

Apr. 17, 2024: [16] Apr. 12, 2024: [15] **Epidemiological Timeline:** USDA confirms 12 commercial poultry Mar 28, 2024: 28 positive dairy farms in eight states: Mar 19, 2024: ^[5] Apr. 9. 2024: [15] farms positive for HPAI in seven states: Texas (11), Kansas (3), New Mexico (6), A viral sample was collected Concerns voiced about Michigan (4), Texas (1), South Dakota (1) Early Descriptions of H5N1 Michigan (4), Idaho (1), Ohio (1), South from a human in Texas that USDA confirms five commercial poultry unknown illness in dairy cattle Massachusetts (1), Minnesota (1), New Dakota (1), and North Carolina (1) was positive for H5N1 & farms positive for HPAI in four states in Texas Mexico (3), and Kansas (1) sequenced (posted Apr 2) since Mar. 2024: Michigan (2), Texas (1). in the United States (2024) South Dakota (1), and Massachusetts (1) Apr. 1, 2024: [12] Mar 25, 2024: [9] Apr. 12, 2024: [16] Apr. 17, 2024:^[15] USDA confirms 11 Texas confirms Apr. 9, 2024: [14] positive dairy farms in USDA confirms eight commercial poultry Mar 7, 2024: [2] 32 positive dairy farms in eight states: H5N1 in dairy cattle Klein B, Kraemer MUG, Scarpino SV four states: Texas (7), 24 positive dairy farms in eight states: farms positive for HPAI in seven states: Texas (12), Kansas (4), New Mexico (6), Unknown dairy cattle illness first Michigan (2), Texas (1), South Dakota (1), Kansas (2), Michigan (1), Texas (10), Kansas (3), New Mexico (5), Michigan (6), Idaho (1), Ohio (1), South reported publicly by the Texas b.klein@northeastern.edu New Mexico (1) Massachusetts (1), Minnesota (1), New Michigan (2), Idaho (1), Ohio (1), South Mar 27, 2024: Dakota (1), and North Carolina (1) Animal Health Commission Dakota (1), and North Carolina (1) Mexico (1), and Kansas (1) Three viral genomes from moritz.kraemer@biology.ox.ac.uk Apr 24, 2024: [20] goats posted publicly Apr. 10, 2024: [16] Apr. 15, 2024: [16] s.scarpino@northeastern.edu (collected in Minnesota Apr. 1, 2024: [12] NIH NIAID researchers fail to find USDA confirms 9 commercial poultry on Mar 8) USDA confirms six commercial -- USDA confirms H5N1 in dairy live virus in pasturized milk that farms positive for HPAI in seven states: Last updated: Friday 26 April, 2024 poultry farms positive for HPAI in cattle in New Mexico was PCR positive for H5N1 Mar 8. 2024: [3] Mar 20, 2024: [6] Michigan (2), Texas (1), South Dakota (1), five states: Michigan (2), Texas (1), Samples collected from goats in Minnesota Board of Animal Massachusetts (1), Minnesota (1), New South Dakota (1), Massachusetts Apr 24, 2024: [19] Minnesota (n=3) that were Health announces H5N1 in Mexico (2), and Kansas (1) (1), and Kansas (1) positive for H5N1 & sequenced USDA announces mandatory aoats Apr. 3, 2024: [15] Apr. 1, 2024: [11] (posted Mar 27) - testing for movement of dairy 17 positive dairy farms in six First human infection cattle across state borders states: Texas (9), Kansas (3), Feb 2024:^[2] Apr. 10, 2024: [15] Apr. 15, 2024: [15] reported in Texas New Mexico (2), Michigan (1), Apr. 24, 2024: [16] Mar 22, 2024; [8] Earliest reports of unknown 26 positive dairy farms in eight states: 29 positive dairy farms in eight states: Mar May Feb Apr ----- Idaho (1), and Ohio (1) USDA confirms 13 commercial poultry Mystery illness reported Texas (11), Kansas (3), New Mexico (6), Texas (11), Kansas (3), New Mexico (6), dairy cattle disease in Texas farms positive for HPAI in seven states: in dairy cattle in Texas & Michigan (5), Idaho (1), Ohio (1), South Apr. 3, 2024: [16] Michigan (2), Idaho (1), Ohio (1), South Michigan (5), Texas (1), South Dakota (1), New Mexico Dakota (1), and North Carolina (1) Dakota (1), and North Carolina (1) Positive HPAI at commercial 2024 Massachusetts (1), Minnesota (1), New poultry farm in Ionia, MI Mexico (3), and Kansas (1) Mar Feb Apr Mav Apr. 6, 2024: [15] Mar 20, 2024: Mar 8, 2024: Apr. 2. 2024: Apr. 16, 2024: [15] 20 positive dairy farms in six Samples collected from Cattle transferred from dairy First genome collected from a --- states: Texas (9), Kansas (3), - - 10 viral genomes from felines dairy cattle in Texas (n=5) that! farm in Texas (that later tested Apr 25, 2024: [21] human posted online were positive for H5N1 & New Mexico (4), Michigan (2), posted publicly (collection Feb 2024: positive) to a farm in Ohio that (collected in TX on Mar 28th) Idaho (1), and Ohio (1) date & location not provided) sequenced (posted Mar 27) Evidence that 30 - 40% of USDA declares ongoing tested positive on April 2 commercial milk samples outbreak of HPAI in Apr. 2, 2024: [13] Apr. 5, 2024:^[15] Apr. 16, 2024: [16] were PCR positive for H5N1 commercial poultry farms Mar 27, 2024: _ Dairy farm in Idaho confirmed USDA confirms 10 commercial poultry - One viral genome from dairy Five viral genomes from positive for H5N1 farms positive for HPAI in seven states: cattle posted publicly Mar 15, 2024: [4] dairy cattle posted publicly Apr. 21, 2024: [17] Michigan (3), Texas (1), South Dakota (1), (collected in TX on Mar 20th) (collected in TX on Mar 20) HPAI detected in wild Massachusetts (1), Minnesota (1), New USDA posts 239 additional Apr. 2, 2024: [14] birds in Texas Apr. 5, 2024: [15] Mexico (2), and Kansas (1) H5N1 genomes from birds Poultry farm in Texas and dairy cattle confirmed positive for H5N1 18 positive dairy farms in six Mar 22, 2024: ^[7] - states: Texas (9), Kansas (3), Apr. 11, 2024:^[16] Additional dairy testing New Mexico (2), Michigan (2), USDA confirms seven commercial Apr. 2, 2024: [13] Apr 23, 2024:^[18] . https://www.aphis.usda.gov/livestock-poultry-disease/avian/avian-influenza/hpai-detections/commercial-backyard-flocks/ initiated due to concerns Idaho (1), and Ohio (1) poultry farms positive for HPAI in six https://www.brownfieldagnews.com/news/texas-new-mexico-officials-investigate-mystery-dairy-cattle-illness/ _____ 15 positive dairy farms in six about unknown infection in Analysis of 239 additional - states: Michigan (2), Texas (1), states: Texas (7), Kansas (3), 4. https://www.tahc.texas.gov/news/2024/2024-03-15_HPAI_MooreCo.pdf genomes suggests South Dakota (1), Massachusetts New Mexico (2), Michigan (1), (1), Minnesota (1), and Kansas (1) cow-to-cow transmission 6. https://www.bah.state.mn.us/news_release/stevens-county-goat-tests-positive-for-same-influenza-virus-affecting-poultry/ Idaho (1), and Ohio (1) Mar 22, 2024: [9] Apr. 11, 2024: [15] https://www.dairyherd.com/news/dairy-production/mystery-illness-now-affecting-dairy-cows-texas-new-mexico-industry-searches Apr 23, 2024:^[18] PAHO warns of increased Apr. 2, 2024: [4] 28 positive dairy farms in eight states: HPAI in mammals in the Ohio Department of Agriculture -- Texas (11), Kansas (3), New Mexico (6), Analysis of 239 additional Americas announces positive H5N1 cases Michigan (4), Idaho (1), Ohio (1), South genomes suggests a single in a dairy farm in Wood County Dakota (1), and North Carolina (1) origin for the ongoing dairy 13. https://www.aphis.usda.gov/news/agency-announcements/usda-confirms-highly-pathogenic-avian-influenza-dairy-herd-idaho 4. https://www.texasagriculture.gov/News-Events/Article/9961/COMMISSIONER-MILLER-CONFIRMS-CAL-MAINE-FOOD-S-TEXAS-POULTRY-FACILITY-TESTS-POSI cattle outbreak Apr. 19, 2024: [15] 5. https://www.aphis.usda.gov/livestock-poultry-disease/avian/avian-influenza/hpai-detections/livestock 33 positive dairy farms in eight states: Texas (12), Kansas (4), New Mexico (6) 8. https://x.com/MichaelWorobey/status/1782880126042271931; https://x.com/MichaelWorobey/status/1782880126042271931 Michigan (6), Idaho (2), Ohio (1), South 20. https://www.statnews.com/2024/04/24/h5n1-bird-flu-usda-orders-dairy-cow-testing/ Dakota (1), and North Carolina (1)

21. https://www.statnews.com/2024/04/25/h5n1-bird-flu-cows-outbreak-likely-widespread/