- DPCC METADATA Reference for Sequence Submission v2.0 Global validation rules:

 1. All Sedas are registed and cannot be blank

 2. The capital letter U for "Unknown" can be used in place of blank

 3. The capital letter U for "Unknown" can be used in place of blank

 3. The active validation by the used to "the Validation" of "Next Application"

 4. The OTH* addressation is always used for "Other"

 5. The OTH* addressation is always used for "Other"

 6. The OTH* addressation is always used for "Other"

 6. The OTH* addressation is always used for "Other"

 6. The OTH* addressation is always used for "Other"

 6. The OTH* addressation is always used for "Other"

 7. Controlled values are case-serative and must be entered in all caps.

In control Williams	Project_Identifier Text Field	Contributing_Institution Text Field	Sample_Identifier Text Field	Text Field	Embargo_End_Date Date Field	Provisional_Authors Text Field	Submission_Title Text Field
Input Type Definition	A unique Project Identifier generated by the DPCC by combining the Center-generated Project Code and a random 4-digit number	The institution code for the group that PERFORMED THE ANALYSIS. Must be one of the CEIRS institution codes assigned by NIAID	Identifier initially assigned to each sample collected. If multiple samples are taken from the same host, each sample should have its own identifier.	The BioProject unique accession number associated with the sequence submission	In case an embargo of the information is needed, the date that the information should be released to the public databases by the DPCC	The list of authors associated with the sequence submission. Default entry in absence of a Publication_PMID will be the authors listed by the user, if a Publication_PMID is provided, publication authors will be listed.	The descriptive title assigned to the sequence submission. Default entry in absence of a Publication_PMID will be "Direct Submission (CEIRS DPCC)". If a Publication_PMID is provided, Submission_Title should be the title of the referenced publication.
Format	Project_Code_XXXX Maximum length: 21 characters	Center three-letter code followed by three digits. Maximum length: 6 characters	Center-specific Maximum length: 50 characters	BioProject ID Maximum length: 15 characters	DD-Mon-YYYY DD-Mon-YYY NA Maximum length: 11 characters	FirstName LastName FirstName MI. LastName Maximum length: 50 characters	Text Maximum length: 100 characters
Value List	None The entry must be a Project	None The entry must be an Institution	None The Sample_Identifier initially	The entry must be a valid BioProject accession	Date NA 1. Leading 0 in D0 is optional.	Text NA If a Publication, PMID is entered.	Text NA If no Publication, PMID is
Curation	identifier value registered with the DPCC.	Code valve registered with the DPCC. Center 3 ⁻⁴ select codes are case-sensitive and must be entered in all cape.	assigned to the surveillance sample must be provided.	number previously registered with the DPCC.	 Mortin must match the first three letters of the mortin. Mortin 1807 case-sersitive. Abot Tease-sersitive. Date must conform to NIAID data release policies. 	use NA. The list of authors from the publication will be used.	provided, use NA. ** P-Palecarison, PMID is entered, use the site of the publication exactly.
Examples	SJCProj02_4001	SJC101	22258468	PRJNA37813	3-Mar-2011 or 03-Mar-2011 or 03-MAR-2011 or 3-MAR-11 or NA	NA .	Analysis of pandemic influenza H1H1 sequences from New York in 2010 or NA
Notes			Submissions without a corresponding surveillance submission will be fased as sphared records. For non-surveillance submissions, enter a unique Submissions, enter a unique Sumple_Sentier.	The sequence must be linked to a BioProject. If no relevant BioProject exists, one must be created.	An exact date must be provided. If Emhange, End, Date in NA, information will be released without delay. Emhange, End, Date cannot be more than 12 months after submission.	The DPCC will spodder the GenBlack entry records and when the suthern provide a publication without a publication of the succession of the succession of the Foreign of multiple names, commissionation of the succession of the commissionation of the commissionation of the foreign of the successionation of the successionation of the successionation of the successionation of the successionation of successionation	The DPCC will update the GenBlack entry scotts and sheet his authors provide a submission. Several services and submission.

	Publication_PMID	Molecule_Type	Sequencing_Technology	Forward_Primer	Reverse_Primer	Assembly_Method	Assembler_Version	Coverage
Input Type	Text Field The PubMed Unique Identifier	Text Field The type of organic	Text Field The name of the sequencing technology	Text Field The forward PCR primer that was	Text Field The reverse PCR primer that was	Text Field The name of the program used to	Text Field The version of the assembly	Text Field The average number of reads
	(PMID) for the publication in which the sequence was published	The type of organic molecule that was sequenced	The name of the sequencing technology used to obtain the submitted sequences	The forward PCR primer that was used to amplify the nucleic acid that was sequenced	The reverse PCR primer that was used to amplify the nucleic acid that was sequenced	The name of the program used to assemble next-generation sequence reads	The version of the assembly program used or, if not available, the date the assemblies were made	The average number of reads representing a given nucleotide in the sequence
Definition	PMID							
Format	PMID Maximum length: 50 characters	Text Maximum length: 15 characters	Text Maximum length: 150 characters	Name:Sequence Maximum length: 50 characters	Name:Sequence Maximum length: 50 characters	Text Maximum length: 150 characters	Text DD-MON-YYYY DD-MON-YYY D-MON-YYY D-MON-YYYY Maximum length: 50 characters	Text Maximum length: 50 characters
Value List	Texts	penantic RNA penantic RNA mit RNA other RNA other RNA RNA RNA RNA RNA RNA RNA RNA RNA RNA	464 Halicos Illumina	Text U	Text U	Note	None	Number U
Curation	The entry must be a valid PMID: number 7 of 8-dig number with no leading zeros. government of the properties since dincelements. html#pmid	The entity must be one and only one member of the Value List.	The entry must be one or multiple concomms apparated members of the value List. 10 This is selected, then sequencing technology should be entered as free lest.	The entry must include the forward promer rame and nucleotide temperature apparent of the properties to a color.	The entry must include the reverse primer name and neutrologies equence toparated by a colon.	The entry must be the name of a work of the country	The ertry must be the version number of the assembly program used in format x x to the date the assemblers were created.	The entry must be a number or enter U if unknown.
Examples	25463985	viral cRNA	IonTorrent	U		IonTorrent Assembler	v.3.2 or 03-Mar-2011 or 3-Mar-2011 or 3-Mar-11	
Notes	if the sequence was referenced in multiple published communication of PRIDE. The medical PRIDE is a series of the published PRIDE in the PRIDE of th	Enter visit RRNA for influenza vinus asquances. Enter genomic DNA for gissams decipience signature de la gissams decipience signature de la gissams decipience or sequences of ribosomal RNA genes.	If more than one sequencing sechnology is used, comman-separate individual sechnologies.	If multiple forward primers were productions of the primers. Early Comment of the primers is controlled to the primers is controlled to the primer is unknown.	If multiple reverse primers were used, comma-separate avoidual reverse primers. Enter U if the reverse primer is unknown.	Sequences must be pre-assembled from next grant	if more than one assembly methods to such commerce apparation includes a such commerce separation includes we should be such as the such a	If more than one coverage is used. On the coverage is used, commanded and coverages.

Input Type	Genbank_Accession_Numbers Text Field	Strain_Name Text Field	Sample_Material Text Field	Surveillance_Sample Text Field	Host_Species Text Field	Host_Common_Name Text Field	Collection_Date Date Field	Collection_Country Text Field
Input Type	The GenBank accession number(s) for the sequence	Name of the virus strain	Material on which the testing was	Is the sequence derived from a	Full scientific name of host genus and	The English common name given to	Date on which the sample was	Country in which the original
	submission, if a GenBank number has been assigned		performed. If multiple samples are taken from the same host, they must	surveillance sample?	species, without abbreviations	a particular species	collected.	sample was collected
			be entered as separate records.					
Definition								
	Text	Antigenic Type/Host of Origin/Geographical	Text	Text	Text	Text	DD-Mon-YYYY	Text
	Maximum length: 150 characters	Origin/Strain Number/Year of Isolation (Subtype)	Maximum length: 30 characters	Maximum length: 1 character	Maximum length: 50 characters	Maximum length: 50 characters	DD-Mon-YY Mon-YYYY	Maximum length: 60 characters
		rg-Antigenic Type/Host of					Mon-YY YYYY	
Format		Origin/Geographical Origin/Strain Number/Year of Isolation [rg details]					YY	
		Number/Year of Isolation [rg details] (Subtype)					Maximum length: 11 characters	
		Maximum length: 100 characters					-	
					DPCC Species Dictionary			ISO 3166 standard of country
	Text NA	Text U	BAL	Y N	ENV Species Dictionary	DPCC Species Dictionary U	Date U	ISO 3166 standard of country names
			BLO CCF		U			
			CCO					
			FEC					
			LLF LUN					
			NAL NAS					
			NTS ORP					
Value List			OTH-					
			OTT PLS					
			RCS SER					
			SIII					
			SOI SPU					
			TFB TFT					
			TRS					
			WAT U					
	The entry must be a valid GenBank accession number or NA if none is available.	WHO strain naming convention: For non- reverse genetic viruses, fields must be	The entry must be one and only one member of the Value List.	The entry must be one and only one member of the value list.	If the entry is not ENV or U, the host species name is validated against the	The entry must be a text string or U.	 Leading 0 in DD is optional. Month must match the first three 	The entry must be one and only one member of the Value List.
		ordered as follows and separated with the "/" character:	Values are case-sensitive and must		DPCC Species Dictionary.	If the entry is not U, the host common name is validated against	letters of the month. Month is NOT case-sensitive.	The DPCC will accept either the
		The antigenic type (e.g., A, B, C) The host of origin (e.g., swine, equine,	be entered in all-caps.			the DPCC Species Dictionary.	Years may have two or four digits.	country name or (preferably) its unique ISO ALPHA-3 code in all-
		chicken. For human-origin viruses, no host					4. Use U (Unknown) if date is not	caps.
		of origin designation is given.) 3. Geographical origin (e.g., Denver,					known.	
		Taiwan) 4. Strain number (e.g., 15, 7)						
Curation		Year of isolation (e.g., 2009, 1934) For influenza A viruses, the						
		hemagglutinin and neuraminidase antigen						
		description in parentheses (e.g., (H1N1), (H3N2))						
		If the strain is a reverse genetic virus, prefix						
		Strain Name with rg-, Provide reverse						
		genetic details in brackets between year of isolation and subtype.						
	U12345 or AF123456 or NA	A/Hong Kong/1/1968 (H3N2),	BLO	Y	Sus scrofa or Anser albifrons	Wild boar or White-fronted goose	3-Mar-2011 or 03-Mar-2011 or 03-	Viet Nam or VNM
		A/swine/lowa/233-56/2011 (H3N2v), A/duck/Alberta//1976 (H1N1)					MAR-2011 or Mar-2011 3-Mar-11 or 2011 or 11 or U	
		B/Hong Kong/432/2014,					ur 2011 or 11 or U	
Examples		C/Texas/19876/2011, rg-A/Egypt/N03072/2010 [PR8 internal R						
		6+2] (H5N1), rg-A/Puerto Rico/8/1934 (H1N1)						
	If a GenBank Accession Number is provided, a	Reference:	AIR = Air	Y = Yes	Please reference the DPCC Species	Please reference the DPCC Species		The ISO 3166 standard of country
	If a GenBank_Accession_Number is provided, a FASTA file is not required.	http://www.cdc.gov/flu/about/viruses/types.	BAL = Bronchoalveolar lavage	Y = Yes N = No	Dictionary for allowed values.	Dictionary for allowed values.		names may be found on the DPCC Portal.
		htm	BLO = Blood CCF = Combined cloacal and fecal	Enter N if the sequence is a lab strain	Use ENV(ironment) for samples taken	Use U if host common name is		DPGC Portal.
		(HxNx) can be used in cases where a partial subtype has been determined by	CCO = Combined cloacal and oral- pharyngeal	or reverse genetic virus.	from the environment (e.g., a water sample or feces picked up from the	unknown or if the value entered under Host_Species is ENV or U.		
		viral isolation (e.g., H5Nx).	CLO = Cloacal EEC = Feces		beach) when the source species is not			
		If there are mixed subtypes contained	LLF = Lung lavage fluid					
		within a sample use A/chicken/Fujian/4/2002 (mixed) for	LUN = Lungs NAL = Nasal layage		If genus is known but species is unknown, then use the genus followed			
		Strain_Name or list multiple comma-	NAS = Nasal swab NTS = Combined nasal throat swab		by "sp" (for example domestic duck			
		separated Strain_Names: A/mallard/Alaska/2/2007 (H3N8),	NTS = Combined nasal throat swab ORP = Oral-pharyngeal OTH- = Other; append free text to		would be reported as "Anas sp").			
Notes		A/mallard/Alaska/2/2007 (H3N9).	describe		If both the genus and species are unknown, then use the scientific family			
		For other virus types, enter the common Strain_Name.	OTT = Other tissue		name, without abbreviation.			
		Suan_vame.	RCS = Rectal swah		Enter U for all other cases.			
			SER = Serum SLU = Slurry					
			SOI = Soil SPU = Sputum					
			TFB = Tissue from brain					
			TFT = Tissue from trachea TRS = Tracheal swab WAT = Water					
			WAT = Water U = Unknown					
			O - GrandWil					
					•			

	Lab_Host	Parent_Strain_Name Text Field	Passage_History	Antigenic_Characterization	Treatment	Transmission_Method	Severity	Phenotype	Comments
Input Type	Description of the lab host used for	Name of the parental virus strain.	Description of the passage history	Text Field Any information about antigenic	Text Field Description of any experimental	Text Field Description of the	Text Field Description of the severity of	Text Field Description of the	Text Field Text describing anything else of
	passaging the virus		of the virus	characterization	treatments	experimental method for virus transmission	infection	viral phenotype	interest related to the submission
						ualishission			Submission
Definition									
	Text	Antigenic Type/Host of	Text	Text	Text	Text	Text	Text	Text
		Origin/Geographical Origin/Strain							
	Maximum length: 50 characters	Number/Year of Isolation (Subtype)	Maximum length: 50 characters	Maximum length: 50 characters	Maximum length: 50 characters	Maximum length: 50 characters	Maximum length: 50 characters	Maximum length: 50 characters	Maximum length: 200 characters
		Maximum length: 800 characters				CHARACTER		DO CHARACTERS	
Format									
	None	Text	None	None	None	None	None	None	Text
		Ü							NA
Value List									
	None	WHO strain naming convention: Fields must be ordered as follows and	None	None	None	None	None	None	None
		separated with the "/" character:							
		The antigenic type (e.g., A, B, C, D) The host of origin (e.g., swine,							
		The host of origin (e.g., swine, equine, chicken. For human-origin viruses, no host of origin designation is							
		given.)							
		Geographical origin (e.g., Denver, Taiwan)							
		4. Strain number (e.g., 15, 7)							
Curation		Year of isolation (e.g., 2009, 1934) For influenza A viruses, the							
		hemagglutinin and neuraminidase							
		antigen description in parentheses (e.g., (H1N1), (H3N2))							
		If the etrain is a reverse genetic virus							
		If the strain is a reverse genetic virus, prefix Strain_Name with rg							
	Embryonated chicken egg	A/chicken/Fujian/4/2002 (H3N6),	E2	NΔ	NA .	Aerosol contact	NA .	LPAI	NA
	Embryonated chicken egg	A/chicken/Fujian/4/2002 (H3N6), A/chicken/Fujian/4/2002 (HxNx), A/swine/lowa/233-56/2011 (H3N2v),	E4	TNA.	TWA .	Merusul contact	IN/A	LFAI	NA.
		A/chicken/Fuijan/4/2002 (mixed)							
Examples		B/Hong Kong/432/2014, or C/Texas/19876/2011							
		C/Texas/19876/2011							
		Reference:	Indicate lab host and number of						If there are no comments, enter
		http://www.cdc.gov/flu/about/viruses/typ es.htm	passages: E = Embryonated chicken eggs						NA.
		(HxNx) can be used in cases where a	C = MDCK cells S = MDCK-SIAT cells						
		partial subtype has been determined by	M = Monkey Kidney Cells						
		viral isolation (e.g., H5Nx).	For other hosts, write out common						
		If there are mixed subtypes contained	name and include passage number						
		within a sample use A/chicken/Fujian/4/2002 (mixed) for	e.g., Mouse2, E(duck)1, 293T1.						
		Strain Name or list multiple comma-	Use X if the host or passage						
		separated Strain_Names: A/mallard/Alaska/2/2007 (H3N8),	number is unknown.						
Notes		A/mallard/Alaska/2/2007 (H3N9).	Enter NA if virus was not passaged.						
		For other virus types, enter the common	Additional information relating to						
		Strain_Name.	viral passaging can be entered in Comments.						
								1	
		L	1		l .	l	l .	l	