

West Nile virus transmission season 2021, EU/ EEA and neighbouring countries

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Expert Emerging and Vector-borne Diseases

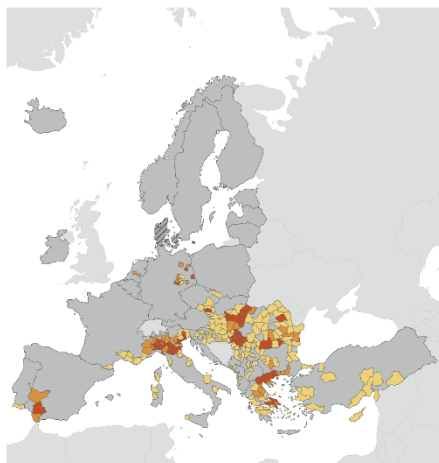
PAFF Meeting, 11 May 2022

Seasonal surveillance of West Nile virus infections at ECDC

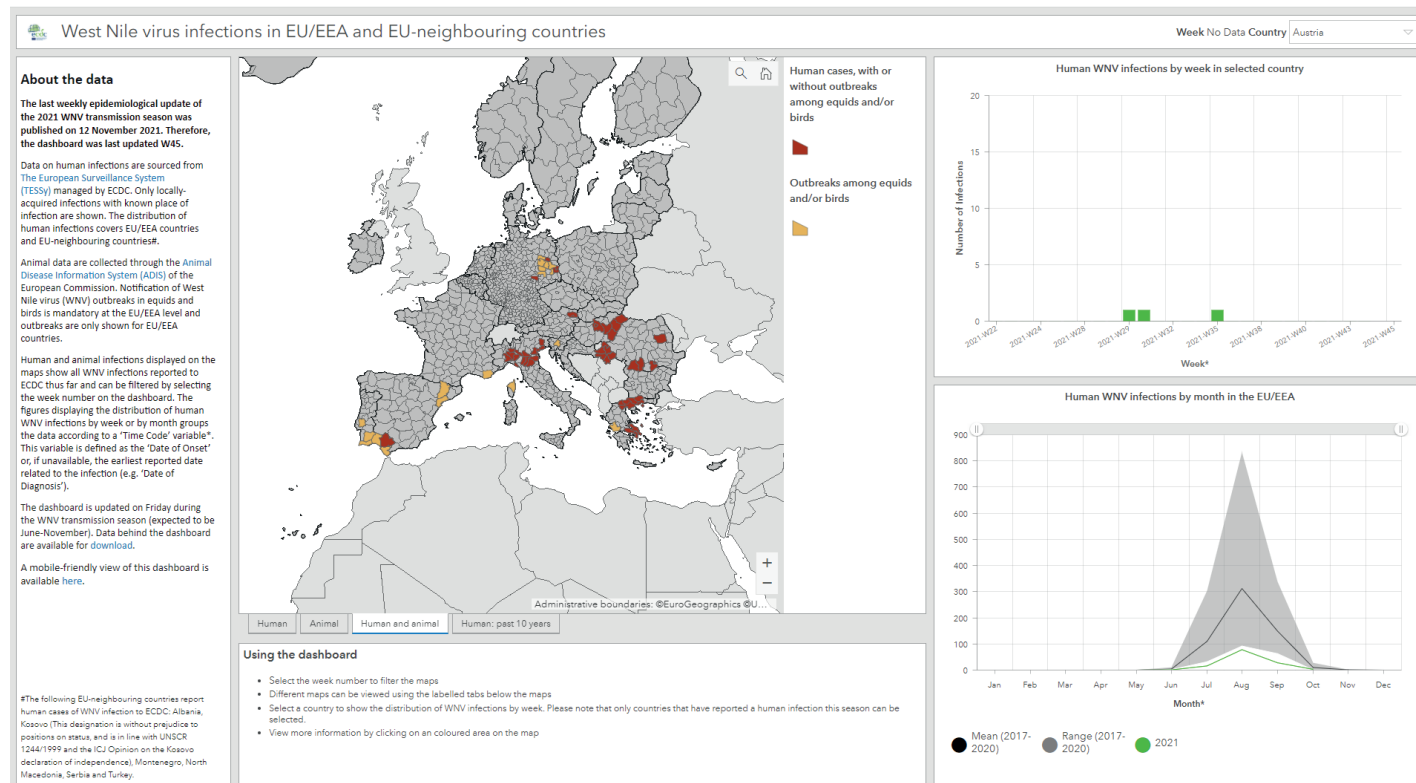
- Weekly updates from June to November (on ECDC website)
- Includes human WNV infections (TESSy) and outbreaks among birds (since 2019) and equids (since 2017) (ADIS)
- Dashboard, 4x static maps and downloadable data file



Distribution of human West Nile virus infections in NUTS 3 or GAUL 1 regions in the EU/EEA and neighbouring countries during 2011–2022, as of 10 February 2022



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Download weekly WNV data

Human cases of WNV infection, 2021

- Seven EU/EEA countries reported **139 locally acquired infections** with known place of infection, including **10 deaths**.
- No new countries reported human (or animal) WNV infections
- Burgenlandkreis and Spree-Neisse, Germany and La Spezia, Italy reported locally acquired cases for the first time.
- **First infection:** Italy, with disease onset in week 24 (14 to 20 June).
- **Last infection:** Greece, with disease onset in week 43 (25 to 31 Oct).
- Five **travel-related infections** associated with travel to the US (3), Mayotte (1) and Cyprus (1).
- **EU-neighbouring countries** reported 18 infections, including three deaths; all reported by Serbia.

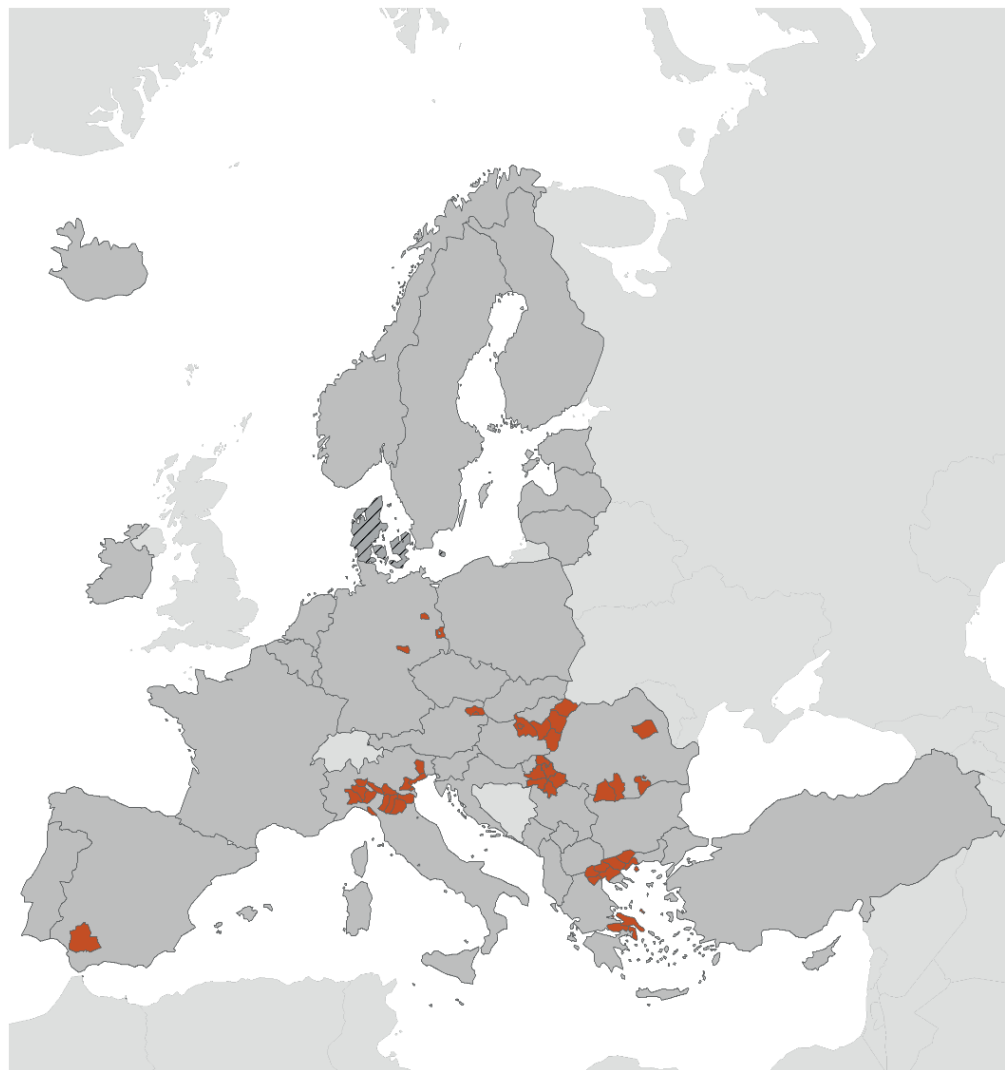
Locally acquired human WNV infections 2021

Distribution of human West Nile virus infections in NUTS 3 or GAUL 1 regions of the EU/EEA and neighbouring countries during the 2021 season, as of 10 February 2022

- Human infections reported
- No data reported
- No infections reported
- Not included

Countries not visible in the main map extent

- Malta
- Liechtenstein



Country	2015	2016	2017	2018	2019	2020	2021
Austria	6	5	6	21	4	0	3
Bulgaria	2	2	1	15	5	1	0
Croatia	1	2	5	58	0	0	0
Cyprus	0	1	0	1	23	0	0
Czechia	0	0	0	5	1	0	0
France	1	0	2	27	2	0	0
Germany	-	-	-	1	5	14	4
Greece	0	0	48	315	227	144	59
Hungary	18	44	20	215	36	3	7
Italy	61	76	53	610	54	67	55
Netherlands	0	0	0	0	0	7	0
Portugal	1	0	0	0	0	0	0
Romania	32	93	66	277	67	6	7
Slovakia	0	0	0	0	1	0	0
Slovenia	0	0	0	4	0	0	0
Spain	0	3	0	0	0	77	6
EU total	122	226	201	1549	425	319	141

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WNV outbreaks among equids and birds 2021



Distribution of animal West Nile virus outbreaks in NUTS 3 regions of the EU/EEA during the 2021 season, as of 10 February 2022

- Outbreaks among equids and birds
- Outbreaks among equids
- Outbreaks among birds
- No outbreaks reported
- Not included

Countries not visible in the main map extent

- Malta
- Liechtenstein







Country	2018		2019		2020		2021	
	equids	birds	equids	birds	equids	birds	equids	birds
Austria	2		4		2			
Bulgaria		1				2		
Croatia		2						
Cyprus								
Czechia								
France	13	4	13		5		2	
Germany	2	10	31	53	23		16	
Greece	15	6	21	1	1		1	
Hungary	91		7		1		3	
Italy	149		8		16		6	
Netherlands								
Portugal	1		3		2		4	
Romania	2							
Slovakia								
Slovenia	1	1						1
Spain	9		6		133		11	7
EU total	285	24	93	54	183	2	43	8

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Human and animal WNV infections 2021

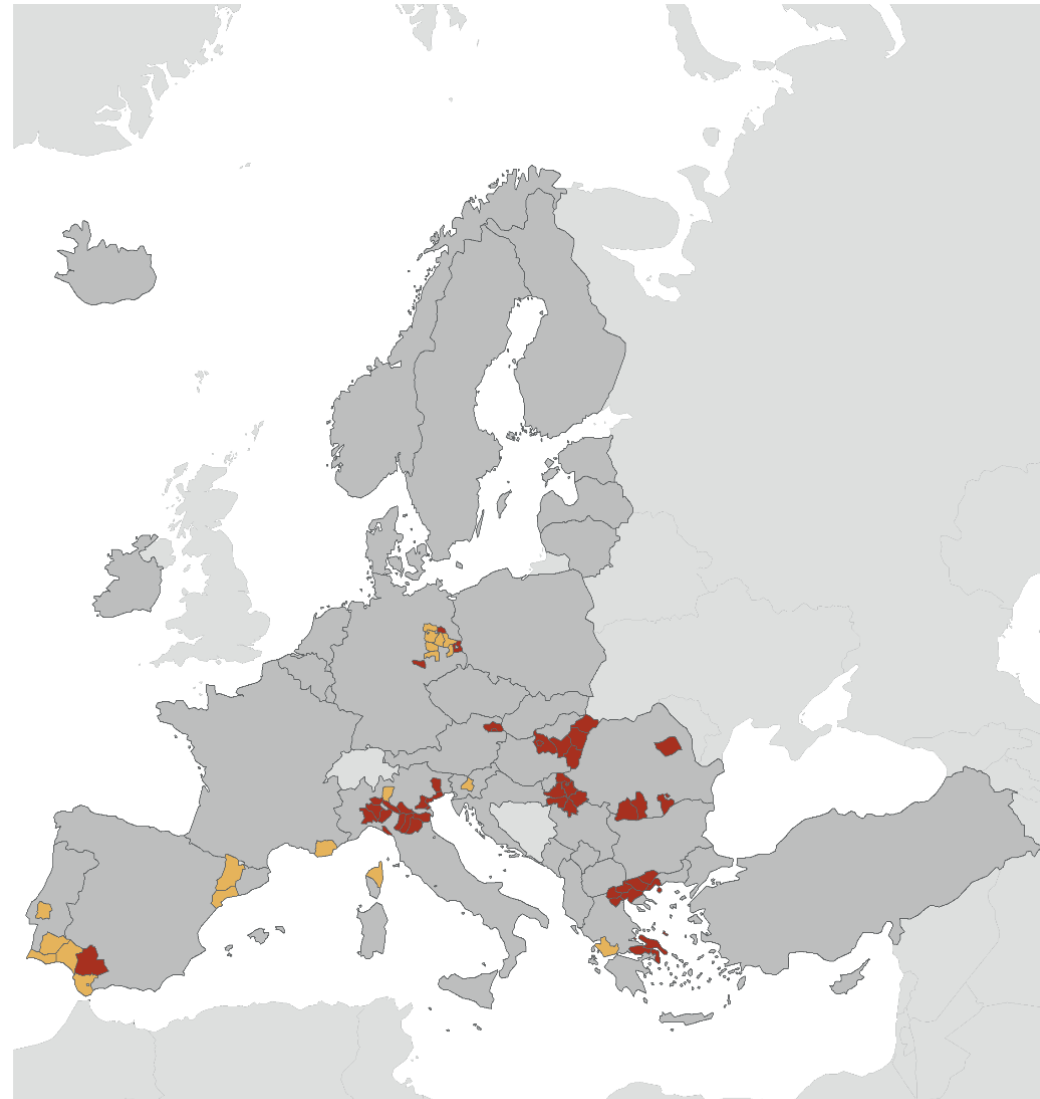


Distribution of human and animal West Nile virus infections in NUTS 3 or GAUL 1 regions of the EU/EEA and neighbouring countries during the 2021 season, as of 10 February 2022

-  Human infections, with or without outbreaks among equids and/or birds
-  Outbreaks among equids and/or birds
-  No infections reported
-  Not included

Countries not visible in the main map extent

-  Malta
-  Liechtenstein



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Many thanks!

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National Focal Points for EVD