

EpiPulse Cases.

Quick guide.

The new design of EpiPulse Cases is the first step of improving user experience during submitting epidemiological surveillance data for the communicable diseases and related special health issues.

A new (single page) EpiPulse Cases application is available for the users.

When a nominated user selects to use the new EpiPulse Cases lands in the main page of the application (called "Submissions page"):

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<u>م</u> تو ا		Date uploaded ↓	Subject code $=$	File name	Status ,	Reporting period	
		Q Pick a date	Q Search	Q Search	Q Search		
		2024-06-26 10:52:07	DIPH	Diphtheria WebUpload recordPrefix7	Data validation failed	2024-06-26	2024-06-26 문
		2024-06-25 10:03:54	ECOLIISO	TestFile_ECOLIISO_NL-MOLSURV.xml	Tech validation successful	2022-05-29	2022-05-29
		2024-06-25 10:00:54	DIPH	TestFile_DIPH_NL-OSIRIS.xml	Data change rejected	2017-08-14 -	2017-08-14
		2024-06-25 09:59:21	CAMPISO	TestFile_CAMPISO_NL-MOLSURV.xml	Tech validation successful	2021-11-24	2021-11-24
		2024-06-25 09:56:43	DIPH	TestFile_DIPH_NL-OSIRIS.xml	Data validation failed	2017-08-14 -	2017-08-14
		2024-06-21 10:33:56	HAEINF	Haemophilus infection_test_202406	Data change rejected	2024-05-25	2024-05-25
		2024-06-21 09:04:47	ANTHAGGR	Anthrax aggregated WebUpload	Data change rejected	2024-05-01	2024-05-31
		2024-06-21 09:02:21	ANTH	ZeroReporting_21-06-2024 09.02.xml	Data change rejected	2024-06-21	2024-06-21
		2024-06-21 07:24:35	ANTH	Anthrax WebUpload 5	Data change rejected	2024-06-21	2024-06-21
		2024-06-21 07:23:55	ANTH	Anthrax WebUpload recordPrefix4	Data validation cancelled	2002-11-09	2002-11-09
	10	15 20				1 2 3 4	5 108 Manage cookies

This page provides an overview of the current state of the already submitted data, with some useful searching or sorting functionalities:

Date uploaded ↓	Subject code $ arr = a$	File name	Status ≂
Q Pick a date	Q S E Select all	Search	Q Search
< June 2024 >	DIPH (Blanks)	alle Contains id recordPrefix7	Data validation failed
Sun Mon Tue Wed Thu Fri Sat	ECOL AMRISO	Does not contain	Tech validation successful
2 3 4 5 6 7 8 9 10 11 12 13 14 15	DIPH AMRISO\$AST	Ends with	Data change rejected
16 17 18 19 20 21 22 22 24 25 26 27 28 20	CAMF	= Equals	Tech validation successful
30 1 2 3 4 5 6	OK CANCEL		Data validation failed
2024-06-21 10:33:56	HAEINF	Haemophilus infection_test_202406	Data change rejected



Additional functionalities for the way information appears is also available.

The user is able to add or remove columns or select to view only files uploaded from the current user:

			Y submissions
	Column visibility	×	् 🖉 🖉
Status	0	- 1	Disease .
Q Search	Q Search column		Q Search
Data validation failed	Select all	E) DIPH
Tech validation successfu	Date uploaded	- 1	
	File name	- 1]
Data change rejected	Reporting period	- 1) DIPH
Tech validation successfu	✓ Disease	- 1) CAMP
Data validation failed	Health topic) DIPH

Multiple options are available for the user to upload data.

Depending on the permissions of the user, all or some of the following options are available:

	ę	ecoc EpiPulse Cases	e e e e e e e e e e e e e e e e e e e					≡ •	© ~
ш	Report	cases and isolates							•••••• G ##
50		Date uploaded 4	Subject code			Status		Reporting period	Disease =
		🔍 Pick a date 🚺	Q Search		Q Search	Q Search	- 1		Q Search
		2024-06-26 10:52:07	DIPH	Report cas	es and isolates		×	24-06-26	DIPH
		2024-06-25 10:03:54	ECOLIISO	Choose the acti	ion type			22-05-29 - 2022-05-29	
		2024-06-25 10:00:54	DIPH	 Add/Updat Replace date 	te data			17-08-14 - 2017-08-14	DIPH
		2024-06-25 09:59:21	CAMPISO	O Manually c	reate a record			21-11-24 - 2021-11-24	CAMP
		2024-06-25 09:56:43	DIPH	O Zero report	ung		Next	17-08-14 - 2017-08-14	DIPH
		2024-06-21 10:33:56	HAEINF					24-05-25 - 2024-05-25	HAEINF
		2024-06-21 09:04:47	ANTHAGGR					24-05-01 - [2024-05-31	ANTH
		2024-06-21 09:02:21	ANTH		ZeroReporting_21-06-2024 _	Data change rejected		2024-06-21 - 2024-06-21	ANTH
		2024-06-21 07:24:35	ANTH		Anthrax WebUpload 5	Data change rejected		2024-06-21	ANTH
		2024-06-21 07:23:55	ANTH		Anthrax WebUpload record	Data validation cancelled		2002-11-09 - 2002-11-09	ANTH
	10	15 20						0	2 3 4 5 108 Manage cookies



The user can upload data (for both "Add/Update" or "Replace" upload action types) by using three different types of files: csv, xml or zip (that contain csv or/and xml files).

The application automatically performs all required checks, so that the user could proceed with the upload:

		ecoc EpiPulse	Cases ~	≡	@ ~
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		Date uploaded	Add/Update data ×	Reporting period	
		Q Pick a date			
		2024-06-27 15:13:36	* Allowed Te spec CE 2010, 2.29 * Nationum files see 408	2021-08-29	- 2021-08-29
		2024-06-27 15:08:58	Select files or Drag and drop files here	2021-08-29	- 2021-08-29
		2024-06-27 11:51:46	× File exceeds the maximum upload size	yyyy-mm-dd	• yyyy-mm-dd
		2024-06-27 09:34:20	MEN_UN_2022_09-05.CSV Start date End date X Ready to upload The Start and End dates are not relevant for this subject Y000000000000000000000000000000000000	2023-01-13	- 2023-01-21
		2024-06-27 09:29:28	× test_doc_file.docx File type is not allowed	2023-01-13	· 2023-01-21
		2024-06-26 10:52:07	X MENLINL_xml_02230410-62.XML Ready to upload	2024-06-26	- 2024-06-26
		2024-06-26 09:48:52	MENLNLzip_2023.rip Ready to upload Ready to upload Ready To upload Ready To upload	2023-01-13	- 2023-01-21
		2024-06-25 11:26:03	DELA GUETR	2023-01-13	- 2023-01-21
		2024-06-25 10:03:54		2022-05-29	- 2022-05-29
		2024-06-25 10:00:54	DIPH TestFile_DIPH_NL-OSIRIS.xml Data change rejected	2017-08-14	- 2017-08-14
	10	15 20		1 2 3	4 5 131 Manage cookies

The user can also create manually the required data submission, using the "Manually create" and/or "Zero reporting" functionalities.

A wizard, using all required fields as specified in metadata, will help user fill the data. Auto-validation functionality during the process helps user avoid errors:

Base info General Patient information	Clinical information	Place of infection and travel Laboratory information	ation		
Case classification • *		Date of onset of disease		Date of investigation	
Select	0 -	2024-05-30	×	2024-06-02	×
Case classification is required		Hospitalisation		Outcome of case	
i		YES	⊗ -	D	⊗ -
Clinical criteria status		Complication diagnosis		Cluster related	
YES	× ×	отн 🕲 :	\otimes	YES	⊗ -
Cluster identification		Cluster setting		Date of last vaccination	
		UNI 🕲	\otimes	2024-06-20	×
Vaccination status					
4DOSE	⊗ -				
					Back Next



The user can proceed through the flow by using an emerging floating "actions" bar:

Report	cases and isolates Edit record					🖜 ् 🖬
-	Date uploaded ↓	Subject code 👳	File name	Status ,	Reporting period	Disease ,
	Q Pick a date 💼	Q, Search	Q, Search	Q Search		Q Search
	2024-06-26 10:52:07	DIPH	Diphtheria WebUpload reco	Data validation failed	2024-06-26	DIPH
	2024-06-25 10:03:54	ECOLIISO	TestFile_ECOLIISO_NL-MOL	Tech validation successful	2022-05-29 - 2022-05-29	
1 item	selected			Upload WGS file	s Hierarchical file validation Disc	ard Start data validation 🗙
	2024-06-25 09:59:21	CAMPISO	TestFile_CAMPISO_NL-MO	Tech validation successful	2021-11-24 - 2021-11-24	CAMP

The actions appearing are controlled by configuration related to the combination of rules for each file selected (submission status, subjectcode etc.) and the user's permissions:

Report	cases and isolates Edit record							🖜 ० द) II
-	Date uploaded	↓ Subje	ct code 🤤	-	File name	Status	Reporting period	Disease	₹
	Q Pick a date	🖬 Q s	earch	q	کې Search	Q Search		Q Search	
	2024-06-26 10:52:07	DIPH		0	Diphtheria WebUpload reco	Data validation failed	2024-06-26	DIPH	
	2024-06-25 10:03:54	ECOL	IISO	٦	TestFile_ECOLIISO_NL-MOL	Tech validation successful	2022-05-29		
_						Barra alternation and a state of			
2 item	s selected						Disc	ard Start data validation	×
	2024002003.33.21	VAIN	100		TEST HE ORIVITIO TEST HE WO		20211124	URITI .	
	2024-06-25 09:56:43	DIPH		1	TestFile_DIPH_NL-OSIRIS.x	Data validation failed	2017-08-14 - 2017-08-14	DIPH	

The reporting of molecular surveillance and required WGS data (Raw reads and/or Assembly files) is also a user-friendly process for the user.

Data could be uploaded using some of the options mentioned above and/or as a hierarchy of datasets which is used to submit complex files:

		ecoc EpiPulse Ci	ases	~		≡ ~	@~ @		
ш , е	Report	t cases and isolates Fritre	cord						
	-	Date uploaded	Ļ	Subject code =	File name	Status –	Reporting period	4	
		Q, Pick a date		Q Search	Q. Search	Q Search			
	~	2024-07-05 08:58:53		AMRISO, AMRISO \$AST	1.AMRISO_NL 20240408_171259CSV 2.AMRISO_NLAMRISO_AST_ VL_2	Tech validation successful	2023-01-13	- 2023-01-21	
	1 item	selected			Upload WG	S files Hierarchical file validation	Discard Start data	validation ×	
		2024-07-05 14:43:00		AMRISO	TestFile_AMRISO_NL-AMRISO.xml	Tech validation successful	2021-08-29	- 2021-08-29	
		2024-07-05 12:51:18		AMRISO, AMRISO \$ AST	1.AMRISO_NL_20240408_171259.CSV,2.AMRISO_NLAMRISO_AST_NL_20	Data validation failed	2023-01-13	- 2023-01-21	
		2024-07-04 09:03:00		AMRISO	AMRISO_NL_xml_20240704_104823.XML	Data change rejected	2023-01-13	- 2023-01-20	
		2024-07-04 09:00:17		AMRISO	AMRISO_NL_xml_20240704_104823.XML	Tech validation failed 🔺	yyyy-mm-dd	- [yyyy-mm-dd	
		2024-07-04 08:58:53		AMRISO	AMRISO_NL_xml_20240704_104823.XML	Tech validation failed 🔺	yyyy-mm-dd	- (yyyy-mm-dd	



Or, in case of additional data required, after selecting the related action from the actions bar, a popup window guides the user to the next steps.

Uploading the WGS data files, using the related window:

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	Report	cases and isolates Edit rec	ord						🔷 o 🖬	88
_	-	Date uploaded	Upload WGS data files (1/2	2)			×		Disease	
		2024-06-26 10:52:07	* Maximum file able 408 Select files or Drag and drop fil	les here					DIPH	
		2024-06-25 10:03:54	Paw reads files		Accombly files					
	1 item s	selected	No raw reads files found		NationalRecordid6006560132220.fa			Disc	ard Start data validation	×
		2024-06-25 09:59:21	I've completed the upload of the WGS file	es / There is no need to upload WGS files.			Next		CAMP	
		2024-06-25 09:56:43							DIPH	
		2024-06-21 10:33:56							HAEINF	
		2024-06-21 09:04:47							ANTH	
		2024-06-21 09:02:21	ANTH	ZeroReporting_21-06-2024	Data change rejected	2024-06-21	- 2024-06-21		ANTH	
		2024-06-21 07:24:35	ANTH	Anthrax WebUpload 5	Data change rejected	2024-06-21	2024-06-21		ANTH	
		2024-06-21 07:23:55	ANTH	Anthrax WebUpload record.	_ Data validation cancelled	2002-11-09	- 2002-11-09		ANTH	je cookies

And then, after using the required genomic files naming conventions, proceed to the WGS file validation:

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\$	Report	cases and isolates Edit re	scord					🗢 o 🖬 🖩
	-	Date uploaded	Upload WGS data files (2/2)			×		Disease =
		Q Pick a date	Raw reads files				^	Q Search
		2024-06-26 10:52:07	Select sequence files naming convention					DIPH
		2024-06-25 10:03:54	<prefix>.<recordid>.<suffix></suffix></recordid></prefix>					
	1 item	selected	«Prefix>_ <recordid>_<suffix></suffix></recordid>				Disc	ard Start data validation 🗙
		2024-06-25 09:59:21	<prefix>-<recordid>-<suffix></suffix></recordid></prefix>					CAMP
		2024-06-25 09:56:43	<recordid></recordid>					DIPH
		2024-06-21 10:33:56	<recordid>.<suffix></suffix></recordid>			Ť		HAEINF
		2024-06-21 09:04:47	<recordid>-<suffix></suffix></recordid>		Back	Start ISO files validation		ANTH
		2024-06-21 09:02:21	ANTH	ZeroReporting_21-06-2024	Data change rejected	2024-06-21 - 2024-06	⊧21	ANTH
		2024-06-21 07:24:35	ANTH	Anthrax WebUpload 5	Data change rejected	2024-06-21 - 2024-06	+21	ANTH
		2024-06-21 07:23:55	ANTH	Anthrax WebUpload record	Data validation cancelled	2002-11-09 - 2002-11	-09	ANTH Manage cookies



During the submission flow for both types, epidemiological and molecular surveillance, user can follow up the progress of his submission(s) and view details of the current submission state as well as some useful information about the content of the submitted file and the timeline of the previous steps:

Report cases	and isolates Edit record					• • G = #
					×	sease ,
٩	Details Data validation report					Search
2	Details					РН
2	File name RUBE_NL_20240530_170105_	REP_COL1.csv			B	JBE
_	Subject RUBE		Date used for statistics	2023/06/10 - 2023/11/04		
2	Disease RUBE		Reporting period	2023/06/10 - 2023/11/04		JBE
	Health topic		Number of records	2		JBE
	Action type Add/Update					
2	Status timeline					CHF
2						CHF
2	Start of tech validation 2024-06-19 15:30:49 ZDEV\EPC_NL_GENERAL-U	Tech validation successful 2024-06-19 15:30:52	Start of data val 2024-06-27 17: ZDEV\EPC_NL_GE	lidation :29:23 ENERAL-U	Data validation report ready 2024-06-27 17:33:22 Go to the Data validation report	ENI
2					tab to approve or reject data	ENI
2						HOL
2024	4-06-18 08:37:04 ANTH	TestFile_ANTH_NL-OSIRIS.csv	Data validation	cancelled 2000-01-01	- 2024-06-04	ANTH

Viewing "Data validation report" is the next-to-last step in order for the user to conclude with the submission of the data:

	fee ec	Cases ~						≡ -	@ ~	© ~
հե	Report ca	ises and isolates Edit record								💶 🗘 🖬
<u>م</u> تو		D								× sease ,
	c	Details Data validation repo	rt							Search
		² Data validation report							1	РН
		21								JBE
		2 Technical Validation 2 Report	Data sources used previously	Metadata Validation	Cross-field Validation	Completeness	Epidemiological Validation	Conclusions	Approval	JBE
		2)								JBE
		2 Report generation: 2024	-06-27 17:29:23		Country	/: Netherlands				CHF
		Disease/Health topic: R	UBE - Rubella		Submit	ted by: EPC_NL_GENER	V-LAS			CHF
	-	Technical Validat	tion Report							
		2 Submission details Reco	ords Variables							ENI
		2 RUBE	AL-OSIRIS 2023-0	ing period 5-10 to 2023-11-04	File RUBE_NL_20240530		,	Adding records		ENI
		2								HOL
		2024-06-18 08:37:04	ANIH Testi	IIE_ANTH_NL-USIRIS.cs\	/	на чаниации сапсен	eu 2000-01-01	- 2024-06-0	04	ANTH
	10	15 20							1 2 3	4 5 108



The user reviews information included in the report:



	ŧ,	Cases ~	E	~ @ ~	@ ~
հե	Report	t cases and isolates Edit record			••• • G ==
2 2		C Details Data validation report			
		Data validation report		4	121-05-23
		· · · · · · · · · · · · · · · · · · ·	• • •		324-04-02
		Technical Validation Data sources used Metadata Validation Cross-fie Report previously	ld Validation Completeness Epidemiological Conclusion: Validation	s Approval	124-06-27
		Conclusions			yy-mm-dd
		No warnings from metadata validation have been found in the file(s) submitted.			321-05-23
	-	A total of 20 inconsistencies from cross-field validation have been found in the file(s) s	ubmitted.		
	U.	The folowing indicators have been identified as having a low level of completeness and mi SubjectCode Variable:	ght be excluded from future reports:		321-05-23
		MENI Vaccinati	on Code		124-05-25
					124-05-25
					224-05-30
		2024-06-2018:54:56 HAEINF Haemop	hllus infection_test_202406 Data validation failed	2024-05-25	- 2024-05-25
	10	15 20	0	2 3 4	5 6 7 8 9
	Version: EP	EPC 1.12.7.0, Metadata 1.5.0, R_API 3.9.3			Manage cookies



and then decides whether submitted data should be stored (approved) or discarded (rejected):

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ևե	Report cases a	and isolates Edit record								• • G	88
									×	sease	Ŧ
	٩	Details Data validation report								Search	
	20	Data validation report							в	РН	Ţ
	20								•	JBE	
	20	Technical Validation Report	Data sources used previously	Metadata Validation	Cross-field Validation	Completeness	Epidemiological Validation	Conclusions	Approval	JBE	
	20									JBE	
	20	Approval								CHF	
	20	Approve	ct that report:							CHF	
	20	O Reject								ENI	
	20	Submit								ENI	
	20									HOL	
	- 2407	-00-10-00.37.04					1200001/01	1-12024-00-04			
	15	20						1	2 3	5 10	8
	15									Manage	cookies

Given that the user approves data submission, information is updating the ECDC data warehouse.

dit a	record										;
Disea	ise		н	lealth topic				Subject code *			
RUB	E - Rubella		🛞 🖌 🛛 S	elect		•		RUBE - Rubella		8	*
Natio	inal record ID					Data source					
						NL-OSIRIS			8	*	
Date	used for statistics(from)		Date used for statisti	cs(to)		Uploaded on (from)		Uploa	Uploaded on (to)		
						 					
Uploa	aded by		A	pproved on				Approved by			
			у	yyy-mm-dd		Ξ.					× *
Del	ete								Sea	arch	r)
	Natio Ial record ID	Data source	Date used for statistics	Uploaded on ↓	U	ploaded by		Approved on	Approved by		
	1084 81	NL-OSIRIS	2013-07-22	Nov 7 2023 3:10PM	E	CDCDMZ\EPCPNEUPOLIRUBE					
	rubet st2501	NL-OSIRIS	2024-01-01	Jan 25 2024 12:38PM	E	CDCDMZ\EPCPNEUPOLIRUBE		Jan 25 2024 12:43PM	ECDCDMZ\EPCPNEUP	1	1
~											
	recordPrefix0	NL-OSIRIS	2018-05-26	Feb 6 2024 3:22PM	E	CDCDMZ\EPC_NL_GENERAL-U				1	Н
	recordPrefix0	NL-OSIRIS NL-OSIRIS	2018-05-26 2018-05-26	Feb 6 2024 3:22PM Feb 6 2024 3:22PM	E	CDCDMZ\EPC_NL_GENERAL-U				1	
	recordPrefix0 recordPrefix1 recordPrefix5	NL-OSIRIS NL-OSIRIS NL-OSIRIS	2018-05-26 2018-05-26 2018-05-26	Feb 6 2024 3:22PM Feb 6 2024 3:22PM Feb 6 2024 3:22PM	E	CDCDMZ\EPC_NL_GENERAL-U CDCDMZ\EPC_NL_GENERAL-U CDCDMZ\EPC_NL_GENERAL-U				1	

User is also able to access stored data and edit or delete records: