

CORPORATE PERFORMANCE

COVID-19 IMPACT SUMMARY

5 JANUARY 2020

NAV CANADA PROPRIETARY

As this document provides a review of the previous days' events, standard data stabilization periods are unable to be observed; quality assurance is performed on the various data sources at differing intervals and may result in updates to the information post publication. It is expected that any variances would be negligible and any large disparities will result in the delay of reporting.

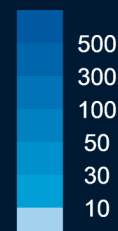
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GLOBAL WEEK IN REVIEW

- Canada is currently #25 in global COVID-19 cases, while USA is #1
- Vaccines rolling out across the world. As of January 4, 2021 Canada has administered 143,250 doses. This is equal to 0.38 single doses per 100 people.
- In addition to the 14 day mandatory quarantine, Canada to implement requirement for negative COVID-19 test 72 hrs prior to entering the country as of January 7, 2021.

New Cases per 100k

CANADA:
LAST WEEK IN REVIEW

New Cases (per 100k) - 147↑*

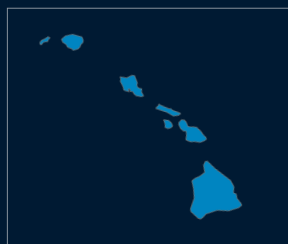
Travel Restrictions - new testing requirements
for international travellers

Passenger Screenings - 192,863↓*

Available System Seats - 749,017↑*

Ratio of Int'l/Domestic Seats - 44/56

*compared to previous week

USA:
LAST WEEK IN REVIEW

New Cases (per 100k) - 447↓*

Travel Restrictions - No nation-wide restrictions, more
than half of the states have no state-wide restrictions

Passenger Screenings - 7,452,670↑*

Available System Seats - 14,855,326 ↑*

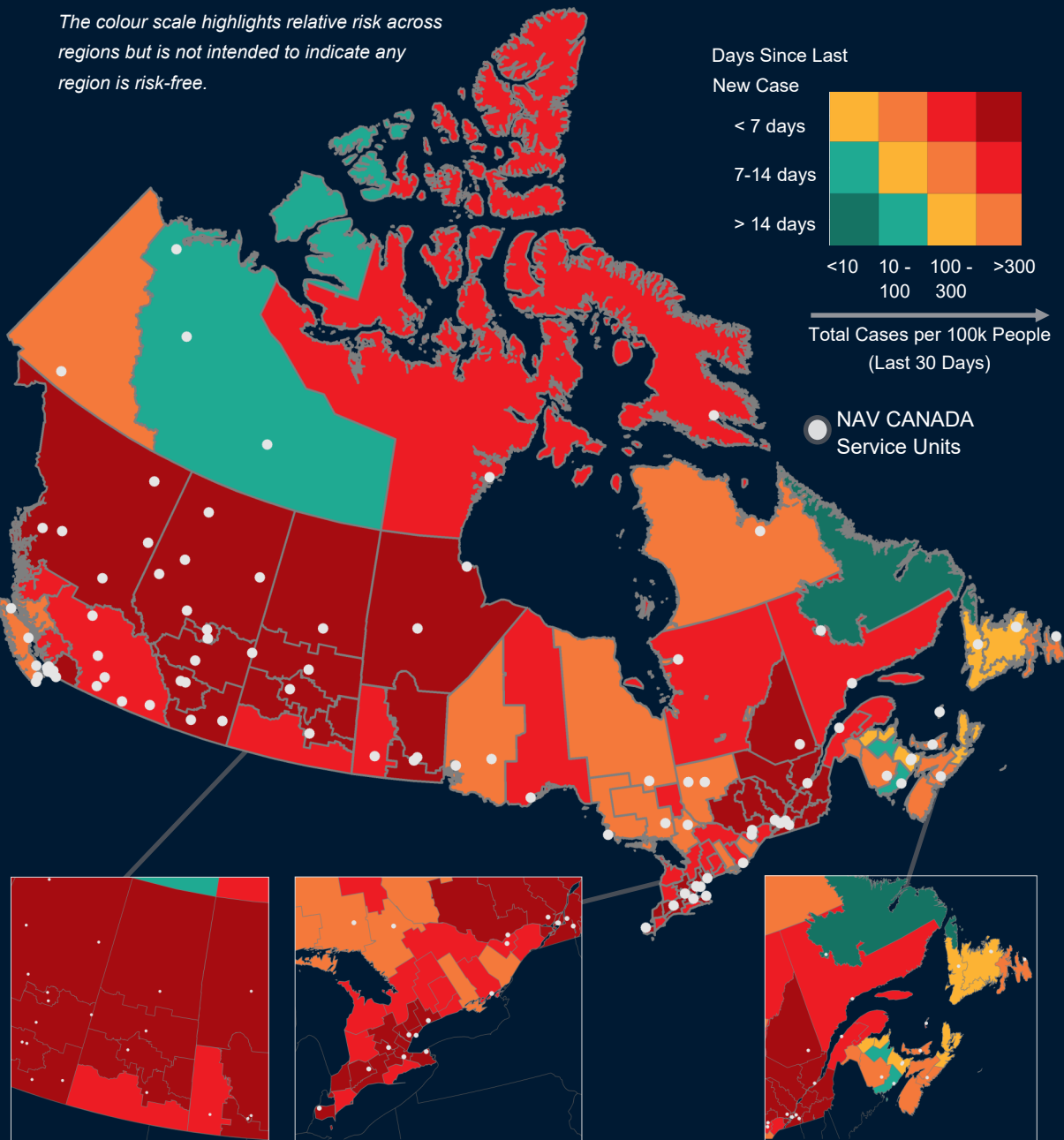
Ratio of Int'l/Domestic Seats - 20/80

*compared to previous week

Sources: COVID-19 Canada
Open Data Working Group,
Statistics Canada, CATSA,
TSA, CAPA, Our World in
Data

COVID-19 CASES BY HEALTH REGION

The colour scale highlights relative risk across regions but is not intended to indicate any region is risk-free.



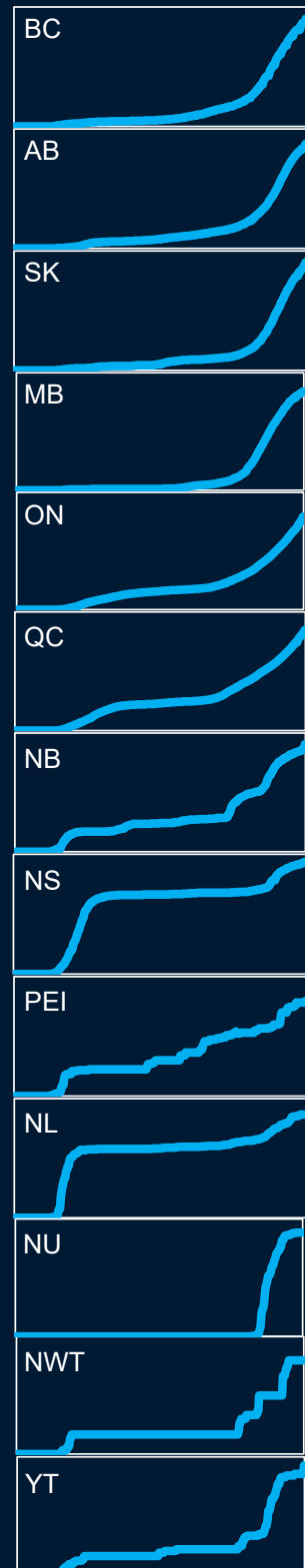
- In Canada, as of January 4th, 96% of all COVID-19 cases were related to domestic acquisition, 2% to travel outside of Canada, and the remainder currently unknown.
- Saskatchewan's Far North remains an area of concern.
- Cases are stable at low counts in the Maritimes and Territories, but are trending upwards in Ontario and Quebec.

DOMESTIC TRAVEL RESTRICTIONS

Quarantine restrictions in place in many provinces/territories, deterring travel in these areas. Many provinces remain in lockdown throughout January.

Current restrictions can be found at <https://travel.gc.ca/covid-19-provinces-territories>

COVID-19 Curve (1 Feb 2020—4 Jan 2021)



Sources: COVID-19 Canada Open Data Working Group, Statistics Canada

FOUR MAJOR AIRPORT WEEKLY AVERAGE MOVEMENTS—27 DECEMBER 2020 TO 2 JANUARY 2021*

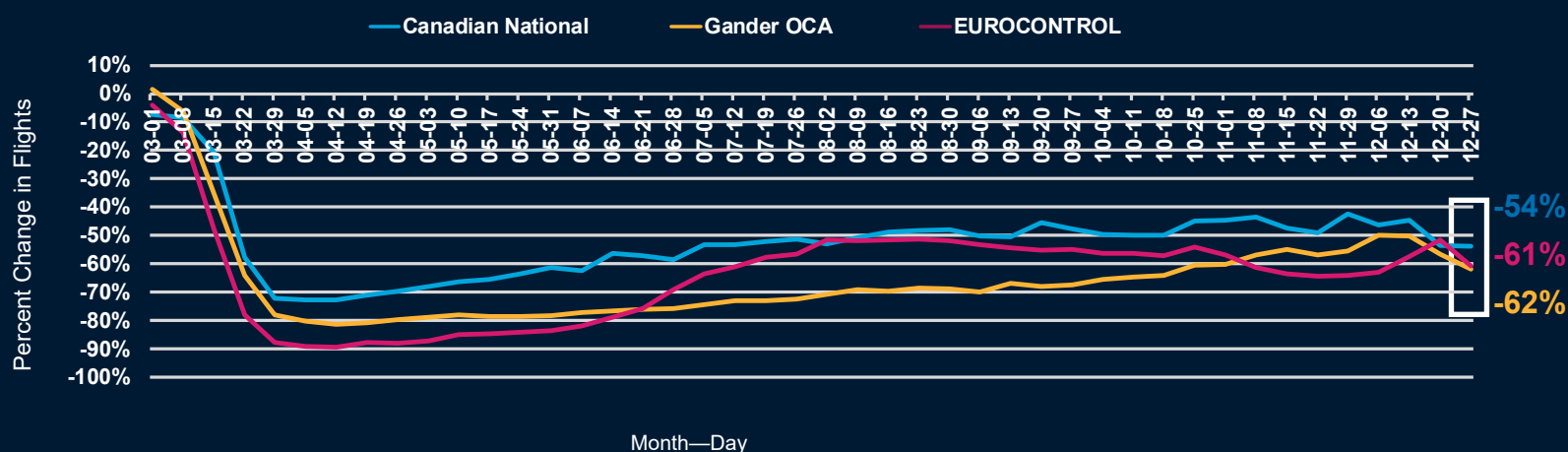
CYVR	CYYC	CYYZ	CYUL
-60%	-50%	-69%	-68%

FIR WEEKLY AVERAGE TRAFFIC IMPACT—27 DECEMBER 2020 TO 2 JANUARY 2021*

VR FIR	EG FIR	WG FIR	YZ FIR	UL FIR	QM FIR	QX FIR
-47%	-42%	-36%	-60%	-57%	-61%	-59%

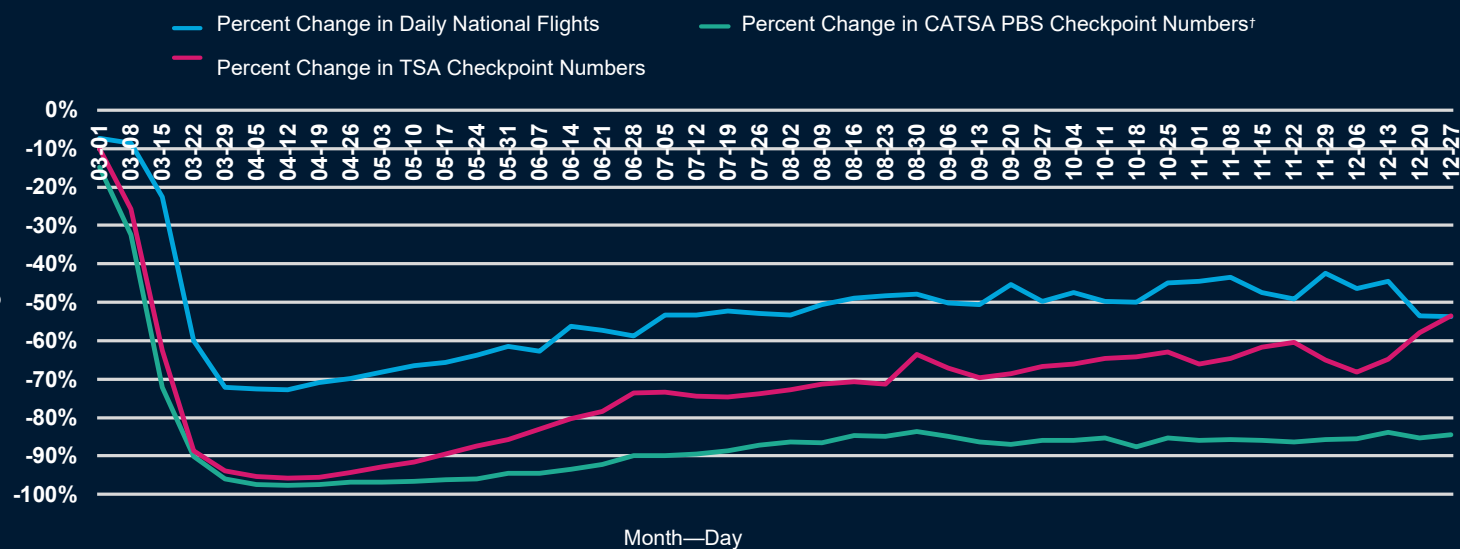
WEEKLY TRAFFIC VARIANCE

2020/2021 Compared to 2019/2020*



CHANGES IN CANADIAN NATIONAL FLIGHTS AND CATSA PBS/TSA CHECKPOINT NUMBERS

2020/2021 Compared to 2019/2020*

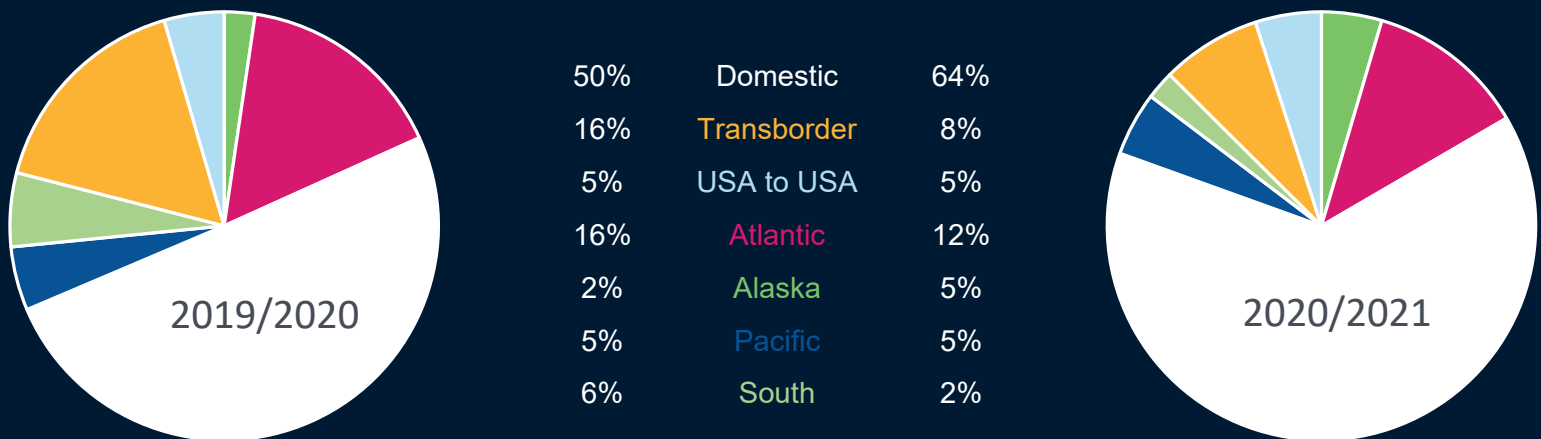


Sources: FDW, CATSA PBS, TSA

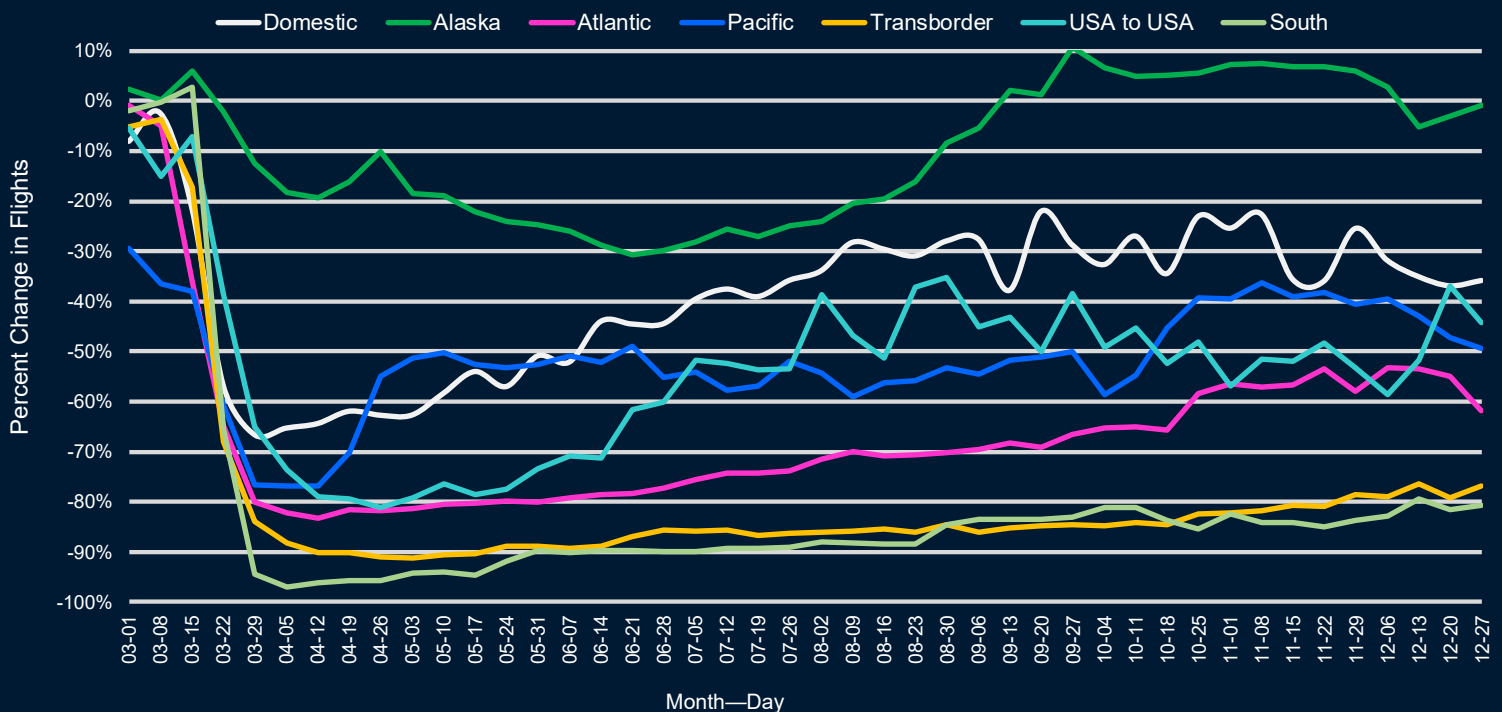
NATIONAL DAILY TRAFFIC IMPACT—27 DECEMBER 2020 TO 2 JANUARY 2021*

	27-Dec	28-Dec	29-Dec	30-Dec	31-Dec	01-Jan	02-Jan
2019 Benchmark	6,959	7,899	7,778	6,701	7,809	7,920	6,938
2020/2021	3,174	3,761	4,178	4,114	3,584	2,219	2,831
Difference	-3,785	-4,138	-3,600	-2,587	-4,225	-5,701	-4,107
% Difference	-54%	-52%	-46%	-39%	-54%	-72%	-59%

MARKET SHARE—27 DECEMBER 2020 TO 2 JANUARY 2021*



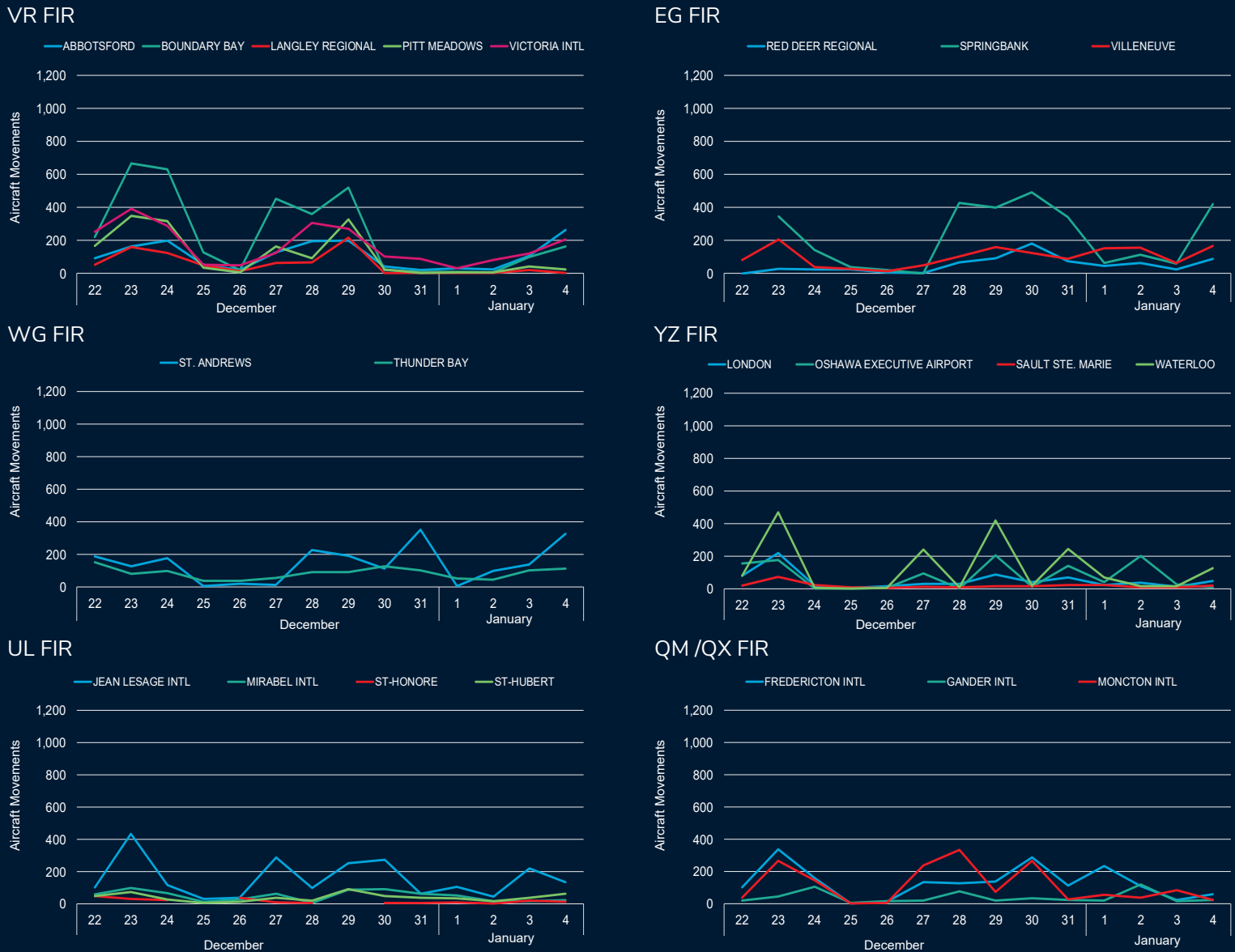
NATIONAL FLIGHT COUNTS BY MARKET



Source: FDW

*Comparing to operationally equivalent days ensures that the variability in traffic levels by day of week (ex.

FLIGHT TRAINING MOVEMENTS AND OUTLOOK



Select airports with high volumes of flight training are represented in the graphs above. Traffic is expressed in aircraft movements (arrivals/departures/overflights) and includes all movements located at the airport, not only flight training movements.

CRITICAL UNCERTAINTIES



- Long term global pilot shortage likely pushed back 3-4 years due to COVID-19
- Canadian pilot demand uncertain; training has resumed across the country
 - Chinese pilot demand remains strong due to large pre-COVID pilot shortage
 - Indian pilot demand uncertain due to pre-COVID pilot shortage. Recent airline bankruptcies and restructuring may or may not temper short-term pilot demand
 - European pilot demand reduced due COVID-19 impact on European aviation industry and evolving environmental requirements
- International student study permits/visas processing time differs based on country of origin.

COVID-19 POTENTIAL FLIGHT EXPOSURE—11 MARCH TO 1 DECEMBER 2020

1,061 Number of international flights to/from Canada that have been identified by Public Health Agency of Canada as having potential COVID-19 exposure onboard

101,680 Total international flights to/from Canada during this period

1% of total international flights reported threat of potential COVID-19 exposure onboard

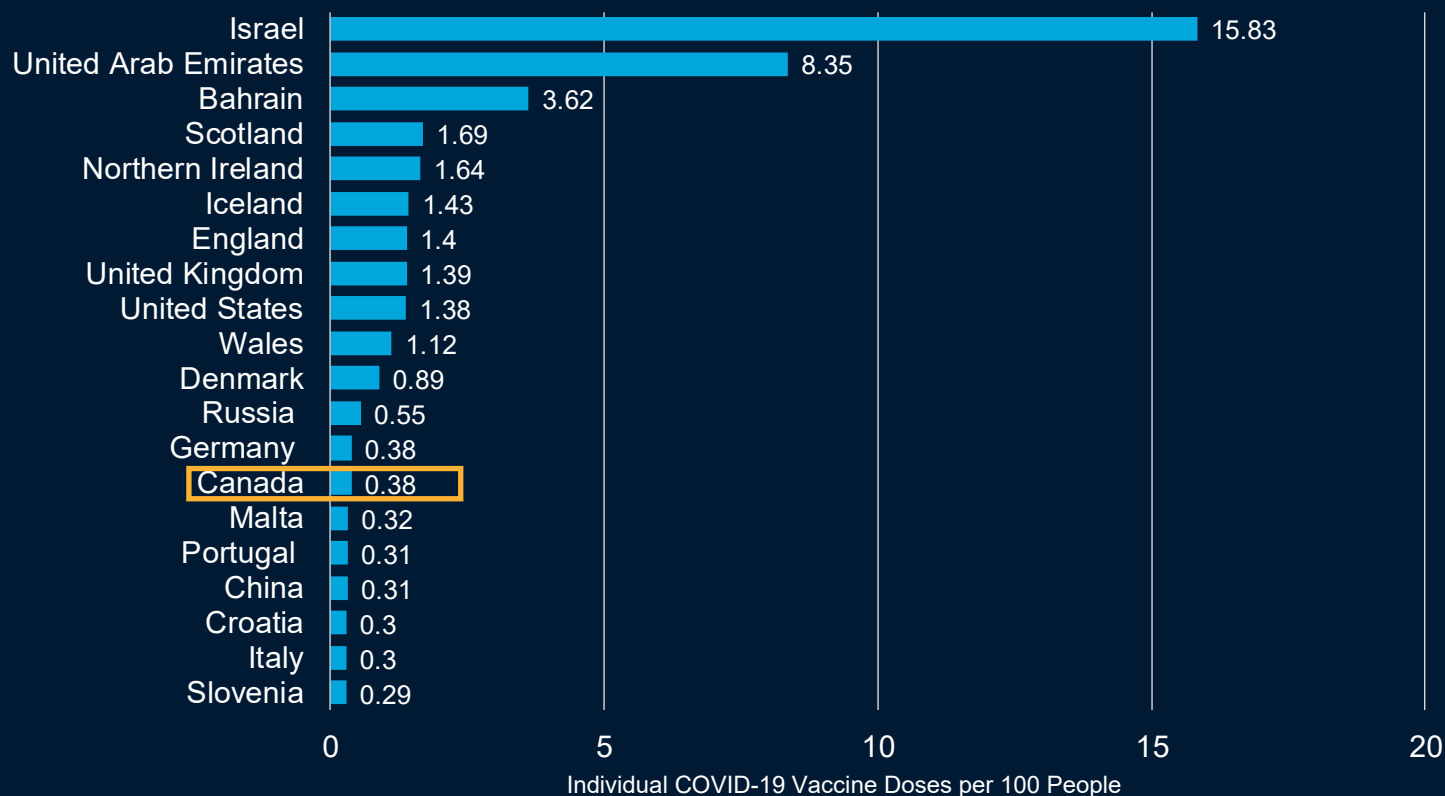
966 Number of Canadian domestic flights that have been identified by Public Health Agency of Canada as having potential COVID-19 exposure onboard

912,180 Total Canadian domestic flights during this period

<1% of total domestic flights reported threat of potential COVID-19 exposure onboard

“PHAC is currently unaware of any confirmed cases of in-flight passenger-to-passenger transmission of COVID-19 in Canada.”

TOP COUNTRIES WORLDWIDE—ADMINISTERED COVID-19 VACCINE DOSES PER 100 PEOPLE*



*based on most recent data reported by each country

Sources: Our World in Data, FDW, PHAC

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