



Community for Emerging and Zoonotic Diseases

Identifying emerging risks through collective intelligence

CFIA One Health HPAI Meeting
19 May 2022

www.cezd.ca

USGS Map



National Wildlife Health Center
Madison, Wisconsin
Updated May 17, 2022

Data: USDA, CFIA, OIE, States
Provisional. All locations are approximations
based on best available information.

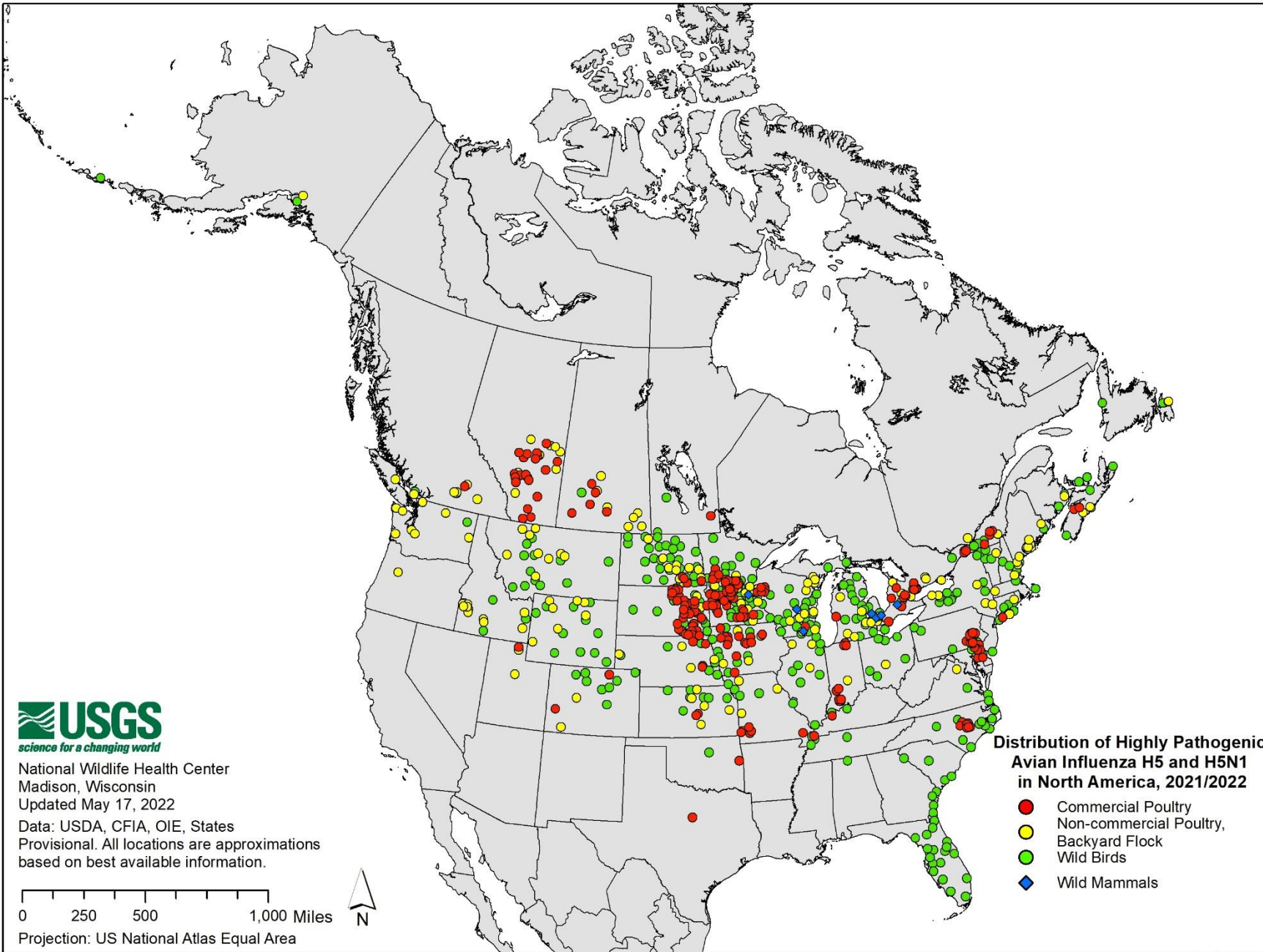
0 250 500 1,000 Miles



Projection: US National Atlas Equal Area

Distribution of Highly Pathogenic Avian Influenza H5 and H5N1 in North America, 2021/2022

- Commercial Poultry
- Non-commercial Poultry,
Backyard Flock
- Wild Birds
- ◆ Wild Mammals





HPAI 2022 Confirmed Detections

as of May 19, 2022

Last reported detection Wednesday, May 18, 2022

Data updated weekdays by 12pm Eastern

[Download Data](#)

338 Confirmed Flocks

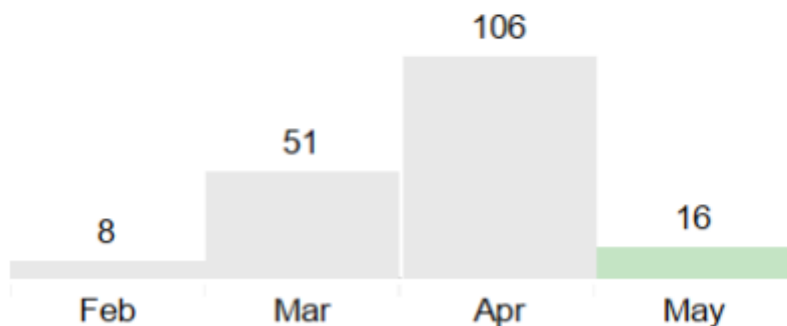
Birds tested and confirmed having HPAI

35 Affected States

States with at least one confirmed infected flock

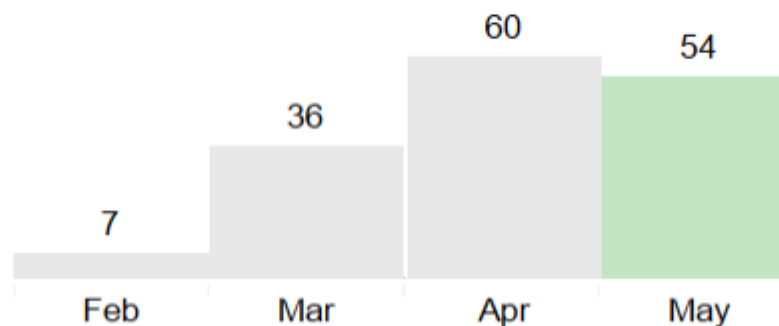
Commercial Flocks

181



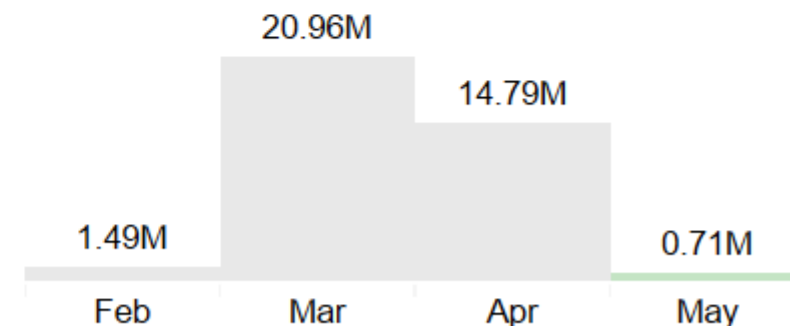
Backyard Flocks

157



Birds Affected*

37.95M



*Number of birds on confirmed infected premises.

Bars reflect most recent 4 months (numbers may not add up to total).

USDA list outbreaks reported in

domestic birds

New Jersey	1 new case 1 backyard	1 total flock 1 backyard flock 10 birds
Utah	2 new cases 2 backyard	4 total flocks 1 commercial, 3 backyard >1.5 million birds
Washington	5 new cases 5 backyard	9 total flock 9 backyard flock 799 birds
Minnesota	4 new cases 1 commercial 3 backyard	77 total flocks 58 commercial, 19 backyard >2.9 million birds
Pennsylvania	3 new cases 3 Commercial	15 total flock 15 commercial flock >4.0 million birds
Wisconsin	3 new cases 1 commercial 2 backyard	21 total flocks 8 commercial, 13 backyard > 3.0 million birds
Idaho	13 new cases 13 backyard	19 total flocks All backyard 845birds

Oregon	1 new case 1 backyard	2 total flock 2 backyard flock 620 birds
Illinois	1 new case 1 backyard flock	4 total flocks 4 backyard flocks 130 birds
North Dakota	1 new case 1 backyard	15 total flocks 4 Commercial 11 Backyard >166,000 birds
Michigan	No new cases	13 total flocks 1 commercial, 12 backyard >35,000 birds
South Dakota	No new cases	39 total flocks 36 commercial, 3 backyard >1.6 million birds
Iowa	No new cases	19 total flocks 15 commercial 4 backyard >13.3 million birds




Border State

US Domestic Detections

USDA list of Affected Commercial and Backyard Flocks – states with no new detections

Alaska	No new cases	1 total flock 1 backyard flock 30 birds
Vermont	No new cases	1 total flocks 1 backyard 30 birds
Maine	No new cases	12 flocks total 12 backyard 893 birds
New Hampshire	No new cases	1 total flock 1 backyard 150 birds
New York	No new cases	8 total flocks 1 commercial 7 backyard 7028 birds affected
Ohio	No new cases	1 total flock 1 backyard flock 20 birds

Oklahoma	No new cases	1 total flock 1 commercial flock 13,800 birds
Indiana	No new cases	10 total flocks 9 commercial, 1 backyard >189,000
Colorado	No new cases	4 affected flocks 2 Commercial, 2 Backyard > 1.4 million birds
Nebraska	No new cases	8 total flocks 4 commercial, 4 backyard >4.8 million birds
Missouri	No new cases	9 total flocks 6 commercial, 3 backyard >430,000 birds
Texas	No new cases	1 total flock 1 commercial flock 1,700 birds

 Border State

US Domestic Detections

[USDA list](#) of Affected Commercial and Backyard Flocks
new states with no new outbreaks reported

Delaware	No new cases	3 total flocks 3 commercial >1.4 million birds
Massachusetts	No new cases	1 total flock 1 backyard flock 240 birds
Connecticut	No new cases	1 total flock 1 backyard 160 birds
Kentucky	No new cases	2 total flocks 2 commercial >284,000 birds
Kansas	No new cases	6 total flocks 1 commercial, 5 backyard 7,546 birds

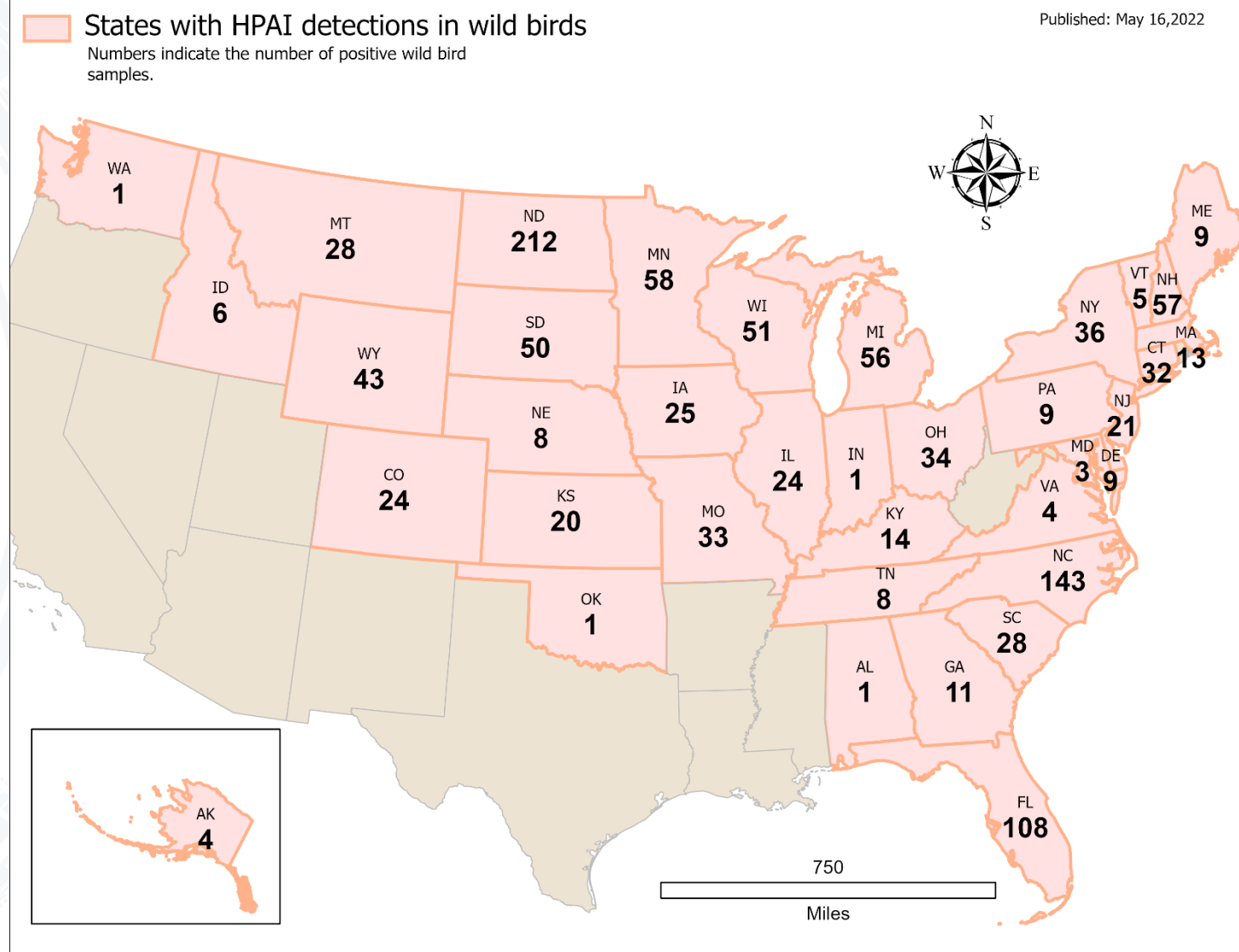
Montana	No new cases	9 total flocks All backyard >78,000 birds
North Carolina	No new cases	9 total flocks All commercial >480,000 birds
Wyoming	No new cases	5 total flocks All backyard birds 280 birds
Virginia	No new cases	1 total flock 1 backyard flock 90 birds
Maryland	No new cases	4 total flocks 4 commercial >1.7 million birds

US Wild Bird H5N1 Avian Influenza

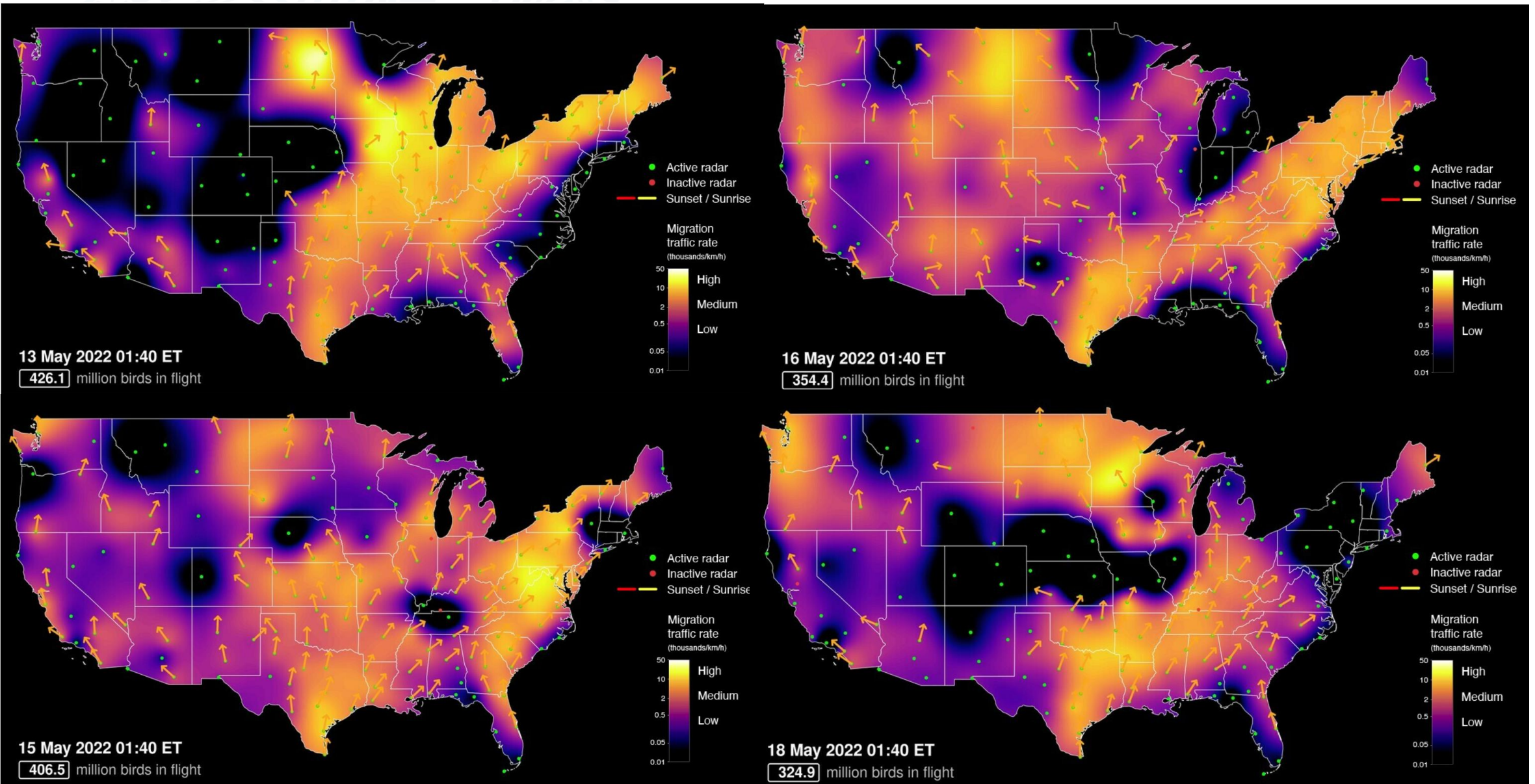
- [US Wild Bird Information](#)
- Idaho and Alaska reporting new wild bird cases
- Biggest increases in border states MT, ND, MN, WI, MI

[Live bird migration map](#)

Ongoing high numbers May 12-17
All flyways moving



Wild Bird Migration

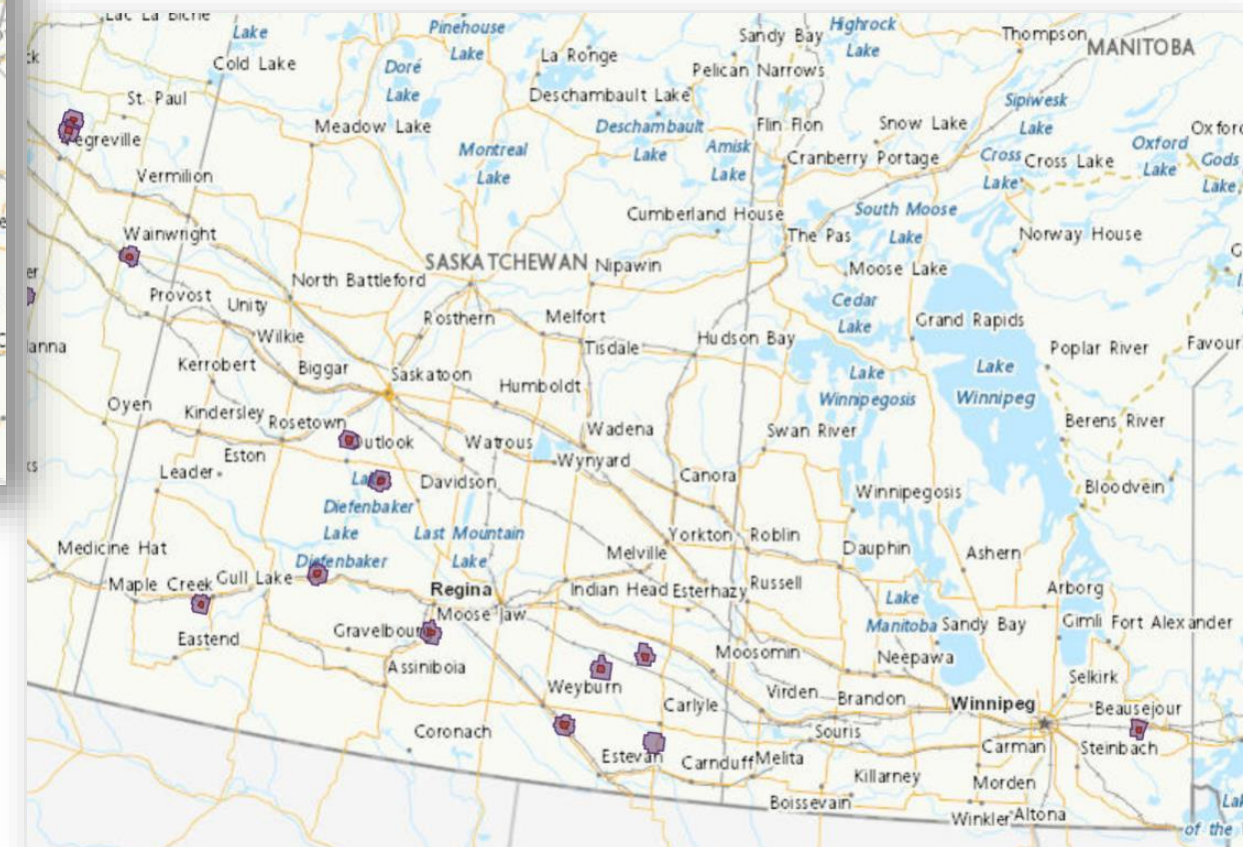
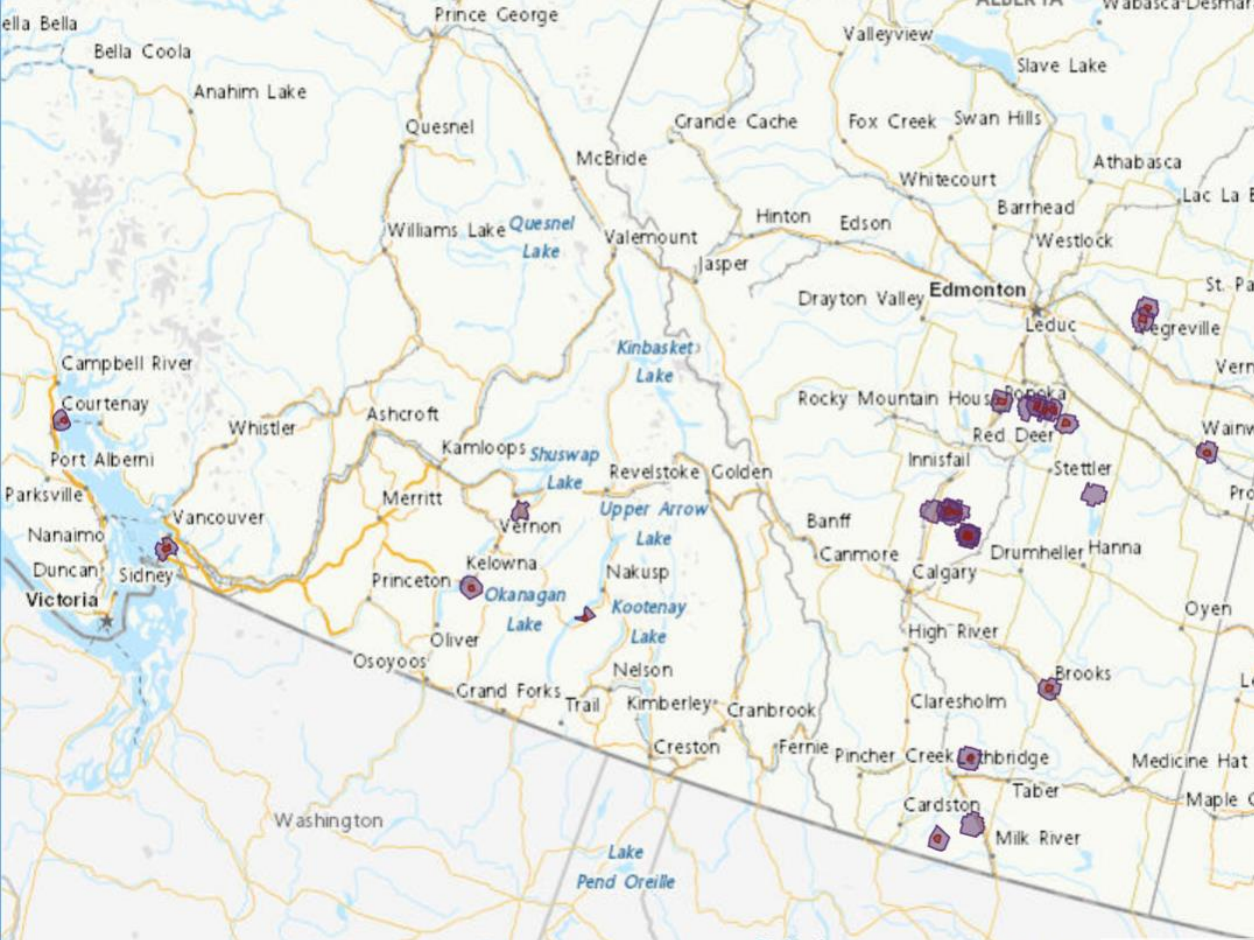


Canadian Domestic Detections – Western

Canadian Detections in Domestic Birds [CFIA Website](#)

Alberta	05/13/2022	Small Flock (non-poultry)
	05/11/2022	Small Flock (non-poultry)
	05/11/2022	Commercial Flock (poultry)
	05/11/2022	Small Flock (non-poultry)
	05/05/2022	Poultry flock
	05/01/2022	Poultry flock
	05/01/2022	Poultry flock
	05/01/2022	Small flock
	04/29/2022	Small Flock
	04/27/2022	Small Flock
	04/25/2022	Poultry flock
	04/24/2022	Poultry flock
	04/23/2022	Small flock
	04/21/2022	Small flock
	04/21/2022	Poultry flock
	04/20/2022	Poultry flock
	04/15/2022	Poultry Flock
	04/14/2022	Small Flock
	04/14/2022	Poultry Flock
	04/14/2022	Poultry Flock
	04/12/2022	Poultry flock
	04/11/2022	Poultry Flock
	04/10/2022	Poultry Flock
	04/09/2022	Poultry Flock
	04/08/2022	Poultry Flock
	04/06/2022	Poultry Flock
	04/06/2022	Poultry Flock
	04/06/2022	Poultry Flock

Saskatchewan	05/13/2022	Small Flock (poultry)
	05/13/2022	Small Flock (non-poultry)
	05/13/2022	Small Flock (poultry)
	05/11/2022	Small Flock (non-poultry)
	05/04/2022	Poultry Flock
	04/27/2022	Small Flock
	04/26/2022	Poultry Flock
	04/24/2022	Poultry Flock
	04/22/2022	Small Flock
	04/22/2022	Poultry Flock
	04/16/2022	Poultry Flock
	04/14/2022	Small Flock
Manitoba	4/23/2022	Poultry Flock
British Columbia	05/10/2022	Small Flock (poultry)
	05/04/2022	Small Flock (non-poultry)
	05/04/2022	Small Flock (poultry)
	05/03/2022	Small Flock (non-poultry)
	05/03/2022	Small Flock (poultry)
	04/27/2022	Poultry Flock
	04/25/2022	Small Flock (non-poultry)
	04/13/2022	Commercial Poultry Flock



Zone Maps - West

Canadian Domestic Detections - East

Canadian Detections in Domestic Birds [CFIA Website](#)

Ontario	05/18/2022	Poultry Flock (commercial)
	05/10/2022	Poultry Flock (commercial)
	05/06/2022	Poultry Flock (commercial)
	05/04/2022	Poultry Flock (commercial)
	05/04/2022	Small Flock (poultry)
	05/04/2022	Small Flock (poultry)
	04/29/2022	Poultry Flock (commercial)
	04/26/2022	Poultry Flock
	04/23/2022	Small Flock
	04/21/2022	Poultry Flock
	04/14/2022	Poultry Flock
	04/14/2022	Poultry Flock
	04/12/2022	Poultry Flock
	04/12/2022	Poultry Flock
	04/10/2022	Poultry Flock
	04/06/2022	Poultry Flock
	04/06/2022	Poultry Flock
	04/05/2022	Backyard Flock
	04/05/2022	Poultry Flock
	04/04/2022	Poultry Flock
	04/02/2022	Backyard Flock
	03/31/2022	Backyard Flock
	03/30/2022	Turkeys
	03/28/2022	Commercial Turkeys
	03/27/2022	Breeder Turkeys
Quebec	05/04/2022	Small Flock (non-poultry)
	05/03/2022	Small Flock (poultry)
	04/21/2022	Poultry Flock
	04/17/2022	Poultry Flock
	04/14/2022	Poultry Flock
	04/13/2022	Small Flock
	04/12/2022	Poultry flock
Nova Scotia	03/15/2022	Backyard Flock
	02/11/2022	Backyard Flock
	02/03/2022	Commercial Flock
	02/01/2022	Backyard Flock
Newfoundland and Labrador	01/09/2022	Backyard Flock
	12/20/2022	Mixed exhibition flock
New Brunswick	4/25/2022	Small Flock



Zone Maps – East

Wild Bird H5N1 Avian Influenza

- [Canadian Wild Bird Information](#)

No new Provinces reporting detections

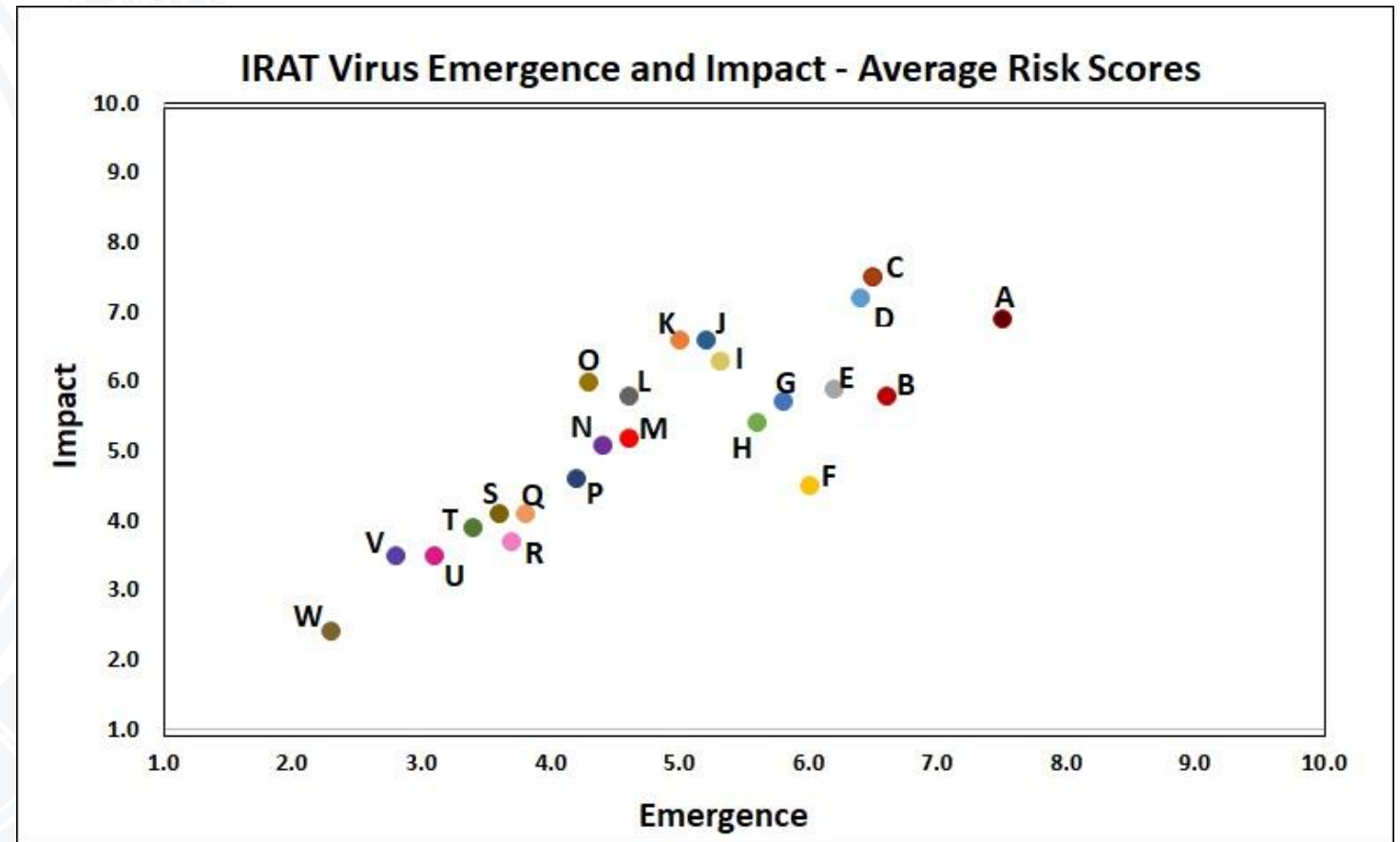
- Manitoba
- Saskatchewan
- Quebec
- Ontario
- British Columbia
- PEI
- Nova Scotia
- Newfoundland and Labrador
- New Brunswick

[Wild Bird Dashboard](#)



Summary of Influenza Risk Assessment Tool (IRAT) Results | Pandemic Influenza (Flu) | CDC

- CDC has added H5N1 to it's IRAT tool
- Risk is considered to be moderate
- [Summary Report](#)



CDC Resources

- [Bird Flu Current Situation Summary](#)
- What to Know About Bird Flu (Fact Sheet in [English](#) and [Spanish](#))
- [Bird Flu Communications Resources](#)
- Bird Flu Transmission (Graphic in [English](#) and [Spanish](#))
- [Avian Influenza Microsite](#) (get up-to-date CDC content on your own website)
- HAN Advisory: [Recommendations for Human Health Investigations and Response](#)