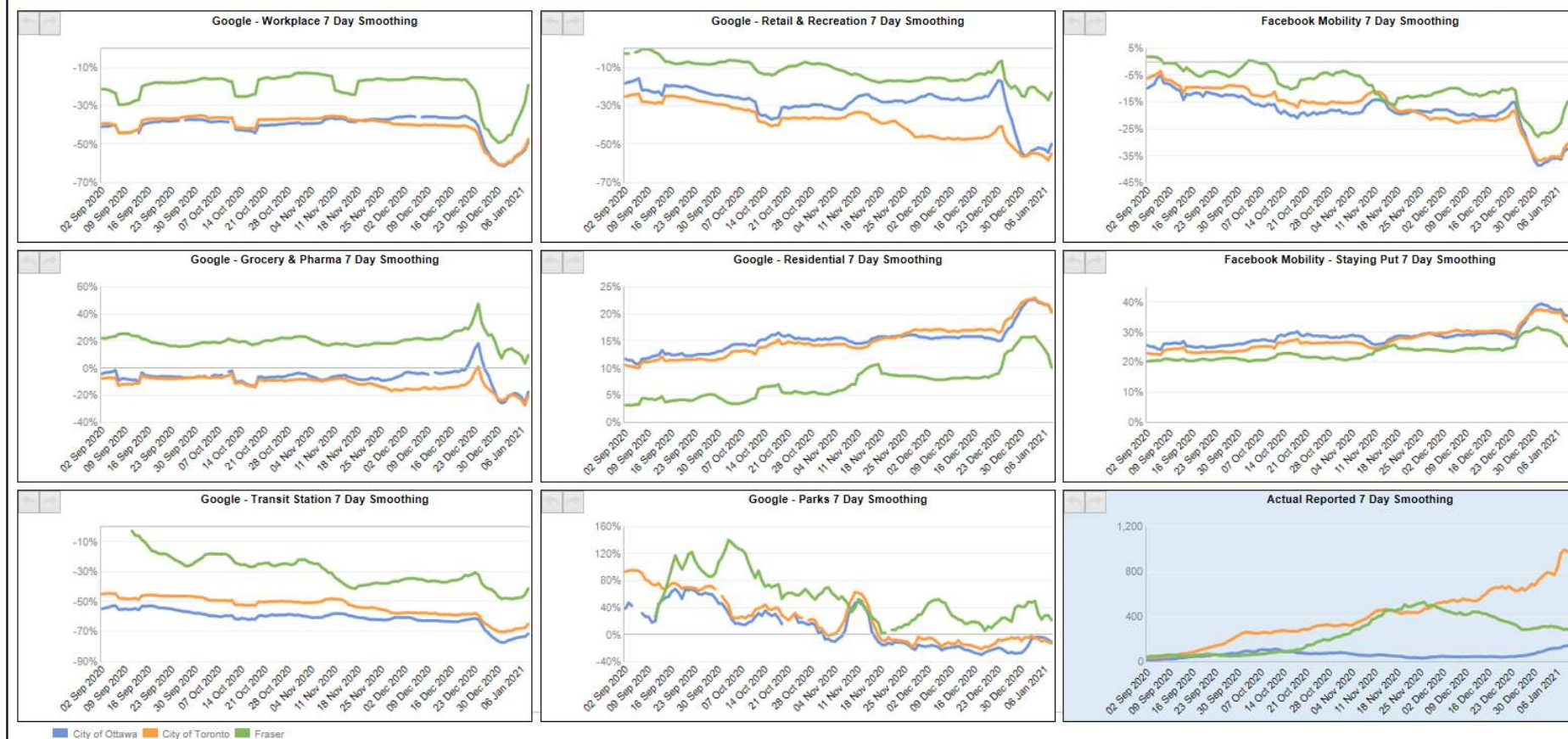
Reported **Reported per 100K**

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Note: Max 10 Selections

Home TOC Back Forward

Regional Mobility Analysis

Scarsin Covid-19 Decision Support System



Start Date
01 Sep 2020

End Date
31 Jan 2021

Smoothing
7 Days Smoothing

Region
Canada

Health Region
Canada
Ontario
Central LHIN
York Regional
Central East LHIN
Durham Regional
Haliburton, Kawartha, Hastings and Prince Edward
Peterborough County
Central West LHIN
Peel Regional
Champlain LHIN
City of Ottawa
Renfrew County and District
Erie St. Clair LHIN
Chatham-Kent
Lambton
Southwestern
Windsor-Essex County
Hamilton Niagara Haldimand-Hurontario
City of Hamilton
Niagara Regional Area
Brant County
Mississauga Halton LHIN
Halton Regional
North East LHIN
North Bay Parry Sound

Measure
Reported
Reported per 100K

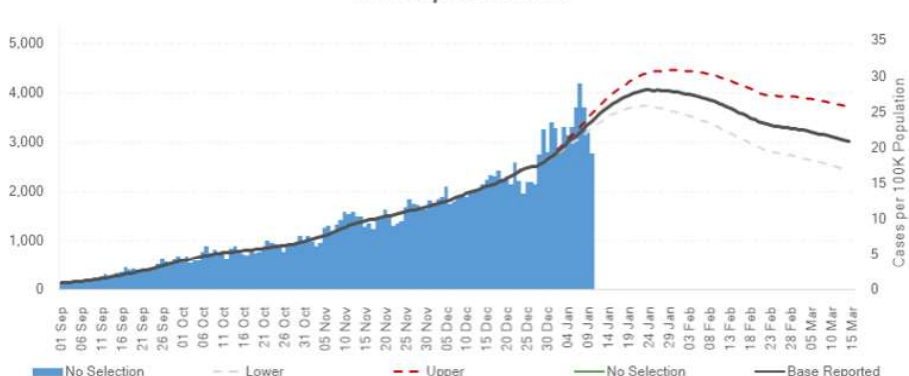
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Note: Max 10 Selections

Home TOC Back Forward

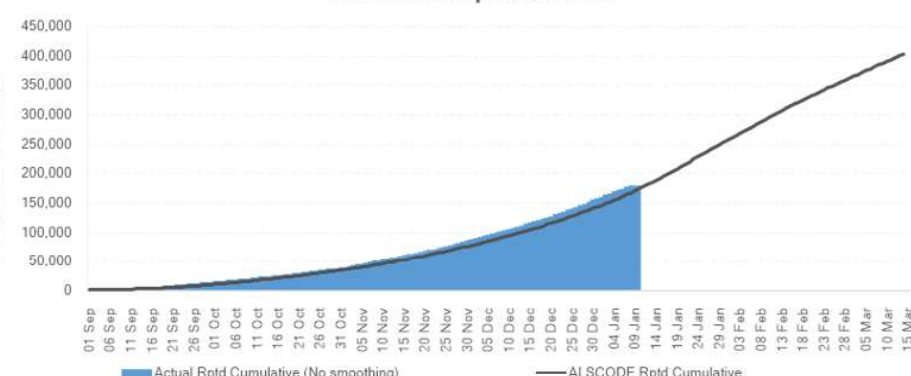
COVID-19 Dynamics - Ontario

Scarsin Covid-19 Decision Support System

New Reported Cases



Cumulative Reported Cases



Start Date
01 Sep 2020

End Date
15 Mar 2021

Forecast
FCST-Current

Age Group
All

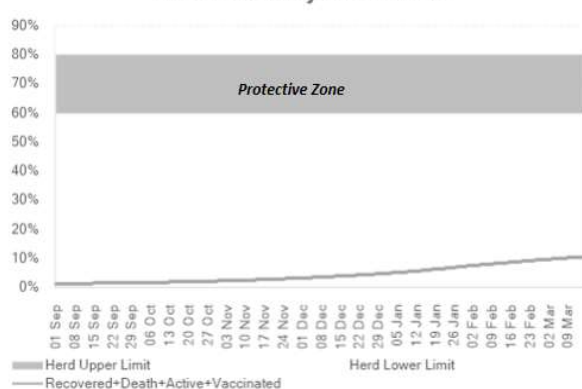
Reported/Deaths
Reported Death

Range
Base, Lower, Upper

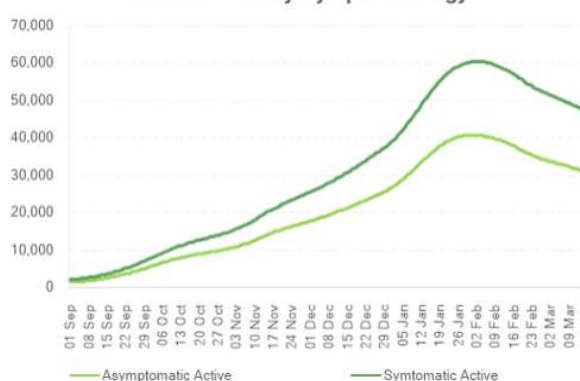
Smoothing
No smoothing

Region
Canada

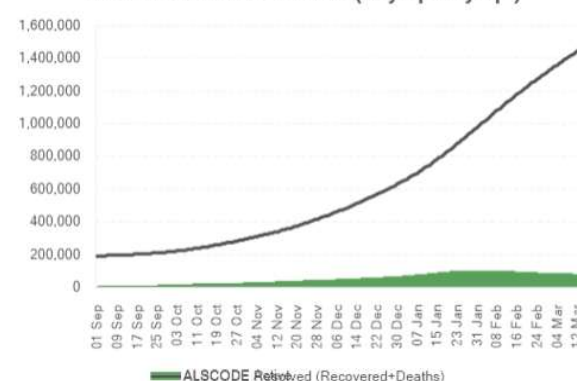
HERD Immunity Assessment



Active Cases by Symptomatology



Resolved vs Active Cases (Asympt+Sympt)

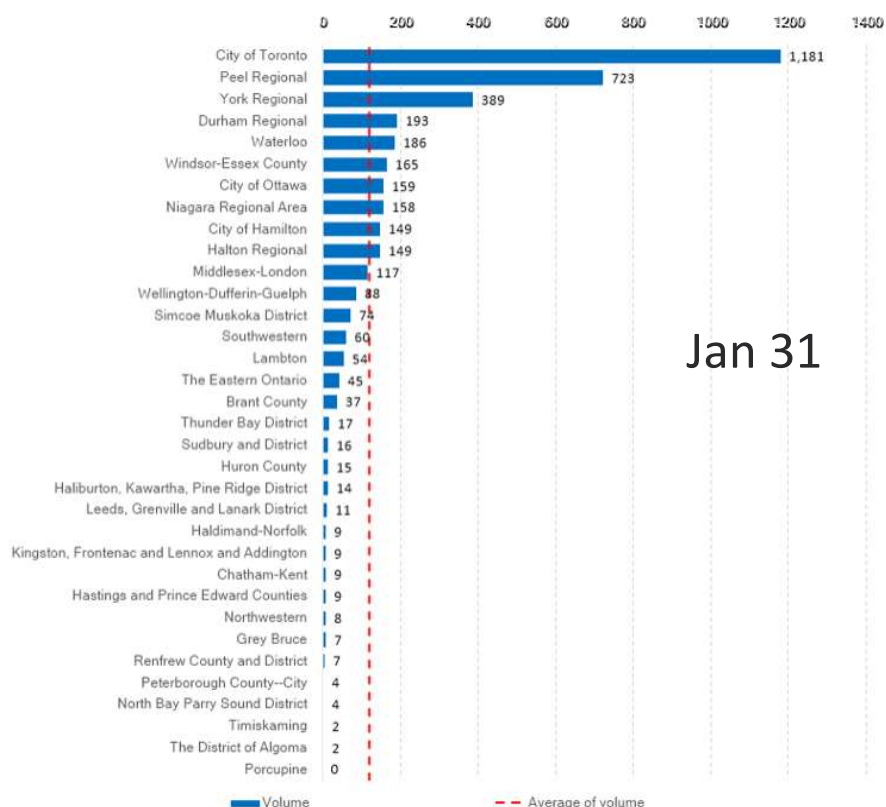


- Health Region
- Canada
 - Ontario
 - Central LHIN
 - York Regional
 - Central East LHIN
 - Durham Regional
 - Haliburton, Kawartha, Hastings and Prince Edward
 - Peterborough County
 - Central West LHIN
 - Peel Regional
 - Champlain LHIN
 - City of Ottawa
 - Renfrew County and District
 - Erie St. Clair LHIN
 - Chatham-Kent
 - Lambton
 - Southwestern
 - Windsor-Essex County
 - Hamilton Niagara Haldimand-Norfolk
 - City of Hamilton
 - Niagara Regional Area
 - Brant County

Health Region Comparison

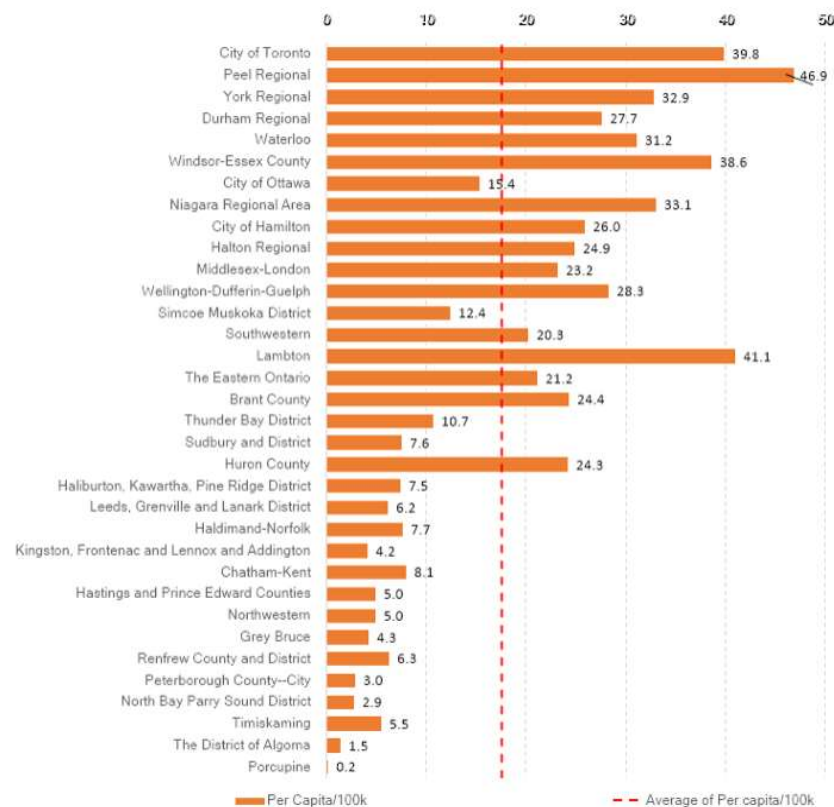
Scarsin Covid-19 Decision Support System

New Reported Cases - Volume



Jan 31

New Reported Cases - Per Capita/100K



Age Group
All

End Date
31 Jan 2021

Forecasts
FCST-Current

Province
Canada

Health Regions
Canada
Ontario
Central LHIN
York Regional
Central East LHIN
Durham Regional
Haliburton, Kawartha, Hastings and Prince Edward
Peterborough County--City
Central West LHIN
Peel Regional
Champlain LHIN
City of Ottawa
Renfrew County and District
Erie St. Clair LHIN
Chatham-Kent
Southwestern
Windsor-Essex County
Hamilton Niagara Haldimand-Norfolk
City of Hamilton
Niagara Regional Area
Brant County
Middlesex-London

Filter By
Top 5 Top 10 All

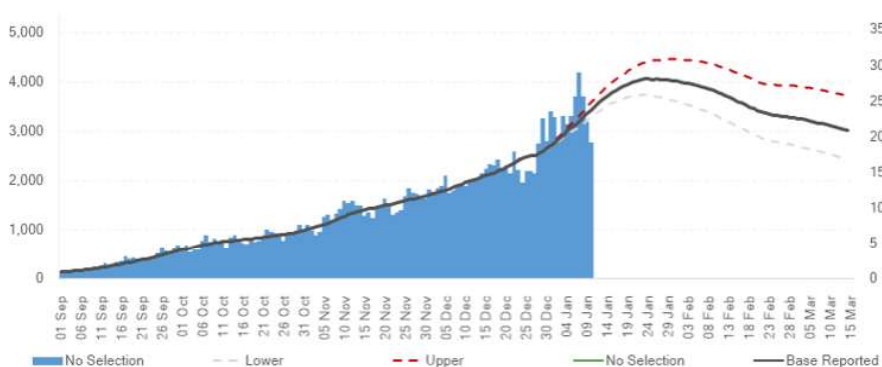
Sort By
New Reported Cases

Home TOC Back Forward

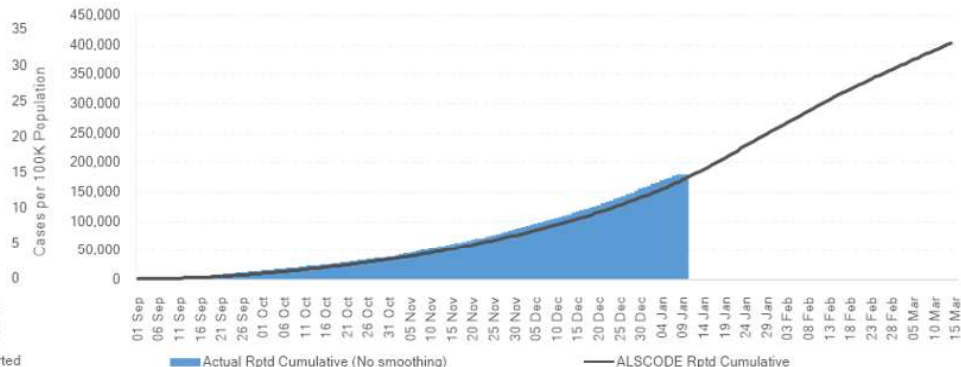
COVID-19 Dynamics - Ontario

Scarsin Covid-19 Decision Support System

New Reported Cases



Cumulative Reported Cases



Start Date
01 Sep 2020

End Date
15 Mar 2021

Forecast
FCST-Current

Age Group
All

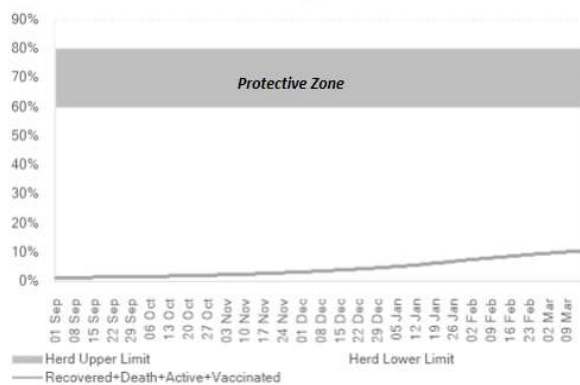
Reported/Deaths
☒ Reported ☐ Death

Range
Base, Lower, Upper

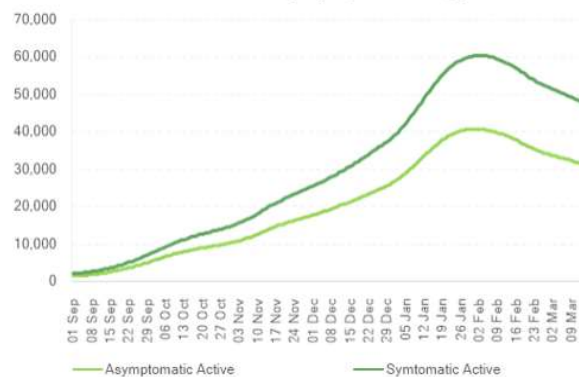
Smoothing
No smoothing

Region
Canada

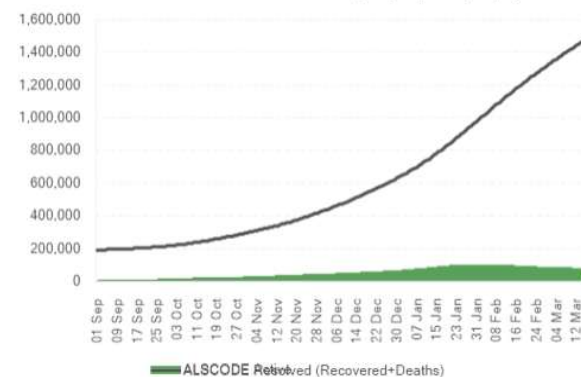
HERD Immunity Assessment



Active Cases by Symptomatology



Resolved vs Active Cases (Asympt+Sympt)



Health Region

Canada

Ontario

York Regional

Central East LHIN

Durham Regional

Haliburton, Kawartha, Hastings and Prince Edward

Peterborough County

Central West LHIN

Peel Regional

Champlain LHIN

City of Ottawa

Renfrew County and District

Erie St. Clair LHIN

Chatham-Kent

Lambton

Southwestern

Windsor-Essex County

Hamilton Niagara Haldimand-Norfolk

City of Hamilton

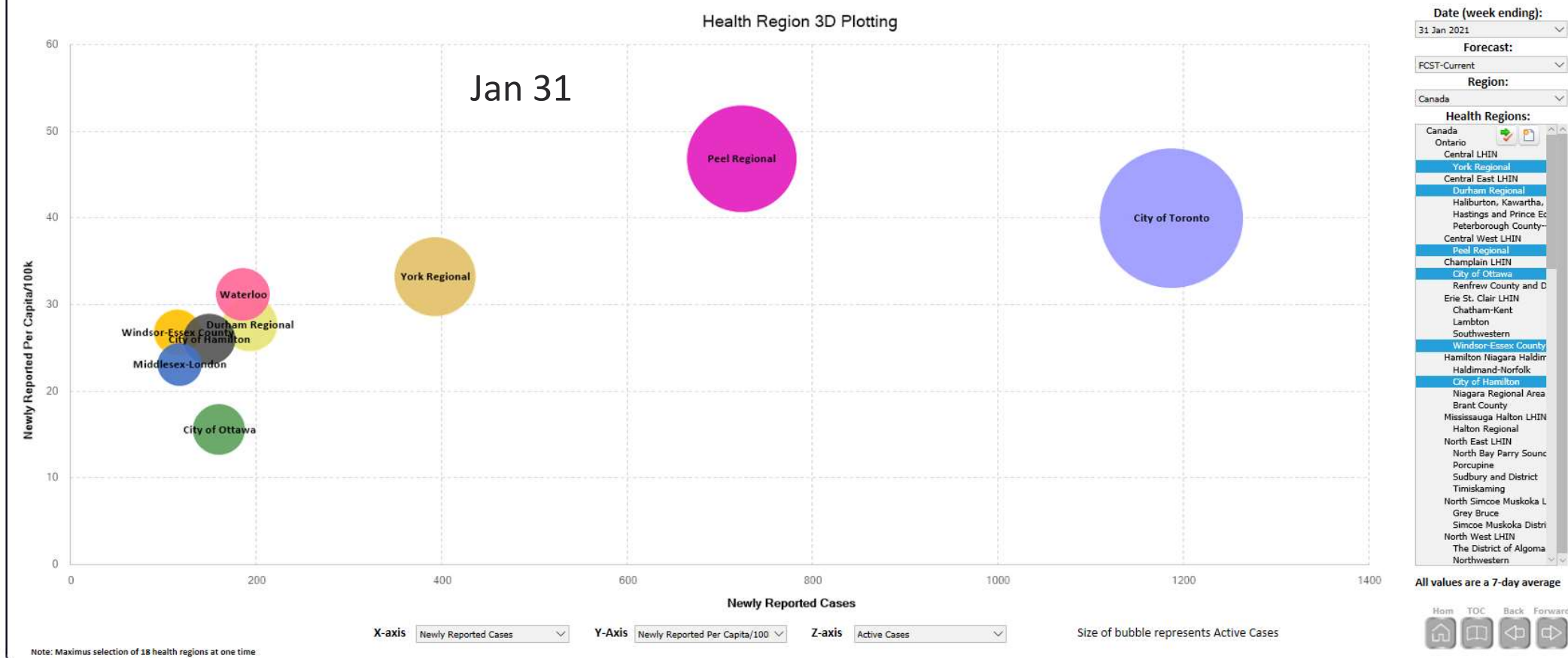
Niagara Regional Area

Brant County

Home TOC Back Forward

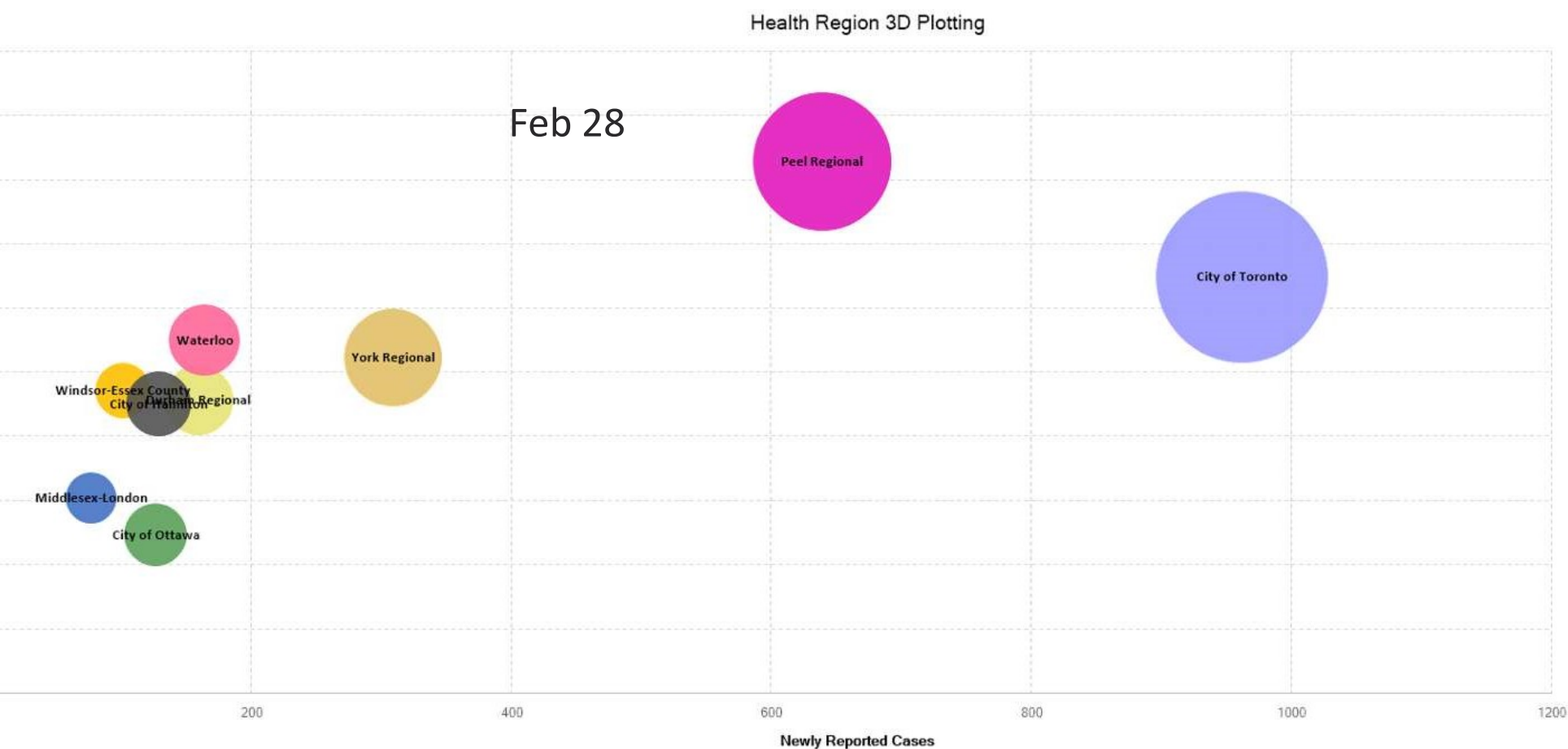
Health Region 3D Plotting

Scarsin Covid-19 Decision Support System



Health Region 3D Plotting

Scarsin Covid-19 Decision Support System



Date (week ending)
28 Feb 2021

Forecast
FCST-Current

Region:

Canada

Health Region

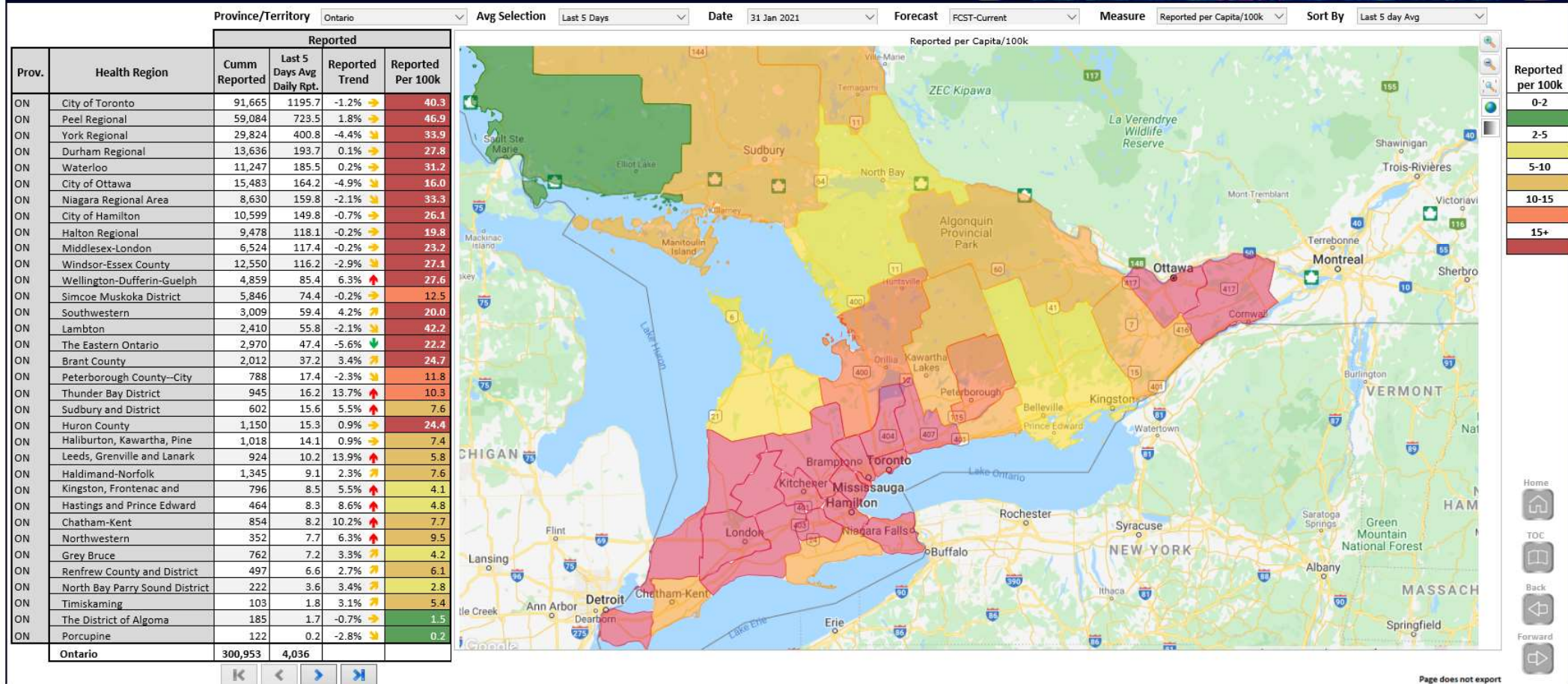
- Canada
- Ontario
- Central LHIN
- York Region
- Central East LHIN
- Durham Region
- Haliburton, Kawartha, Frontenac and Peterborough
- Central West LHIN
- Peel Region
- Champlain LHIN
- City of Ottawa
- Renfrew County
- Erie St. Clair LHIN
- Chatham-Kent
- Lambton Kent
- Southwestern
- Windsor-Essex
- Hamilton Niagara Haldimand-Norfolk
- City of Hamilton
- Niagara Region
- Brant County
- Mississauga Halton Region
- Halton Region
- North East LHIN
- North Bay Parry Sound
- Porcupine
- Sudbury and Timiskaming
- North Simcoe Muskoka
- Grey Bruce
- Simcoe Muskoka
- North West LHIN
- The District of
- Northwestern

All values are a 7-day average

Home TOC

Health Region Mapping

Scarsin Covid-19 Decision Support System

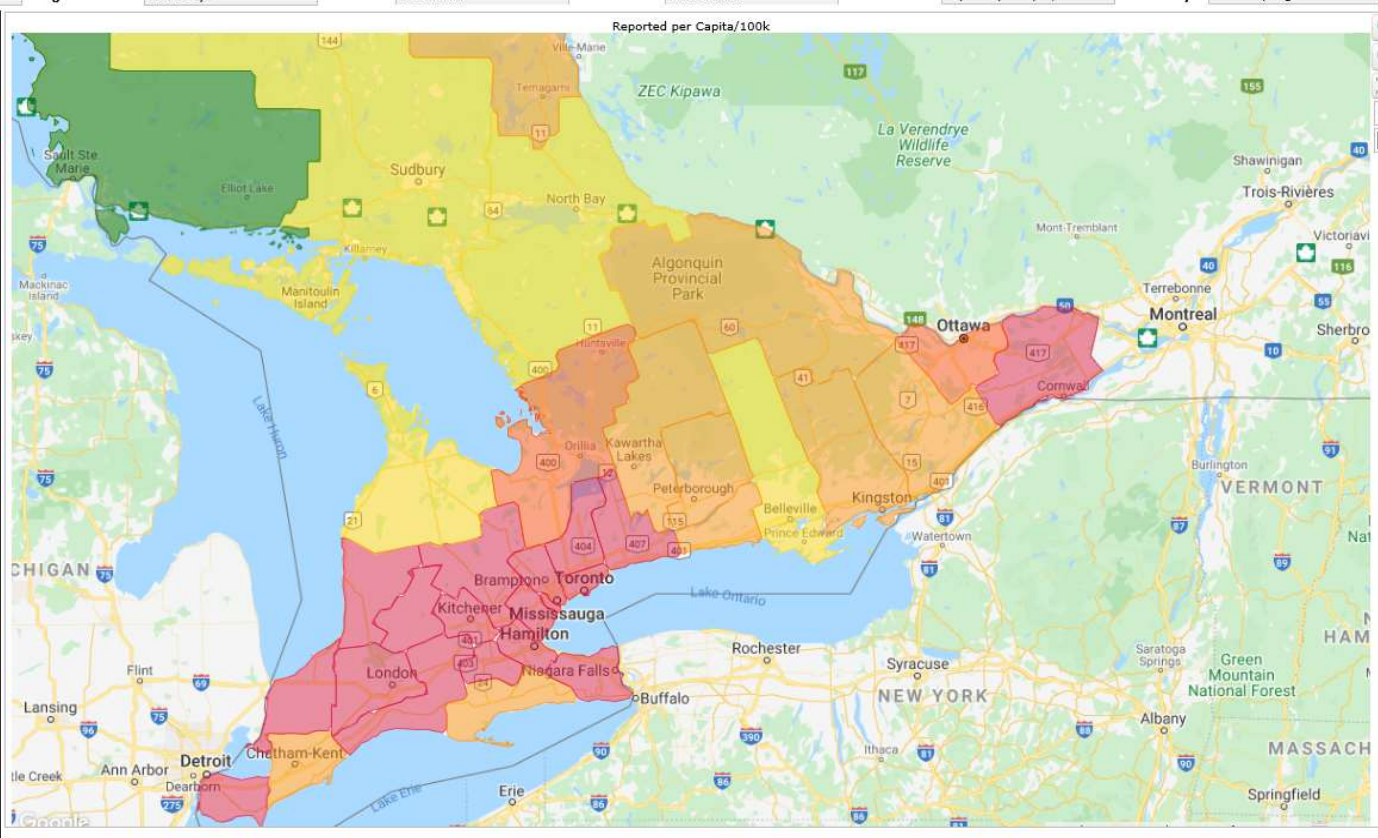


Health Region Mapping

Scarsin Covid-19 Decision Support System

Province/Territory Ontario Avg Selection Last 5 Days Date 28 Feb 2021 Forecast FCST-Current Measure Reported per Capita/100k Sort By Last 5 day Avg

Prov.	Health Region	Reported			
		Cumm Reported	Last 5 Days Avg Daily Rpt.	Reported Trend	Reported Per 100k
ON	City of Toronto	121,166	963.6	-1.0%	32.5
ON	Peel Regional	78,152	643.0	-1.4%	41.7
ON	York Regional	39,464	310.7	-3.4%	26.3
ON	Waterloo	16,266	166.5	-3.9%	28.0
ON	Durham Regional	18,602	160.2	-3.1%	23.0
ON	City of Hamilton	14,537	131.4	-3.7%	22.9
ON	City of Ottawa	19,391	127.8	-2.1%	12.4
ON	Niagara Regional Area	12,429	109.5	-7.4%	22.8
ON	Windsor-Essex County	15,514	100.8	0.1%	23.5
ON	Halton Regional	12,482	96.2	-3.2%	16.1
ON	Middlesex-London	9,259	78.8	-7.6%	15.6
ON	Wellington-Dufferin-Guelph	6,984	64.1	-4.5%	20.7
ON	Simcoe Muskoka District	7,723	60.1	-3.2%	10.1
ON	Southwestern	4,599	50.2	-5.3%	16.9
ON	The Eastern Ontario	4,090	37.2	-1.7%	17.4
ON	Lambton	3,603	31.7	-13.1%	24.0
ON	Brant County	2,928	29.6	-2.6%	19.6
ON	Leeds, Grenville and Lanark	1,322	15.8	-0.1%	8.9
ON	Huron County	1,558	13.8	-3.0%	22.0
ON	Haliburton, Kawartha, Pine	1,407	13.4	-2.6%	7.0
ON	Peterborough County—City	1,211	13.4	-4.5%	9.0
ON	Kingston, Frontenac and	1,089	12.1	6.8%	5.8
ON	Thunder Bay District	1,344	11.3	-5.0%	7.1
ON	Haldimand-Norfolk	1,614	9.9	0.8%	8.3
ON	Sudbury and District	946	9.5	-9.0%	4.7
ON	Chatham-Kent	1,113	9.3	-2.7%	8.7
ON	Renfrew County and District	723	8.8	0.7%	8.2
ON	Hastings and Prince Edward	703	8.3	0.4%	4.9
ON	Grey Bruce	983	8.2	1.5%	4.8
ON	Northwestern	543	5.3	-11.7%	6.6
ON	North Bay Parry Sound District	323	3.3	-5.7%	2.5
ON	Timiskaming	159	2.1	1.8%	6.2
ON	The District of Algoma	232	1.7	-1.4%	1.4
ON	Porcupine	127	0.1	-3.8%	0.2
Ontario		402,584	3,308		



Scarsin Covid-19 Decision Support System

Province

AB	BC
MB	NB
NL	NS
NT	ON
PE	SK
YT	QC
NU	

Restrictions

National Level Province Level

Start Date

05 Oct 2020

End Date

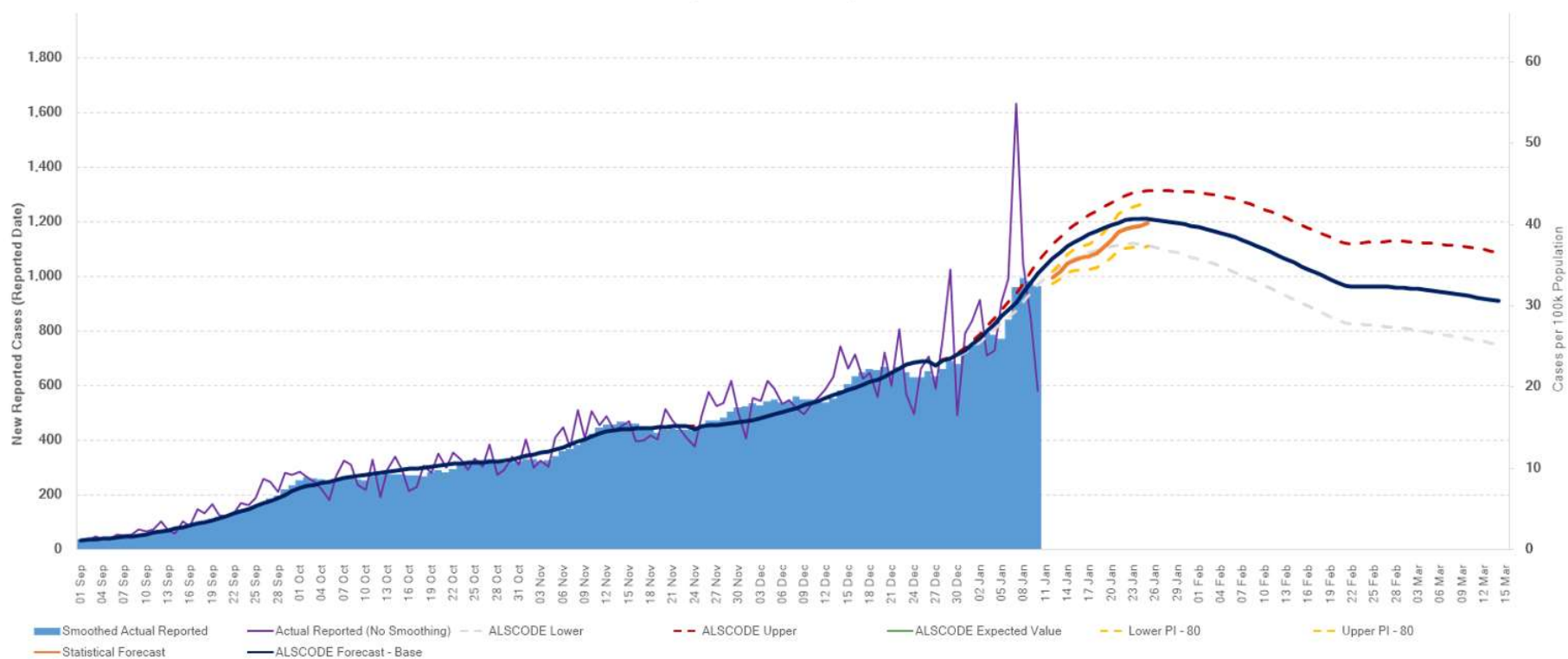
25 Jan 2021

- 1 - Prevent
- 2 - Protect
- 3 - Restrict
- 4 - Control
- 5 - LOCKDOWN

Statistical & ALSCODE Forecast Triangulation - City of Toronto

Scarsin Covid-19 Decision Support System

New Reported Cases - City of Toronto



Start Date
01 Sep 2020

End Date
15 Mar 2021

Forecast
FCST-Current

Range
Base
Lower
Upper
Expected Value

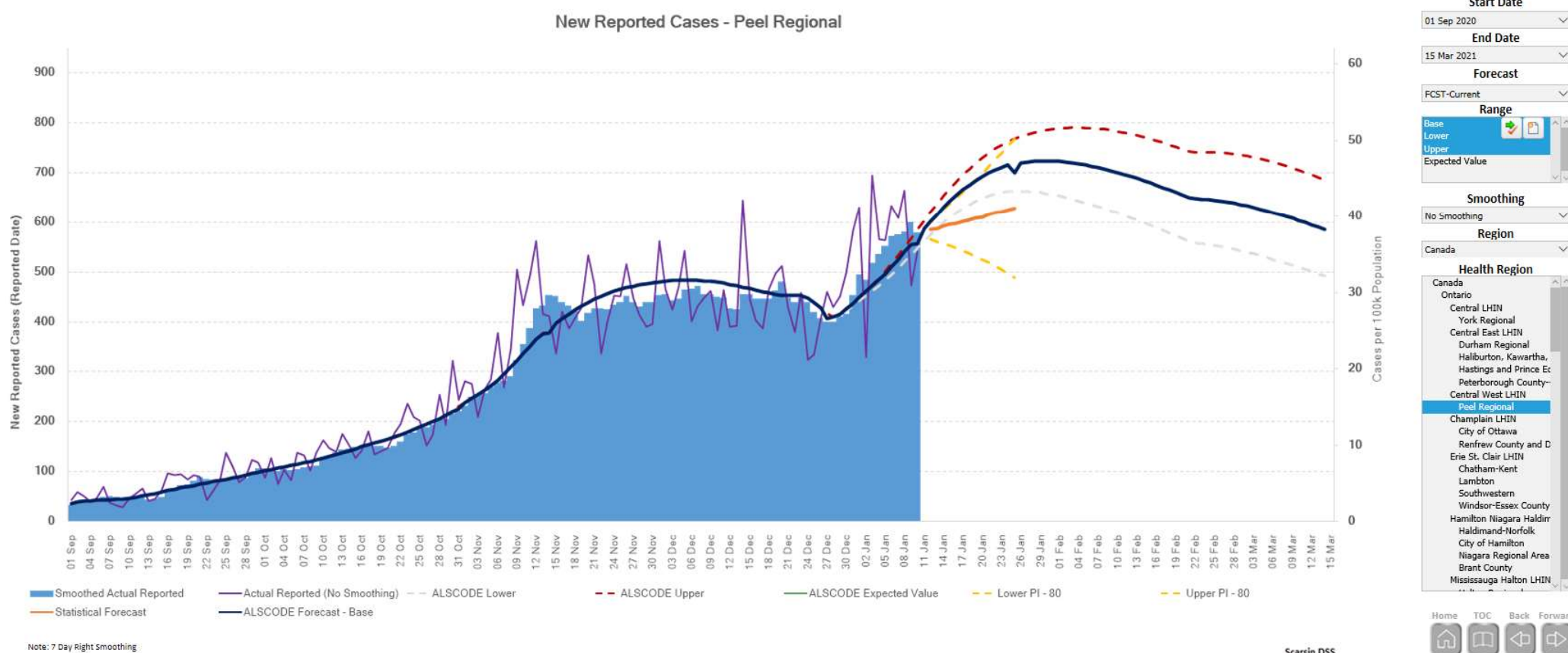
Smoothing
No Smoothing

Region
Canada

Health Region
Canada
Ontario
Central LHIN
York Regional
Central East LHIN
Durham Regional
Haliburton, Kawartha,
Hastings and Prince E
Peterborough County
Central West LHIN
Peel Regional
Champlain LHIN
City of Ottawa
Renfrew County and D
Erie St. Clair LHIN
Chatham-Kent
Lambton
Southwestern
Windsor-Essex County
Hamilton Niagara Haldim
Haldimand-Norfolk
City of Hamilton
Niagara Regional Area
Brant County
Mississauga Halton LHIN

Statistical & ALSCODE Forecast Triangulation - Peel Regional

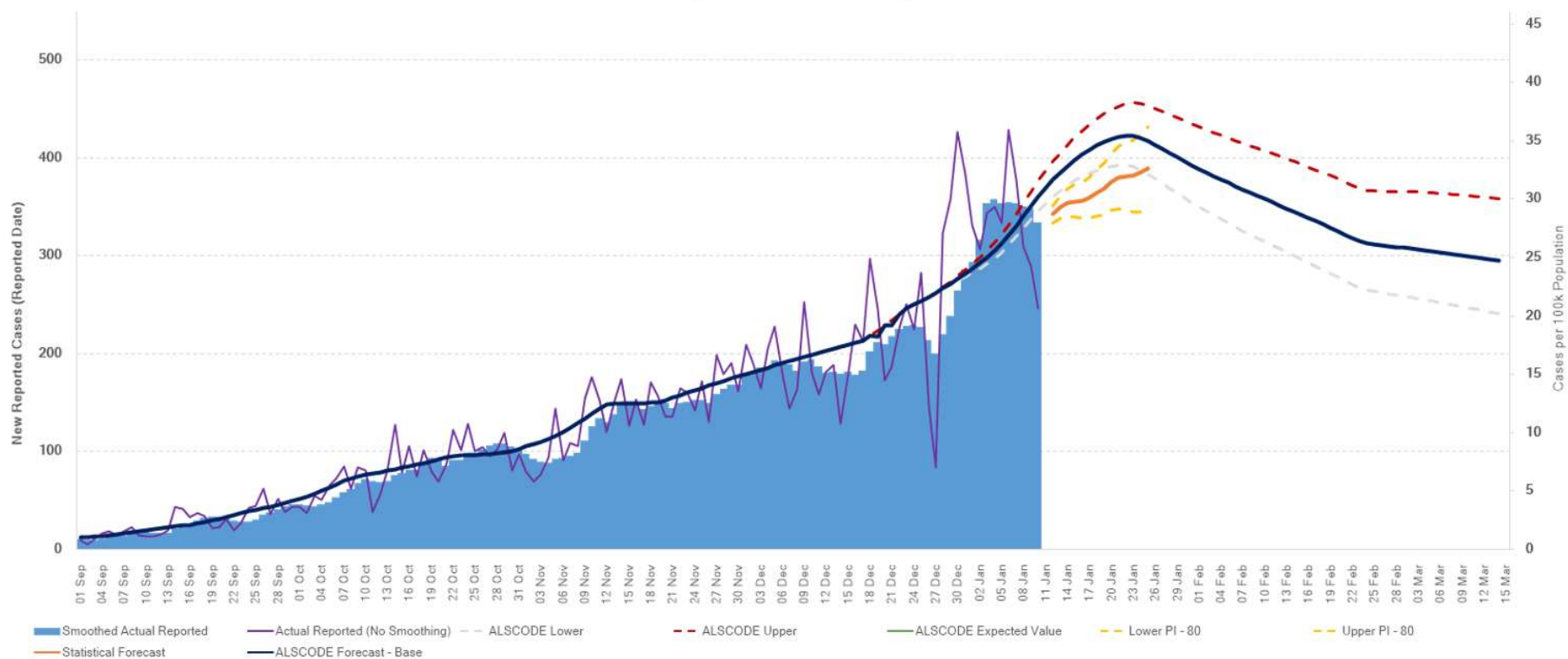
Scarsin Covid-19 Decision Support System



Statistical & ALSCODE Forecast Triangulation - York Regional

Scarsin Covid-19 Decision Support System

New Reported Cases - York Regional



Start Date: 01 Sep 2020
End Date: 15 Mar 2021
Forecast: FCST-Current
Range: Base, Lower, Upper, Expected Value
Smoothing: No Smoothing
Region: Canada
Health Region: York Regional

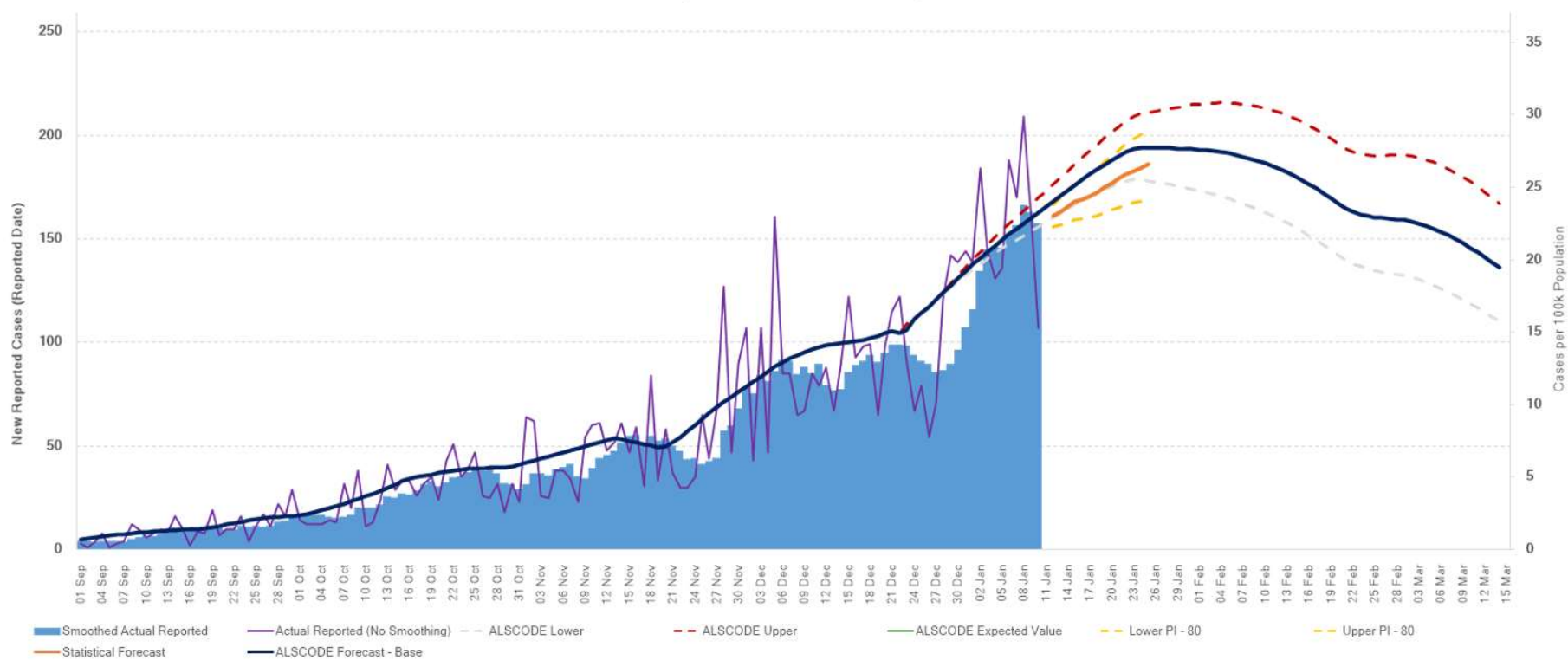
Note: 7 Day Right Smoothing

Scarsin DSS

Statistical & ALSCODE Forecast Triangulation - Durham Regional

Scarsin Covid-19 Decision Support System

New Reported Cases - Durham Regional



Note: 7 Day Right Smoothing

Scarsin DSS

Start Date
01 Sep 2020

End Date
15 Mar 2021

Forecast
FCST-Current

Range
Base
Lower
Upper
Expected Value

Smoothing
No Smoothing

Region
Canada

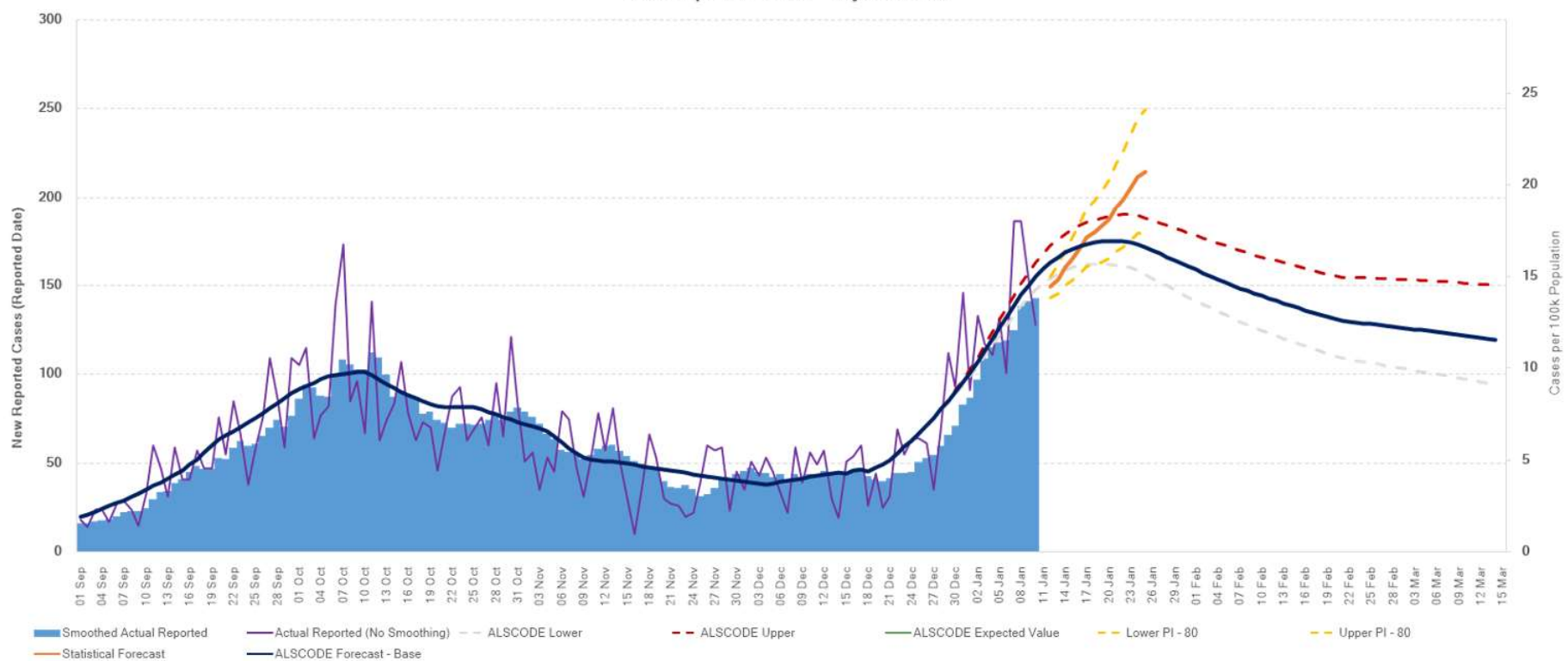
Health Region
Canada
Ontario
Central LHIN
York Regional
Central East LHIN
Durham Regional
Haliburton, Kawartha,
Hastings and Prince E
Peterborough County
Central West LHIN
Peel Regional
Champlain LHIN
City of Ottawa
Renfrew County and D
Erie St. Clair LHIN
Chatham-Kent
Lambton
Southwestern
Windsor-Essex County
Hamilton Niagara Haldim
Haldimand-Norfolk
City of Hamilton
Niagara Regional Area
Brant County
Mississauga Halton LHIN

Home TOC Back Forward

Statistical & ALSCODE Forecast Triangulation - City of Ottawa

Scarsin Covid-19 Decision Support System

New Reported Cases - City of Ottawa



Start Date
01 Sep 2020

End Date
15 Mar 2021

Forecast
FCST-Current

Range
Base
Lower
Upper
Expected Value

Smoothing
No Smoothing

Region
Canada

Health Region
Canada
Ontario
Central LHIN
York Regional
Central East LHIN
Durham Regional
Haliburton, Kawartha, Hastings and Prince Edward
Peterborough County
Central West LHIN
Peel Regional
Champlain LHIN
City of Ottawa
Renfrew County and District
Erie St. Clair LHIN
Chatham-Kent
Lambton
Southwestern
Windsor-Essex County
Hamilton Niagara Haldimand-Huron
City of Hamilton
Niagara Regional Area
Brant County
Mississauga Halton LHIN

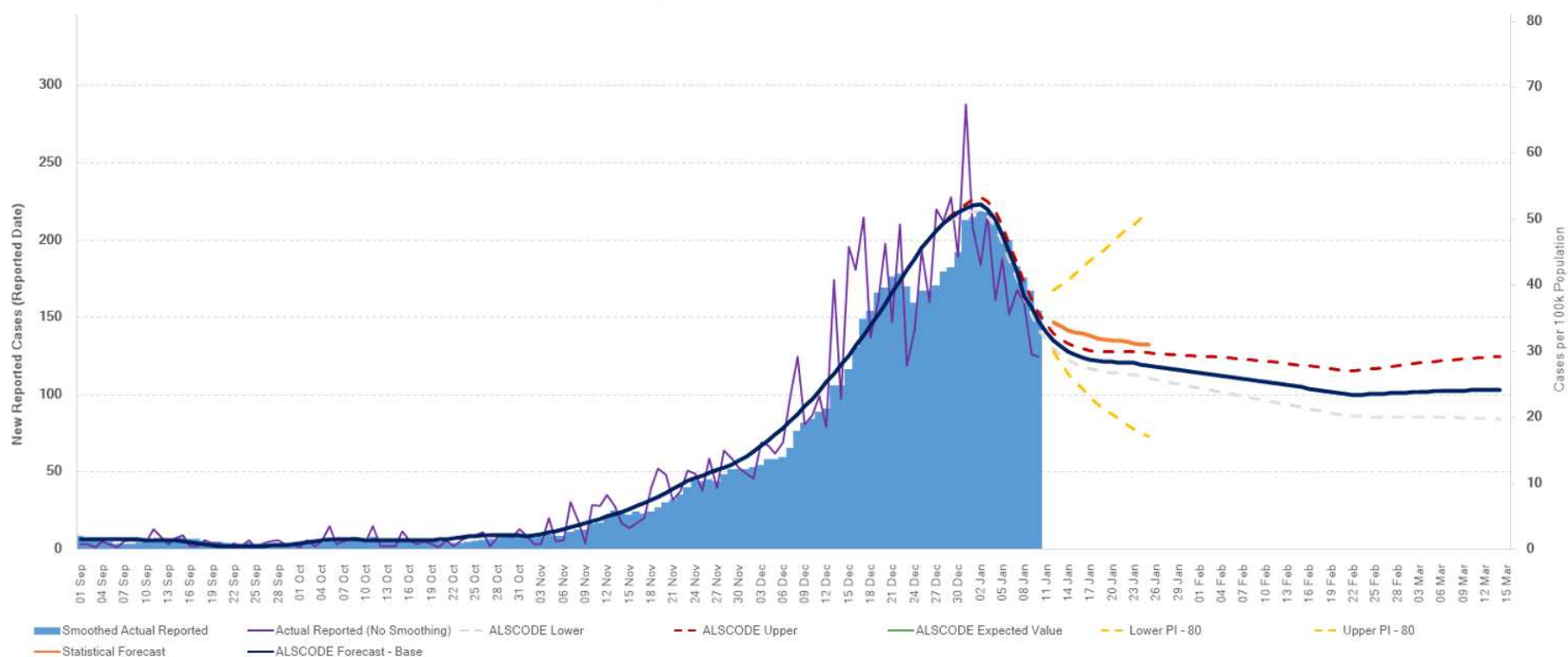
Note: 7 Day Right Smoothing

Scarsin DSS

Statistical & ALSCODE Forecast Triangulation - Windsor-Essex County

Scarsin Covid-19 Decision Support System

New Reported Cases - Windsor-Essex County



Note: 7 Day Right Smoothing

Scarsin DSS

Start Date: 01 Sep 2020

End Date: 15 Mar 2021

Forecast: FCST-Current

Range: Base, Lower, Upper, Expected Value

Smoothing: No Smoothing

Region: Canada

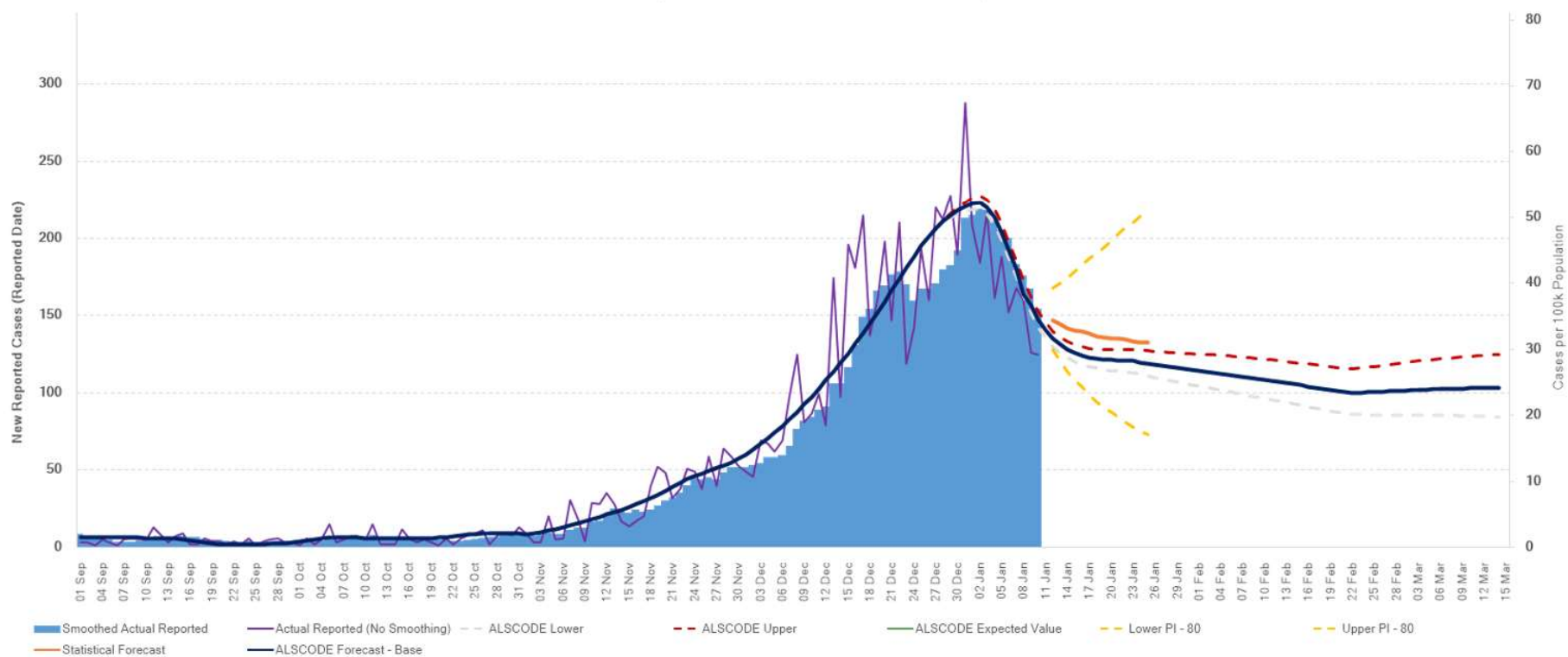
Health Region: Windsor-Essex County

Home TOC Back Forward

Statistical & ALSCODE Forecast Triangulation - Windsor-Essex County

Scarsin Covid-19 Decision Support System

New Reported Cases - Windsor-Essex County



Note: 7 Day Right Smoothing

Scarsin DSS

Start Date
01 Sep 2020

End Date
15 Mar 2021

Forecast
FCST-Current

Range
Base
Lower
Upper
Expected Value

Smoothing
No Smoothing

Region
Canada

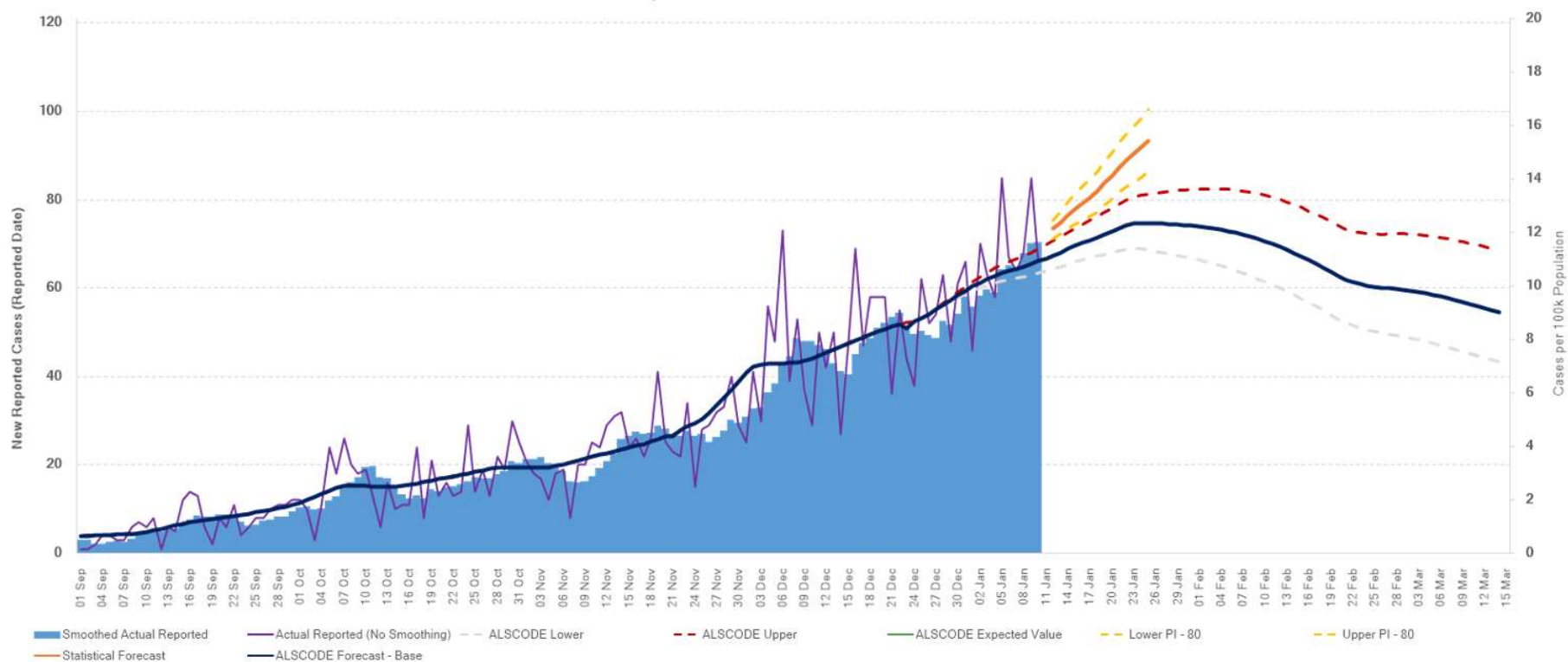
Health Region
Canada
Ontario
Central LHIN
York Regional
Central East LHIN
Durham Regional
Haliburton, Kawartha,
Hastings and Prince Ec
Peterborough County
Central West LHIN
Peel Regional
Champlain LHIN
City of Ottawa
Renfrew County and C
Erie St. Clair LHIN
Chatham-Kent
Lambton
Southwestern
Windsor-Essex County
Hamilton Niagara Haldim
Haldimand-Norfolk
City of Hamilton
Niagara Regional Area
Brant County
Mississauga Halton LHIN

Home TOC Back Forward

Statistical & ALSCODE Forecast Triangulation - Simcoe Muskoka District

Scarsin Covid-19 Decision Support System

New Reported Cases - Simcoe Muskoka District



Note: 7 Day Right Smoothing

Scarsin DSS

Start Date
01 Sep 2020

End Date
15 Mar 2021

Forecast
FCST-Current

Range
Base
Lower
Upper
Expected Value

Smoothing
No Smoothing

Region
Canada

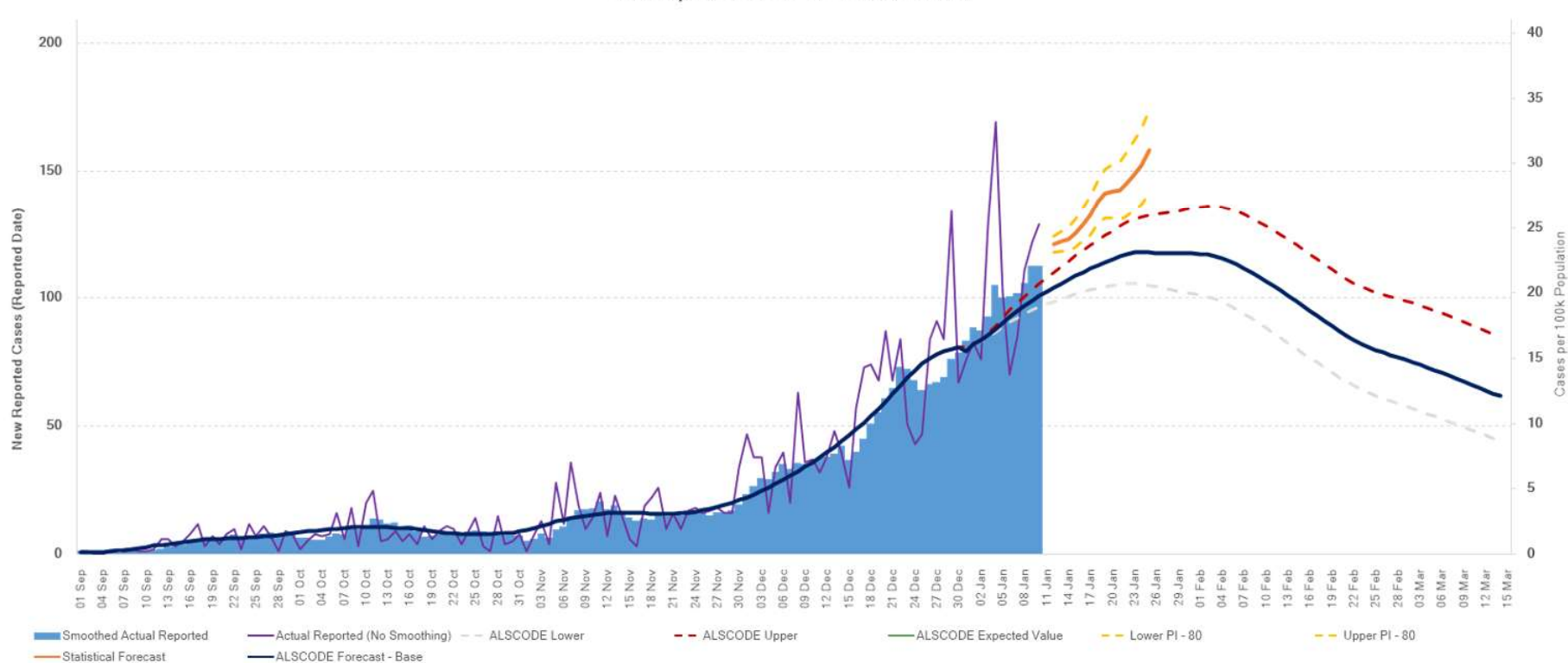
Health Region
Canada
Ontario
Central LHIN
York Regional
Central East LHIN
Durham Regional
Haliburton, Kawartha,
Hastings and Prince E
Peterborough County
Central West LHIN
Peel Regional
Champlain LHIN
City of Ottawa
Renfrew County and C
Erie St. Clair LHIN
Chatham-Kent
Lambton
Southwestern
Windsor-Essex County
Hamilton Niagara Haldir
Haldimand-Norfolk
City of Hamilton
Niagara Regional Area
Brant County
Mississauga Halton LHIN

Home TOC Back Forward

Statistical & ALSCODE Forecast Triangulation - Middlesex-London

Scarsin Covid-19 Decision Support System

New Reported Cases - Middlesex-London



Note: 7 Day Right Smoothing

Scarsin DSS

Start Date
01 Sep 2020

End Date
15 Mar 2021

Forecast
FCST-Current

Range
Base
Lower
Upper
Expected Value

Smoothing
No Smoothing

Region
Canada

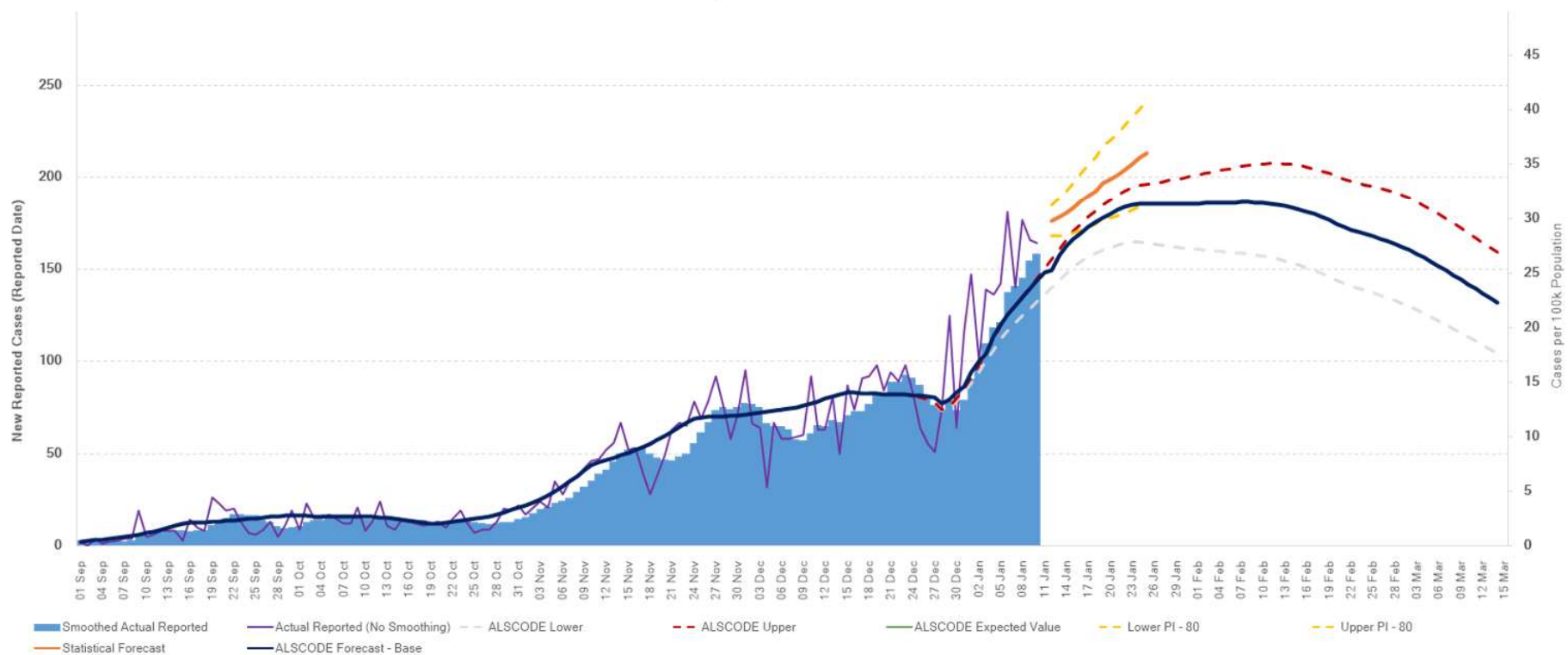
Health Region
Canada
Ontario
Central LHIN
York Regional
Durham Regional
Haliburton, Kawartha,
Hastings and Prince Ec
Peterborough County--
Central West LHIN
Peel Regional
Champlain LHIN
City of Ottawa
Renfrew County and D
Erie St. Clair LHIN
Chatham-Kent
Lambton
Southwestern
Windsor-Essex County
Hamilton Niagara Haldim
Haldimand-Norfolk
City of Hamilton
Niagara Regional Area
Brant County
Mississauga Halton LHIN

Home TOC Back Forward

Statistical & ALSCODE Forecast Triangulation - Waterloo

Scarsin Covid-19 Decision Support System

New Reported Cases - Waterloo



Start Date: 01 Sep 2020
End Date: 15 Mar 2021
Forecast: FCST-Current
Range: Base, Lower, Upper, Expected Value
Smoothing: No Smoothing
Region: Canada
Health Region: Ontario, Central LHIN, York Regional, Central East LHIN, Durham Regional, Haliburton, Kawartha, Hastings and Prince Edward, Peterborough County, Central West LHIN, Peel Regional, Champlain LHIN, City of Ottawa, Renfrew County and District, Erie St. Clair LHIN, Chatham-Kent, Lambton, Southwestern, Windsor-Essex County, Hamilton Niagara Haldimand-Halton, City of Hamilton, Niagara Regional Area, Brant County, Mississauga Halton LHIN