Supplementary material

Sobel JA, et al. Overview and evaluation of a nationwide hospital-based surveillance system for Influenza and COVID-19 in Switzerland (CH-SUR) (https://doi.org/10.57187/s.4213)

> CH-SUR case report form and codebook, version 2023: see page A-6

> CH-SUR evaluation survey: see page A-16

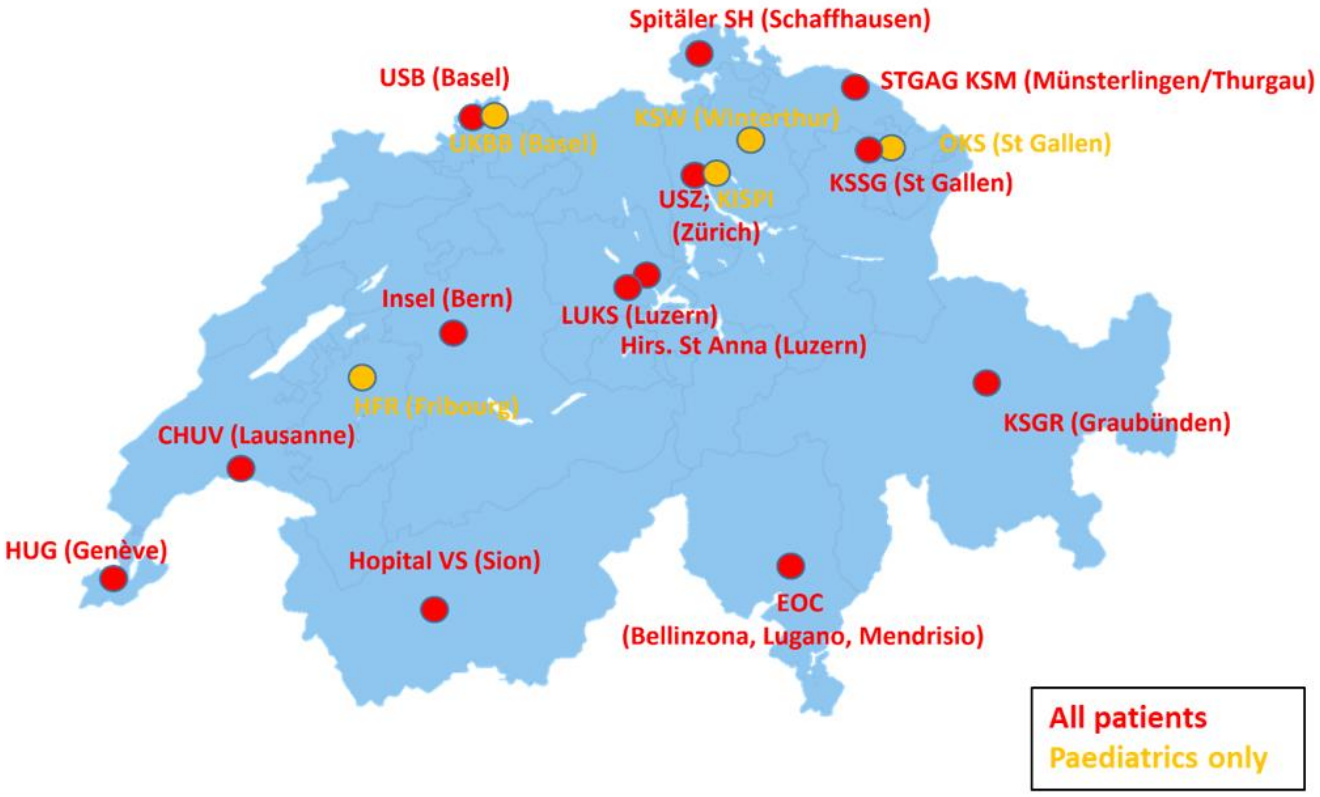

Figure S1. Map of CH-SUR Hospital partners over Switzerland., KSSG - Kantonsspital St. Gallen, HUG - Hôpitaux Universitaires de Genève, UKBB - Universitäts-Kinderspital Basel (University Children's Hospital Basel), LUKS - Luzerner Kantonsspital, KISPI USZ - Kinderspital Zürich (University Children's Hospital Zurich), PED KSW - Kinderspital Winterthur (Children's Hospital Winterthur), EOC - Ente Ospedaliero Cantonale (Cantonal Hospital Organization), PED HFR - Pédiatrie Hôpital fribourgeois (Pediatrics, Fribourg Cantonal Hospital), PED OKS - Pédiatrie Ospedale cantonale di San Gallo (Pediatrics, Cantonal Hospital of St. Gallen), HVS - Hôpital du Valais, STGAG - Spital Thurgau AG, USZ - Universitätsspital Zürich (University Hospital Zurich), CHUV - Centre Hospitalier Universitaire Vaudois, USB - Universitätsspital Basel (University Hospital Basel), SSH - Spitäler Schaffhausen, Hirslanden LU - Hirslanden Klinik St. Anna Luzern, INSEL - Inselspital (University Hospital of Bern)

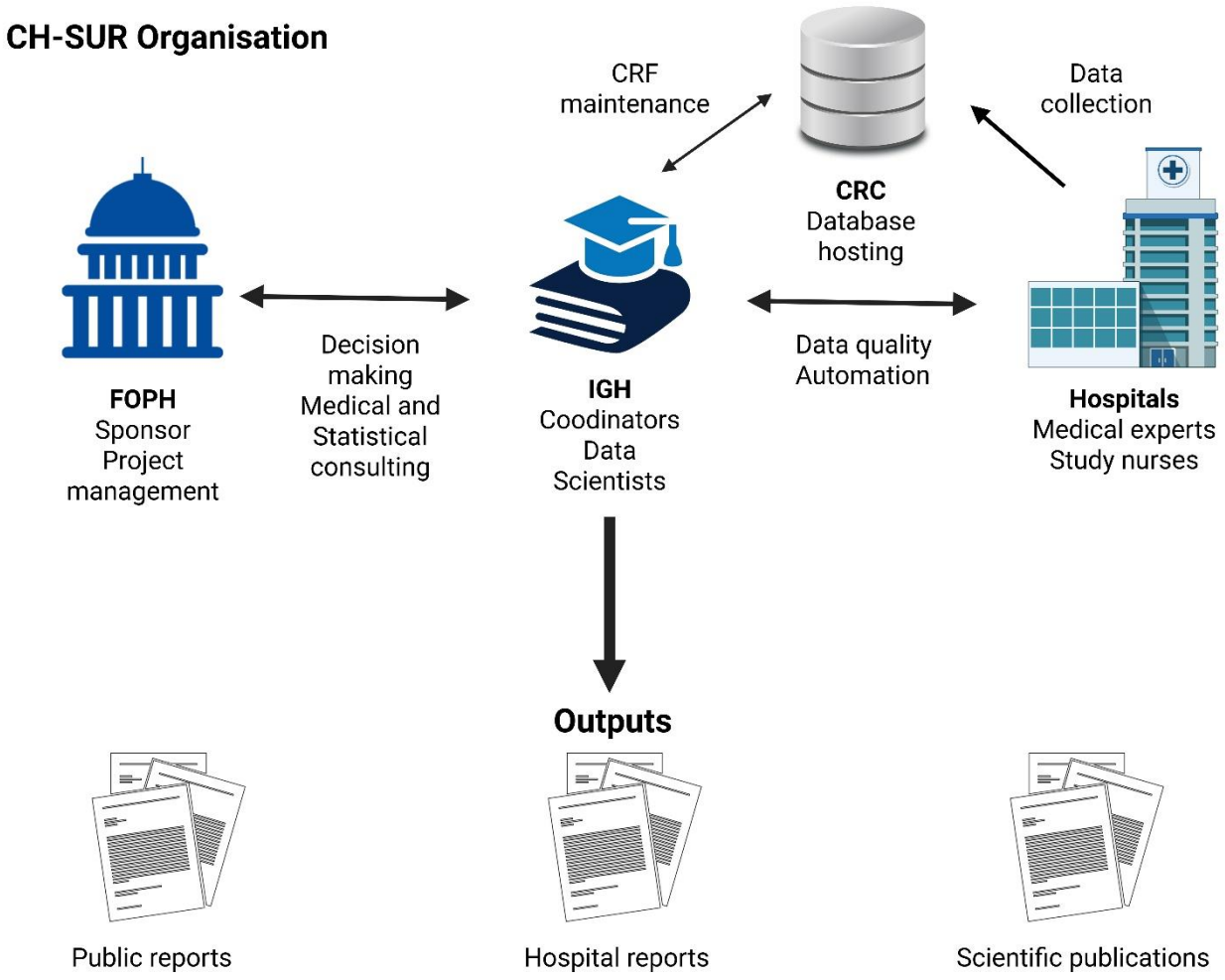

Figure S2. Organisation of nationwide hospital-based surveillance system for influenza and COVID-19 in Switzerland (CH-SUR). FOPH: Federal Office of Public Health; IGH: Institute of Global Health, Geneva University; CRC: Centre de Recherche Clinique, Geneva University Hospitals; CRF: Case report form

* As of 2024, several tasks were internalised at the FOPH, including reporting and data science functions.

Supplementary Figure 3

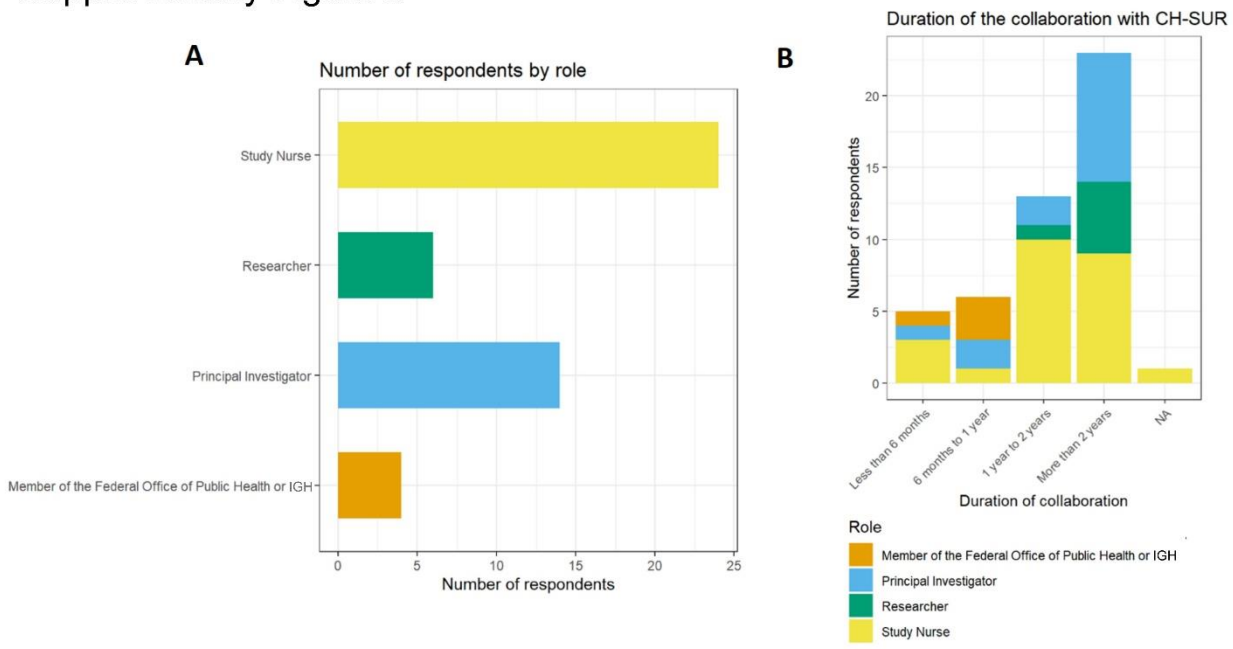

Figure S3. Roles within CH-SUR (A) and duration of collaboration (B) among qualitative survey participants CH-SUR. IGH: Institute of Global Health.

Supplementary Figure 4

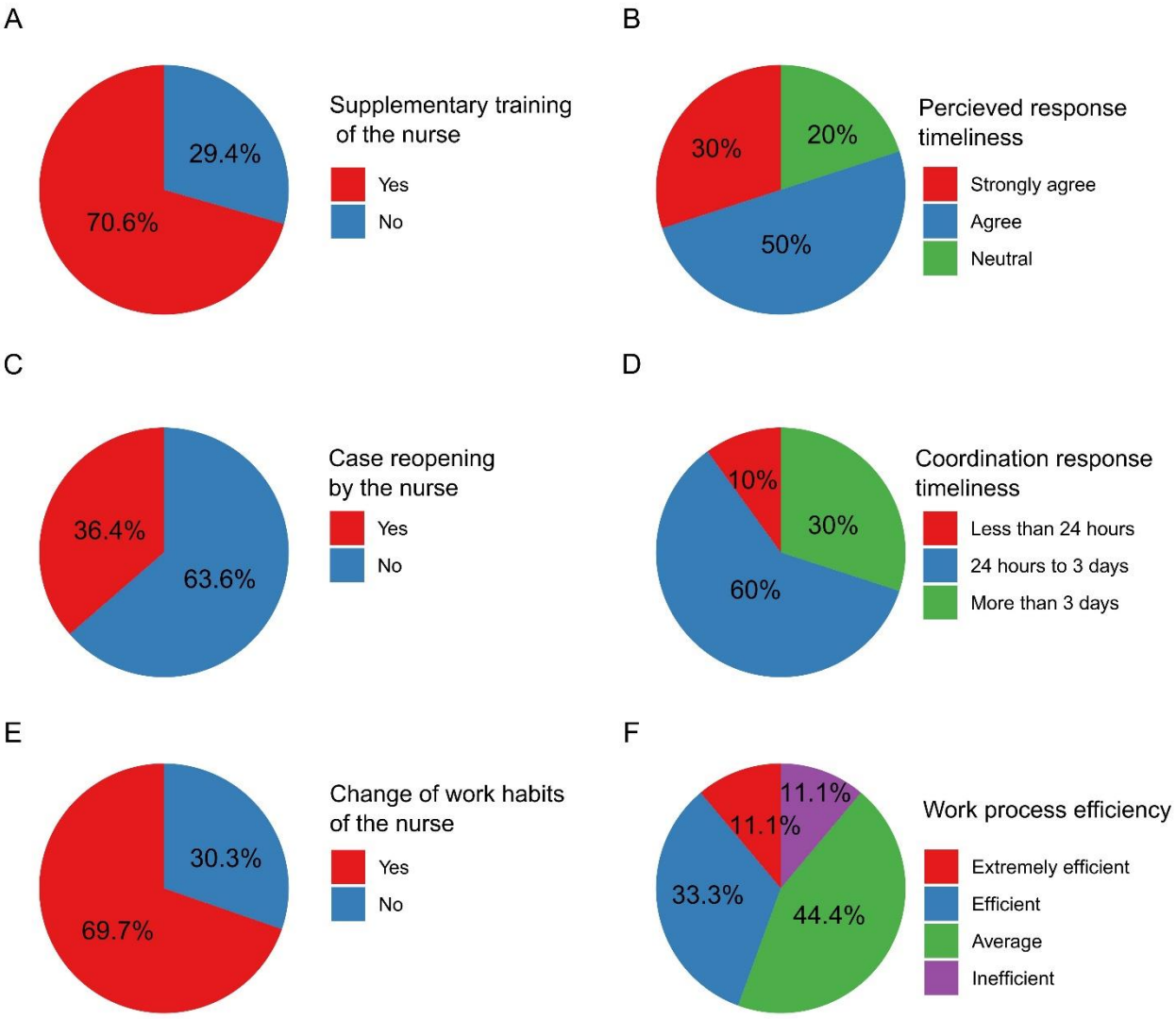

Figure S4. Survey responses on nurse's practices and response timeliness. (A) Additional training of nurses (N=34). (B) General satisfaction with response timeliness from CH-SUR (N=10). (C) Case follow-up practices by nurses (N=33). (D) Specific timeframes for CH-SUR responses (N=10). (E): Change of work habits by nurses (N=33). (F) Assessment of the efficiency of CH-SUR's work processes (N=9).

Supplementary Figure 5

Figure S5. Results of text mining and word cloud analysis of open-ended questions in CH-SUR survey. The size of the words is proportional to the occurrence of the word in the respondents' answers.

Hospital-based surveillance of COVID-19, Influenza & Respiratory diseases in Switzerland {BASEC 2020-00827} [2020+] - [Quality and Site SURVEYS]

PID

365

Codebook

Data Dictionary Codebook

18.04.2023 14:13

Collapse all instruments

	#	Variable / Field Name	Field Label *Field Note*	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)
Instrument: **Survey-CH-SUR-Evaluation** (surveychsurevaluation) Enabled as survey				Collapse
	1	record_id	Record ID	text
	2	dummy_111	Section Header: *Evaluation of the CH-SUR surveillance system for Hospitalisations related to Influenza and Covid-19 in Switzerland* Welcome to the survey evaluation of the CH-SUR system. With the following questions we aim to improve our system and publish a scientific research manuscript.	descriptive
	3	role	What is your role with respect to CH-SUR ?	radio, Required 1, Principal Investigator 2, Study Nurse 3, Researcher 4, Member of the Federal Office of Public Health or ISG
	4	duration_work	How long have you been working with CH-SUR / ISG?	radio 1, Less than 6 months 2, 6 months to 1 year 3, 1 year to 2 years 4, More than 2 years
	5	comprehension	How well do you comprehend the CH-SUR system and its objectives?	radio 1, I understand it extremely well 2, I understand it very well 3, I have an average understanding 4, I do not understand it well 5, I have no understanding at all
	6	rating_importance	Rate the importance of the CH-SUR system.	radio 1, Highly important 2, Important 3, Neither important nor unimportant 4, Unimportant 5, Highly unimportant
	7	org_objectives	How relevant is the CH-SUR system to your organization's objectives and goals?	radio 1, Highly relevant 2, relevant 3, Neither relevant nor irrelevant 4, Irrelevant 5, Highly irrelevant

	8	adapt_org	How adaptable has the CH-SUR system been to your organization's needs?	radio 1 Highly adaptable 2 Adaptable 3 Neither adaptable nor unadaptable (Not applicable) 4 Unadaptable 5 Highly unadaptable
	9	difficulty_use	Overall, how easy or difficult is it to use the CH-SUR system? (i.e., data collection on REDCap, etc.)	radio 1 Very Easy 2 Easy 3 Average 4 Difficult 5 Extremely Difficult
	10	reliability	Rate CH-SUR system's reliability and availability.	radio 1 Highly reliable (no failure in the system) 2 Reliable (little to no failure in the system) 3 Average (little system failures at times) 4 Unreliable (multiple system failures) 5 Highly unreliable (countless system failures)
	11	long_engage	How likely is your organization to keep long term engagement with the CH-SUR system?	radio 1 Highly likely 2 Likely 3 Neutral (unsure at this time) 4 Unlikely 5 Highly unlikely
	12	issues_isg	Did you encounter any significant issues with the surveillance staff at ISG?	radio 1 Yes 0 No -1 Not applicable
	13	issue_isg_text Show the field ONLY if: [issues_isg] = '1'	If yes, what are they and what are your suggestions to solve them?	notes
	14	issues_foph	Did you encounter any significant issues with the surveillance staff at FOPH?	radio 1 Yes 0 No -1 Not applicable
	15	issues_foph_text Show the field ONLY if: [issues_foph] = '1'	If yes, what are they and what are your suggestions to solve them?	notes
	16	challenges_org	Does your organization experience any challenges or barriers to support the CH-SUR system?	yesno 1 Yes 0 No
	17	challenges_org_text Show the field ONLY if: [challenges_org] = '1'	If so, what are these challenges/barriers?	notes
	18	suggestion_improve	What are your suggestions to further improve the CH-SUR surveillance system overall?	notes Custom alignment: RH
	19	changes_pi Show the field ONLY if: [role] = '1'	Section Header: *Questionnaire for Hospital PIs* Results highlighted by using the CH-SUR system led to changes of practice within the organization.	radio 1 Strongly agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree

	20	changes_pi_text Show the field ONLY if: [role] = '1' and ([changes_pi] = '1' or [changes_pi] = '2')	If strongly agree or agree, which practices?	text
	21	audit_case_pi Show the field ONLY if: [role] = '1'	Your organization regularly performs audits to ensure all eligible cases are recorded.	radio 1 Yes 0 No -1 Unknown
	22	audit_case_pi_interval Show the field ONLY if: [role] = '1' and [audit_case_pi] = '1'	If yes, at which intervals?	radio 1 Daily 2 Weekly 3 Monthly 4 Quarterly 5 Less often than quarterly
	23	audit_accuracy_pi Show the field ONLY if: [role] = '1'	Your organization regularly performs audits to ensure data completion/accuracy.	radio 1 Yes 0 No -1 Unknown
	24	audit_accuracy_pi_interval Show the field ONLY if: [role] = '1' and [audit_accuracy_pi] = '1'	If yes, at which intervals?	radio 1 Daily 2 Weekly 3 Monthly 4 Quarterly 5 Less often than quarterly
	25	unusual_resource_pi Show the field ONLY if: [role] = '1'	Were unusual resources necessary to complete tasks required by CH-SUR? (i.e, additional manpower, finances, etc.)	radio 1 Yes 0 No -1 Unknown
	26	unusual_resource_pi_text Show the field ONLY if: [role] = '1' and [unusual_resource_pi] = '1'	If yes, what were these tasks?	notes
	27	strategy_pi Show the field ONLY if: [role] = '1'	What is the long-term strategic plan in your organization to further support the system?	notes
	28	participation_pi Show the field ONLY if: [role] = '1'	Are you willing to participate further in a voluntarily-based system?	yesno 1 Yes 0 No
	29	participation_pi_obstacles Show the field ONLY if: [role] = '1' and [participation_pi] = '0'	If not, what major obstacles must be overcome for you to participate?	notes
	30	changes_impact_pi Show the field ONLY if: [role] = '1'	Do you expect major other changes in the next 5 years in your system, which may impact the collaboration between you and the CH-SUR surveillance system?	yesno 1 Yes 0 No
	31	changes_impact_pi_text Show the field ONLY if: [role] = '1' and [changes_impact_pi] = '1'	If yes, please briefly introduce them.	notes
	32	train_nurse Show the field ONLY if: [role] = '2' or [role] = '1'	Section Header: *Questionnaire for Data Providers (Study Nurses & PIs)* Do you have formal training on data processing and data quality control?	yesno 1 Yes 0 No
	33	train_nurse_text Show the field ONLY if: ([role] = '2' or [role] = '1') and [train_nurse] = '1'	If yes, what training/courses did you complete? What qualifications do you possess?	notes

	34	data_proc_nurse Show the field ONLY if: [role] = '2' or [role] = '1'	How would you describe the data processing pipeline from obtaining raw data to integration into the CH-SUR system?	radio 1 Extremely efficient 2 Efficient 3 Average 4 Inefficient 5 Extremely inefficient
	35	data_qual_protocol Show the field ONLY if: [role] = '2' or [role] = '1'	Do you have protocols on the data quality control process?	yesno 1 Yes 0 No
	36	data_qual_protocol_text Show the field ONLY if: ([role] = '2' or [role] = '1') and [data_qual_protocol] = '1'	If yes, what protocols/internal processes are in palace to ensure data quality control?	notes
	37	data_qual_description Show the field ONLY if: [role] = '2' or [role] = '1'	How would you describe the data quality control process in place to monitor errors and missing values in your system?	radio 1 Extremely effective 2 Effective 3 Average 4 Ineffective 5 Extremely ineffective
	38	data_qual_rate Show the field ONLY if: [role] = '2' or [role] = '1'	How would you rate the overall data quality of your system?	radio 1 Excellent 2 Good 3 Fair 4 Poor 5 Extremely Poor
	39	concern_ppv Show the field ONLY if: [role] = '2' or [role] = '1'	Do you have any concerns on the completeness, validity, sensitivity, or positive predictive value (PPV) of the data in your system?	radio 1 Yes 0 No -1 Not applicable
	40	concern_ppv_text Show the field ONLY if: ([role] = '2' or [role] = '1') and [concern_ppv] = '1'	If yes, what are these concerns?	notes
	41	subpop_exclusion Show the field ONLY if: [role] = '2' or [role] = '1'	Do you think that certain sub-populations in Switzerland are excluded/under-reported in CH-SUR?	yesno 1 Yes 0 No
	42	subpop_exclusion_text Show the field ONLY if: ([role] = '2' or [role] = '1') and [subpop_exclusion] = '1'	If yes, specify which sub-population.	notes
	43	corr_err_approach Show the field ONLY if: [role] = '2' or [role] = '1'	Are you aware of any approaches in place to increase the sensitivity and/or correct errors?	yesno 1 Yes 0 No
	44	corr_err_approach_text Show the field ONLY if: ([role] = '2' or [role] = '1') and [corr_err_approach] = '1'	If yes, specify the approach.	notes
	45	ident_simplicity Show the field ONLY if: [role] = '2' or [role] = '1'	How simple is it to identify cases with errors or misinformation?	radio 1 Extremely simple 2 Simple 3 Average 4 Difficult 5 Extremely difficult

	46	ident_simplicity_text Show the field ONLY if: ([role] = '2' or [role] = '1') and ([ident_simplicity] = '3' or [ident_simplicity] = '4' or [ident_simplicity] = '5')	If answered Average, Difficult, or Extremely Difficult; what are the reasons which make it difficult to identify cases?	notes
	47	time_use Show the field ONLY if: [role] = '2' or [role] = '1'	How much time, on average, do you spend filling the whole CRF for one case?	radio 1 ≤ 20 minutes 2 > 20 minutes 3 ≤ 45 minutes 4 > 45 minutes
	48	followup_nurse Show the field ONLY if: [role] = '2' or [role] = '1'	Do you need to follow-up/update cases often?	yesno 1 Yes 0 No
	49	followup_nurses_text Show the field ONLY if: ([role] = '2' or [role] = '1') and [followup_nurse] = '1'	If yes, how many times on average do you follow-up/update cases?	notes
	50	workhabits_nurses Show the field ONLY if: [role] = '2' or [role] = '1'	During peaks of infections, did your work habits change?	yesno 1 Yes 0 No
	51	workhabit_nurse_text Show the field ONLY if: ([role] = '2' or [role] = '1') and [workhabits_nurses] = '1'	If yes, briefly describe how your work habits changed.	notes
	52	training_nurses Show the field ONLY if: [role] = '2' or [role] = '1'	Was training necessary?	yesno 1 Yes 0 No
	53	obtaininfo_nurses Show the field ONLY if: [role] = '2' or [role] = '1'	Information can be easily obtained (ie: automation, pre-filling of fields during data acquisition in the CRF) from your local clinical system.	radio 1 Strongly agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree
	54	obtaininfo_nurses_text1 Show the field ONLY if: ([role] = '2' or [role] = '1') and ([obtaininfo_nurses] = '1' or [obtaininfo_nurses] = '2')	If agree/strongly agree, please specify which fields were automated / pre-filled in your institution.	notes
	55	obtaininfo_nurses_text2 Show the field ONLY if: ([role] = '2' or [role] = '1') and ([obtaininfo_nurses] = '4' or [obtaininfo_nurses] = '5')	If disagree or strongly disagree, what were the difficulties you encountered?	notes
	56	workprocess_internal Show the field ONLY if: [role] = '4' or [role] = '3'	Section Header: *Questionnaire for Researchers and key CH-SUR/FOPH Surveillance Collaborators* How would you describe the working process / data request steps? [Also taking into consideration the approximate time spent for each step in the CH-SUR surveillance process.]	radio 1 Extremely efficient 2 Efficient 3 Average 4 Inefficient 5 Extremely inefficient
	57	num_requests Show the field ONLY if: [role] = '4'	How many requests did you answer in the past 6 months ?	notes
	58	issues_crf Show the field ONLY if: [role] = '4' or [role] = '3'	Have there been any problems adapting changes in CRF surveillance guide or other changes?	yesno 1 Yes 0 No

	59	issues_crf_text Show the field ONLY if: ([role] = '4' or [role] = '3') and ([issues_crf]) = '1'	If yes, specify the problems you experienced when adapting changes in the CRF surveillance guide (as well as other changes if applicable).	notes
	60	response_timeliness Show the field ONLY if: [role] = '4' or [role] = '3'	Data providers and other collaborators respond to work requests in a timely manner.	radio 1 Strongly agree 2 Agree 3 Average 4 Disagree 5 Strongly disagree
	61	response_timeliness_spec Show the field ONLY if: [role] = '4' or [role] = '3'	Approximately how much time did you wait for a response to work requests?	radio 1 Less than 24 hours 2 Between 24 hours and 3 days 3 More than 3 days
	62	response_timeliness_2 Show the field ONLY if: [role] = '4' or [role] = '3'	How timely do the data providers and other collaborators respond to your work requests?	radio 1 Less than a day 2 Between 1 day and 2 days 3 Between 2 days and a week 4 More than a week
	63	data_quality_internal Show the field ONLY if: [role] = '4'	How would you rate the overall data quality of your system?	radio 1 Excellent 2 Good 3 Fair 4 Poor 5 Extremely Poor
	64	concern_ppv_internal Show the field ONLY if: [role] = '4' or [role] = '3'	Do you have any concerns on the completeness, validity, sensitivity, or positive predictive value of the data in this system?	radio 1 Yes 0 No -1 Unknown
	65	concern_ppv_internal_text Show the field ONLY if: ([role] = '4' or [role] ='3') and ([concern_ppv_internal]) = '1'	If yes, what are these concerns?	notes
	66	subpop_excl_internal Show the field ONLY if: [role] = '4' or [role] = '3'	Do you think that certain sub-populations in Switzerland are excluded/under-reported in CH-SUR?	yesno 1 Yes 0 No
	67	subpop_excl_internal_text Show the field ONLY if: ([role] = '3' or [role] = '4') and ([subpop_excl_internal]) = '1'	If yes, specify which sub-populations.	notes
	68	infrastructure_fail Show the field ONLY if: [role] = '4' or [role] = '3'	Have you experienced any failure in the work infrastructure that hindered you from completing the surveillance work on time?	notes
	69	challenge_infrastructure Show the field ONLY if: [role] = '4' or [role] = '3'	Are there any potential changes/challenges with data availability and the surveillance infrastructure that could be a threat to the stability of the CH-SUR surveillance system?	notes

	70	testing_asymptomatic Show the field ONLY if: [role] = '1'	Section Header: *Project Specific Questionnaire [The following questions concern the testing strategy. Your answers will help us to interpret the data, especially regarding the number of nosocomial cases. The information is confidential and will not be shared outside of the project team.]* In what situations do you currently test ASYMPTOMATIC patients for SARS-CoV-2? (Multiple answers possible)	checkbox 1 testing_asymptomatic___1 Systematic screening at admission = all newly admitted patients 2 testing_asymptomatic___2 Patients admitted from the emergency department 3 testing_asymptomatic___3 Patients admitted for an elective hospitalisation 4 testing_asymptomatic___4 Patients admitted to specific wards only 5 testing_asymptomatic___5 Specific patient groups (e.g. based on risk profile)
	71	testing_asymp_wards Show the field ONLY if: [role] = '1' and [testing_asymptomatic(4)] = '1'	If answered: "Patients admitted to specific wards only." Please specify which wards.	notes
	72	testing_asymp_ptgroups Show the field ONLY if: [role] = '1' and [testing_asymptomatic(5)] = '1'	If answered: "Specific patient groups (e.g. based on risk profile)." Please specify which patient groups.	notes
	73	testing_symptomatic Show the field ONLY if: [role] = '1'	Do you test all SYMPTOMATIC patients?	yesno 1 Yes 0 No
	74	testing_symp_admission Show the field ONLY if: [role] = '1' and [testing_symptomatic] = '0'	If answered: "No," please specify exceptions.	notes
	75	strategy_change Show the field ONLY if: [role] = '1'	Did the testing strategy at your hospital at admission change within the last three months?	yesno 1 Yes 0 No
	76	strategy_change_date Show the field ONLY if: [role] = '1' and [strategy_change] = '1'	When did the change/s approximately take place (dates)?	notes
	77	strategy_swissnoso_1 Show the field ONLY if: [role] = '1' and [strategy_change] = '1'	Was the change in line with the Swissnoso recommendation of 22.12.2022? LINK: Swissnoso Recommendation 22.12.2022	radio 1 Yes 0 No -1 Unknown
	78	strategy_swissnoso_2 Show the field ONLY if: [role] = '1' and [strategy_change] = '1'	Was the change in line with the Swissnoso recommendation of 31.01.2023? LINK: Swissnoso Recommendation 31.01.2023	radio 1 Yes 0 No -1 Unknown
	79	strategy_finance Show the field ONLY if: [role] = '1' and [strategy_change] = '1'	Was the end of financing of COVID tests a reason for the change?	radio 1 Yes 0 No -1 Unknown
	80	strategy_change_text Show the field ONLY if: [role] = '1' and [strategy_change] = '1'	Please describe the main aspects which were different before the change/s in strategy.	notes
	81	threshold_nosoco Show the field ONLY if: [role] = '1'	Section Header: *Questions regarding Nosocomial Outbreaks* What is the threshold for nosocomial outbreaks in your institution (e.g. ≥ 3 nosocomial cases within 5 days)?	notes

	82	threshold_nosoco_units Show the field ONLY if: [role] = '1'	Is the nosocomial threshold different across units (e.g. oncology units, etc.)?	yesno 1 Yes 0 No
	83	threshold_nosoco_unit_text Show the field ONLY if: [role] = '1' and [threshold_nosoco_units] = '1'	If yes, please specify which units and their different thresholds.	notes
	84	repeat_screen Show the field ONLY if: [role] = '1'	Do you repeat screening of asymptomatic patients tested in the nosocomial outbreak?	yesno 1 Yes 0 No
	85	repeat_screen_text Show the field ONLY if: [role] = '1' and [repeat_screen] = '1'	If yes, when is screening repeated?	notes
	86	screen_quarantine Show the field ONLY if: [role] = '1'	Do you apply quarantine in parallel to screening during nosocomial outbreaks?	yesno 1 Yes 0 No
	87	strategy_change_nosoco Show the field ONLY if: [role] = '1'	Did the testing strategy at your hospital for nosocomial outbreaks change within the last three months?	yesno 1 Yes 0 No
	88	strategy_nosoco_dates Show the field ONLY if: [role] = '1' and [strategy_change_nosoco] = '1'	When did the change/s approximately take place (dates)?	notes
	89	strategy_nosoco_swiss1 Show the field ONLY if: [role] = '1' and [strategy_change_nosoco] = '1'	Was the change in line with the Swissnoso recommendation of 22.12.2022? LINK: Swissnoso Recommendation 22.12.2022	radio 1 Yes 0 No -1 Unknown
	90	strategy_nosoco_swiss2 Show the field ONLY if: [role] = '1' and [strategy_change_nosoco] = '1'	Was the change in line with the Swissnoso recommendation of 31.01.2023? LINK: Swissnoso Recommendation 31.01.2023	radio 1 Yes 0 No -1 Unknown
	91	strategy_nosoco_finance Show the field ONLY if: [role] = '1' and [strategy_change_nosoco] = '1'	Was the end of financing of COVID tests a reason for the change?	radio 1 Yes 0 No -1 Unknown
	92	strategy_nosoco_text Show the field ONLY if: [role] = '1' and [strategy_change_nosoco] = '1'	Please describe the main aspects which were different before the change/s in strategy.	notes
	93	rsv Show the field ONLY if: [role] = '1'	Would it be useful to add RSV to CH-SUR?	yesno 1 Yes 0 No
	94	disease_other Show the field ONLY if: [role] = '1' or [role] = '3'	Do you think that it would be useful to integrate other diseases to CH-SUR?	yesno 1 Yes 0 No
	95	disease_others Show the field ONLY if: ([role] = '1' or [role] = '3') and [disease_other] = '1'	If yes, which one/s?	text
	96	variable_other Show the field ONLY if: [role] = '1' or [role] = '3'	Do you think that it would be useful to integrate other variables to CH-SUR?	yesno 1 Yes 0 No
	97	variable_others_2 Show the field ONLY if: ([role] = '1' or [role] = '3') and [variable_other] = '1'	If yes, which one/s?	text

	98	surveychsurevaluation_complete	Section Header: *Form Status* Complete?	dropdown 0, Incomplete 1, Unverified 2, Complete
Instrument: **Survey Variant Recording Practices** (survey_variant_recording_practices) Enabled as survey Collapse				
	99	practice_1	Section Header: *Practices between January 1st, 2021 and April 5th, 2021* What tests were performed on samples collected from patients hospitalised between January 1st, 2021 and April 5th, 2021 to determine the SARS-CoV-2 variant?	checkbox, Required 1, practice_1___1, PCR - N501Y 2, practice_1___2, PCR - E484K 3, practice_1___3, Sequencing 99, practice_1___99, Other 98, practice_1___98, None Field Annotation: @NONEOFTHEABOVE=98
	100	practice_1_other Show the field ONLY if: [practice_1(99)] = '1'	...please specify	notes, Required
	101	practice_1_seq	Was the investigation for VOC performed systematically?	yesno, Required 1, Yes 0, No
	102	practice_1_seq_perc	How many (est.) patients from the database were investigated for VOC(in %)?	text (integer, Min: 0, Max: 100), Required
	103	practice_1_ord Show the field ONLY if: [practice_1(98)] != '1'	Please tell us in which order and under what conditions those tests were performed	notes, Required
	104	practice_1_int Show the field ONLY if: [practice_1(98)] != '1'	If interpretation is needed, who interprets the result?	radio, Required 1, The local PI 2, The study nurse/student entering the case into the database 3, Both - depending on who fills the information for this case
	105	practice_1_br_sa Show the field ONLY if: [practice_1(98)] != '1'	How did you distinguish between the South African variant and the Brazilian variant (both positive for E484K and N501Y)	notes, Required
	106	practice_1_info	What information are available to the study nurses/students about variants ?	notes, Required
	107	practice_1_nosample	How did you record SARS-CoV-2 variant for patients who were not investigated for VOC?	notes, Required
	108	ensure_follow_1	Can you ensure that the described practices are followed by all the study nurses/students entering data?	yesno, Required 1, Yes 0, No
	109	diff_practice_1 Show the field ONLY if: [ensure_follow_1] = '0'	Please tell us how the different study nurses/students entered the data	notes, Required
	110	practice_change	Section Header: *Practices from April 5th, 2021 until now* Did the practices change from the previous practices	yesno, Required 1, Yes 0, No
	111	practice_change_why Show the field ONLY if: [practice_change] = '1'	Why did your practice change?	notes, Required
	112	practice_2 Show the field ONLY if: [practice_change] = '1'	What tests were performed on samples from patients hospitalised from April 5th, 2021 until now to determine the SARS-CoV-2 variant?	checkbox, Required 1, practice_2___1, PCR - N501Y 2, practice_2___2, PCR - E484K 3, practice_2___3, Sequencing 99, practice_2___99, Other 98, practice_2___98, None Field Annotation: @NONEOFTHEABOVE=98

	113	practice_2_other Show the field ONLY if: [practice_2(99)] = '1' and [practice_change] = '1'	...please specify	notes, Required
	114	practice_2_seq Show the field ONLY if: [practice_change] = '1'	Was the investigation for VOC performed systematically?	yesno, Required 1 Yes 0 No
	115	practice_2_seq_perc Show the field ONLY if: [practice_change] = '1'	How many (est.) patients from the database were investigated for VOC (in %)?	text (integer, Min: 0, Max: 100), Required
	116	practice_2_ord Show the field ONLY if: [practice_change] = '1' and [practice_2(98)] != '1'	Please tell us in which order and under what conditions those tests were performed	notes, Required
	117	practice_2_int Show the field ONLY if: [practice_change] = '1' and [practice_2(98)] != '1'	If interpretation is needed, who interprets the result?	radio, Required 1 The local PI 2 The study nurse/student entering the case into the database 3 Both - depending on who fills the information for this case
	118	practice_2_br_sa Show the field ONLY if: [practice_change] = '1' and [practice_2(98)] != '1'	How did you distinguish between the South African variant and the Brazilian variant (both positive for E484K and N501Y)	notes, Required
	119	practice_2_info Show the field ONLY if: [practice_change] = '1'	What information are available to the study nurses/students about variants ?	notes, Required
	120	practice_2_nosample Show the field ONLY if: [practice_change] = '1'	How did you record SARS-CoV-2 variant for patients who were not investigated for VOC?	notes, Required
	121	ensure_follow_2 Show the field ONLY if: [practice_change] = '1'	Can you ensure that the described practices are followed by all the study nurses/students entering data?	yesno, Required 1 Yes 0 No
	122	diff_practice_2 Show the field ONLY if: [ensure_follow_2] = '0' and [practice_change] = '1'	Please tell us how the different study nurses/students entered the data	notes, Required
	123	dummy_1	For better understanding the data, please make sure all data collectors enter the information the same way! If your practices come to change, please inform us ASAP!	descriptive
	124	survey_variant_recording_practices_complete	Section Header: *Form Status* Complete?	dropdown 0 Incomplete 1 Unverified 2 Complete

Hospital-based surveillance of COVID-19, Influenza & Respiratory diseases in Switzerland {BASEC 2020-00827} [2020+]

PID 198

Codebook

Data Dictionary Codebook

29.03.2023 08:32

Collapse all instruments

#	Variable / Field Name	Field Label *Field Note*	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)
Instrument: **Inclusion** (inclusion)			Collapse
1	record_id	Record ID	text
2	episode_extra	Section Header: *Hospital based surveillance of Influenza and COVID-19 cases in Switzerland Each new record is a distinct COVID-19 OR Influenza Episode related to a patient. In case a patient undergoes one Influenza episode and one COVID-19 episode, please create two separate records: one for influenza, and one for COVID-19. A new episode is defined as a new hospitalisation separated by at minimum 30 days from the previous hospitalisation. In case a specific patient undergoes more than one episode, please create a new record to report each additional episode. Whenever possible, make sure that you fill the Inclusion, Demography, Case Declaration, and Admission forms within 72h. The other forms can be filled later but ASAP.* Is this another episode of the same virus (COVID-19 or Influenza) from a same patient ?	radio, Required 0, No (this is the patient's first episode) 1, Yes (the first episode record has been already reported) -1, Still to be confirmed Custom alignment: LV
3	episode_first_id Show the field ONLY if: [episode_extra] = '1'	ID of first episode of this patient ID is the number on the right of the full CenterID-ID identifier, e.g. 123-456 *[0-9999]*	text (integer, Min: 0, Max: 9999), Required Custom alignment: RH
4	inclusion_old_db Show the field ONLY if: [episode_extra] = '1'	Was the first episode of this patient recorded in the old COVID-19 database?	yesno, Required 1, Yes 0, No Custom alignment: RH
5	episode_first_center_2 Show the field ONLY if: [episode_extra] = '1' and [inclusion_old_db] ="0"	Center (or consortium) where the first episode was created *your current center: [user-dag-label]*	dropdown, Required 264, CHUV (Lausanne) 266, EOC (Lugano) 267, HFR (Fribourg) 268, Hirslanden AG ZH (Zurich) 284, Hirslanden Klinik St. Anna (Luzern) 269, Hopital VS (Sion) 260, HUG (Geneva) 270, Inselspital (Bern) 271, UKBB (Kinderspital Basel) 272, KISPI (Zurich) 273, KSA (Aarau) 274, KSGR (Graubuenden) 275, KSNW (Niedwalden) 276, KSSG (St.Gallen) & consortium 277, KSW (Winterthur) 278, LUKS (Luzern) 279, OKS (St.Gallen) 280, Spitaeler SH (Schaffhausen) 281, STGAG KSM (Muensterlingen) 282, USB (Basel) 283, USZ (Zurich) Custom alignment: RH

6	episode_first_center_old Show the field ONLY if: [episode_extra] = '1' and [inclusion_old_db] ="1"	Center (or consortium) where the first episode was created - Old Database *your current center: [user-dag-label]*	dropdown, Required 114, CHUV (Lausanne) 112, EOC (Lugano) 136, HFR (Fribourg) 161, Hirslanden AG ZH (Zurich) 113, Hopital VS (Sion) 110, HUG (Geneva) 117, Inselspital (Bern) 120, KISPI (Basel) 116, KISPI (Zurich) 137, KSA (Aarau) 133, KSGR (Graubuenden) 166, KSNW (Niedwalden) 111, KSSG (St.Gallen) & consortium 138, KSW (Winterthur) 140, LUKS (Luzern) 134, OKS (St.Gallen) 141, Spitaeler SH (Schaffhausen) 150, STGAG KSM (Muensterlingen) 119, USB (Basel) 115, USZ (Zurich) Custom alignment: RH
7	inclusion_disease	Section Header: *Checking inclusion criteria* This entry reports:	radio, Required 1, A laboratory-confirmed Influenza diagnosis 2, A laboratory-confirmed COVID-19 diagnosis (e.g. RT-PCR/Antigenic test) 3, A clinical COVID-19 diagnosis (e.g. CT-scan/radio/serology)
8	inclusion_hospital24h	Hospitalised for more than 24 hours	yesno, Required 1, Yes 0, No Custom alignment: RH
9	inclusion_confirmed Show the field ONLY if: [inclusion_hospital24h] = '1' and [inclusion_disease] > '0'	Section Header: *Patient's inclusion* Confirm inclusion ?	checkbox, Required 1, inclusion_confirmed___1, Yes (include patient) Custom alignment: RH
10	dummy_1 Show the field ONLY if: [inclusion_confirmed(1)] != '1'	If the inclusion cannot be confirmed, please do not report this episode: either have the PI delete the entry, or replace it with an episode that fulfills the inclusion criteria.	descriptive
11	inclusion_date Show the field ONLY if: [inclusion_confirmed(1)] = '1'	Inclusion date	text (date_dmy, Min: 2020-01-01), Required Custom alignment: RH
12	inclusion_userid	ID of user checking the inclusion	text, Required Field Annotation: @USERNAME
13	inclusion_complete	Section Header: *Form Status* Complete?	dropdown 0, Incomplete 1, Unverified 2, Complete
Instrument: **Demography** (demography)			Collapse
14	birth_year	Section Header: *Demography* Year of birth	text (integer, Min: 1900), Required
15	ischild	Is the patient a child (< 18 years)	yesno 1, Yes 0, No Field Annotation: @HIDDEN @HIDDEN-PDF

16	toddler	Is the patient 6 years old or less ?	yesno 1 Yes 0 No Field Annotation: @HIDDEN @HIDDEN-PDF
17	toddler_birthmonth	Birth Month	text (integer, Min: 1, Max: 12) Field Annotation: [1-12] @HIDDEN @HIDDEN-PDF
18	age_group	Age Category	dropdown (autocomplete), Required 1 < 1 month 2 1 month - 1 year 3 1 - 2 years 4 3 - 5 years 5 6 - 12 years 6 13 - 19 years 7 20 - 29 years 8 30 - 39 years 9 40 - 49 years 10 50 - 59 years 11 60-64 years 12 65-69 years 13 70 - 79 years 14 80 - 89 years 15 90 - 100 years 16 > 100
19	gender	Sex	radio, Required 1 Male 2 Female 3 Other Custom alignment: RH
20	dummy_5	Height, Weight and BMI will be evaluated during each individual hospitalisation event *[cm]*	descriptive
21	demography_complete	Section Header: *Form Status* Complete?	dropdown 0 Incomplete 1 Unverified 2 Complete
Instrument: **Case Declaration** (case_declaration)			Collapse
22	symptoms_at_admission	Did the patient show any COVID-19/Influenza related symptoms at admission?	yesno, Required 1 Yes 0 No
23	symptoms_date	Starting date of symptoms	text (date_dmy, Min: 2020-01-01)
24	case_classification_flu Show the field ONLY if: [inclusion_disease] = '1'	Section Header: *Exposure factors* Type of exposure	radio, Required 1 Community acquired 2 Nosocomial (> 3 days) from this hospital 3 Nosocomial (> 3 days) from another institution -1 Unknown
25	case_classification_covid Show the field ONLY if: [inclusion_disease] = '2' or [inclusion_disease] = '3'	Type of exposure	radio, Required 1 Community acquired 2 Nosocomial (> 5 days) from this hospital 3 Nosocomial (> 5 days) from another institution -1 Unknown

26	community_location	Where was the patient exposed?	radio 1 Household 2 School / Kindergarten / Daycare 3 Family / Friends circle 99 Other contact -1 Unknown Field Annotation: @HIDDEN-PDF @HIDDEN
27	exposure_empl_health	Employed in a healthcare facility at time of infection?	radio 0 No 1 Yes -1 Unknown Field Annotation: @HIDDEN @HIDDEN-PDF
28	exposure_empl_lab	Employed in a microbiology laboratory at time of infection?	radio 0 No 1 Yes -1 Unknown Field Annotation: @HIDDEN @HIDDEN-PDF
29	exposure_travel Show the field ONLY if: [inclusion_disease] = '2' or [inclusion_disease] = '3'	Was the infection acquired abroad?	radio 0 No 1 Yes -1 Unknown Field Annotation: @HIDDEN @HIDDEN-PDF

30	exposure_country Show the field ONLY if: [exposure_travel] = '1'	In which country was the infection most probably contracted?	dropdown (autocomplete)

AF	Afghanistan
AX	Åland Islands
AL	Albania
DZ	Algeria
AS	American Samoa
AD	Andorra
AO	Angola
AI	Anguilla
AQ	Antarctica
AG	Antigua and Barbuda
AR	Argentina
AM	Armenia
AW	Aruba
AU	Australia
AT	Austria
AZ	Azerbaijan
BS	Bahamas
BH	Bahrain
BD	Bangladesh
BB	Barbados
BY	Belarus
BE	Belgium
BZ	Belize
BJ	Benin
BM	Bermuda
BT	Bhutan
BO	Bolivia
BA	Bosnia and Herzegovina
BW	Botswana
BV	Bouvet Island
BR	Brazil
IO	British Indian Ocean Territory
BN	Brunei Darussalam
BG	Bulgaria
BF	Burkina Faso
BI	Burundi
KH	Cambodia
CM	Cameroon
CA	Canada
CV	Cape Verde
KY	Cayman Islands
CF	Central African Republic
TD	Chad
CL	Chile
CN	China
CX	Christmas Island
CC	Cocos (Keeling) Islands
CO	Colombia
KM	Comoros
CG	Congo
CD	Congo, The Democratic Republic of The
CK	Cook Islands
CR	Costa Rica
CI	Cote D'ivoire
HR	Croatia

CU	Cuba
CY	Cyprus
CZ	Czechia
DK	Denmark
DJ	Djibouti
DM	Dominica
DO	Dominican Republic
EC	Ecuador
EG	Egypt
SV	El Salvador
GQ	Equatorial Guinea
ER	Eritrea
EE	Estonia
ET	Ethiopia
FK	Falkland Islands (Malvinas)
FO	Faroe Islands
FJ	Fiji
FI	Finland
FR	France
GF	French Guiana
PF	French Polynesia
TF	French Southern Territories
GA	Gabon
GM	Gambia
GE	Georgia
DE	Germany
GH	Ghana
GI	Gibraltar
GR	Greece
GL	Greenland
GD	Grenada
GP	Guadeloupe
GU	Guam
GT	Guatemala
GG	Guernsey
GN	Guinea
GW	Guinea-bissau
GY	Guyana
HT	Haiti
HM	Heard Island and Mcdonald Islands
VA	Holy See (Vatican City State)
HN	Honduras
HK	Hong Kong
HU	Hungary
IS	Iceland
IN	India
ID	Indonesia
IR	Iran, Islamic Republic of
IQ	Iraq
IE	Ireland
IM	Isle of Man
IL	Israel
IT	Italy
JM	Jamaica
JP	Japan
JE	Jersey

JO	Jordan
KZ	Kazakhstan
KE	Kenya
KI	Kiribati
KP	Korea, Democratic People's Republic of
KR	Korea, Republic of
KO	Kosovo
KW	Kuwait
KG	Kyrgyzstan
LA	Lao People's Democratic Republic
LV	Latvia
LB	Lebanon
LS	Lesotho
LR	Liberia
LY	Libyan Arab Jamahiriya
LI	Liechtenstein
LT	Lithuania
LU	Luxembourg
MO	Macao
MK	Macedonia, The Former Yugoslav Republic of
MG	Madagascar
MW	Malawi
MY	Malaysia
MV	Maldives
ML	Mali
MT	Malta
MH	Marshall Islands
MQ	Martinique
MR	Mauritania
MU	Mauritius
YT	Mayotte
MX	Mexico
FM	Micronesia, Federated States of
MD	Moldova, Republic of
MC	Monaco
MN	Mongolia
ME	Montenegro
MS	Montserrat
MA	Morocco
MZ	Mozambique
MM	Myanmar
NA	Namibia
NR	Nauru
NP	Nepal
NL	Netherlands
AN	Netherlands Antilles
NC	New Caledonia
NZ	New Zealand
NI	Nicaragua
NE	Niger
NG	Nigeria
NU	Niue
NF	Norfolk Island
MP	Northern Mariana Islands
NO	Norway
OM	Oman

PK	Pakistan
PW	Palau
PS	Palestinian Territory, Occupied
PA	Panama
PG	Papua New Guinea
PY	Paraguay
PE	Peru
PH	Philippines
PN	Pitcairn
PL	Poland
PT	Portugal
PR	Puerto Rico
QA	Qatar
RE	Reunion
RO	Romania
RU	Russian Federation
RW	Rwanda
SH	Saint Helena
KN	Saint Kitts and Nevis
LC	Saint Lucia
PM	Saint Pierre and Miquelon
VC	Saint Vincent and The Grenadines
WS	Samoa
SM	San Marino
ST	Sao Tome and Principe
SA	Saudi Arabia
SN	Senegal
RS	Serbia
SC	Seychelles
SL	Sierra Leone
SG	Singapore
SK	Slovakia
SI	Slovenia
SB	Solomon Islands
SO	Somalia
ZA	South Africa
GS	South Georgia and The South Sandwich Islands
ES	Spain
LK	Sri Lanka
SD	Sudan
SR	Suriname
SJ	Svalbard and Jan Mayen
SZ	Swaziland
SE	Sweden
CH	Switzerland
SY	Syrian Arab Republic
TW	Taiwan, Province of China
TJ	Tajikistan
TZ	Tanzania, United Republic of
TH	Thailand
TL	Timor-leste
TG	Togo
TK	Tokelau
TO	Tonga
TT	Trinidad and Tobago
TN	Tunisia

			TR Turkey TM Turkmenistan TC Turks and Caicos Islands TV Tuvalu UG Uganda UA Ukraine AE United Arab Emirates GB United Kingdom US United States UM United States Minor Outlying Islands UY Uruguay UZ Uzbekistan VU Vanuatu VE Venezuela VN Viet Nam VG Virgin Islands, British VI Virgin Islands, U.S. WF Wallis and Futuna EH Western Sahara YE Yemen ZM Zambia ZW Zimbabwe Field Annotation: @HIDDEN-PDF @HIDDEN
31	sample_datetime	Section Header: *Diagnosis method* Date and time of collection of diagnosis method (CT scan/Serology/Lab sample)	text (datetime_dmy, Min: 2020-01-01 00:00), Required
32	sample_datetime_estimated	...check if date/time may NOT be exact	radio 0 exact date and time 1 exact date / estimated time 2 estimated date and time Field Annotation: @HIDDEN @HIDDEN-PDF
33	sample_type Show the field ONLY if: [inclusion_disease] = '1' or [inclusion_disease] = '2'	Type of sample	radio, Required 1 Nasal swab 2 Throat swab 3 Nasopharyngeal swab 4 Tracheal aspiration 5 Broncho-alveolar lavage 99 Other...
34	sample_type_other Show the field ONLY if: [sample_type] = '99'	...please, specify sample type	text, Required Custom alignment: RH
35	sample_service	In which service was the diagnosis method made/ sample taken ?	radio 1 Medicine 2 Geriatrics 3 Intensive Care 4 Surgery 5 Paediatrics 6 Emergency Room 7 NICU/PICU 8 Obstetrics 9 General practitioner 99 Other... Field Annotation: @HIDDEN-PDF @HIDDEN
36	sample_service_other Show the field ONLY if: [sample_service] = '99'	...please, specify where	text Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN

<table>
<tr><td>37</td><td>sample_confirm_meth_flu

Show the field ONLY if:
[inclusion_disease] = '1'</td><td>Confirmation method</td><td>radio, Required<table><tr><td>1</td><td>PCR (RT-PCR/POCT-PCR)</td></tr><tr><td>2</td><td>Antigenic Rapid Flu test</td></tr><tr><td>3</td><td>Viral culture</td></tr><tr><td>4</td><td>Immunofluorescence</td></tr><tr><td>99</td><td>Other</td></tr></table></td></tr>
<tr><td>38</td><td>sample_confirm_meth_covid

Show the field ONLY if:
[inclusion_disease] = '2' or [inclusion_disease] = '3'</td><td>Confirmation method</td><td>checkbox, Required<table><tr><td>1</td><td>sample_confirm_meth_covid___1</td><td>PCR (RT-PCR/POCT-PCR)</td></tr><tr><td>2</td><td>sample_confirm_meth_covid___2</td><td>CT Scan or radiology compatible with COVID-19 diagnosis</td></tr><tr><td>3</td><td>sample_confirm_meth_covid___3</td><td>Serology compatible with COVID-19 diagnosis</td></tr><tr><td>4</td><td>sample_confirm_meth_covid___4</td><td>Antigenic test</td></tr><tr><td>99</td><td>sample_confirm_meth_covid___99</td><td>Other...</td></tr></table></td></tr>
<tr><td>39</td><td>sample_confirm_meth_other

Show the field ONLY if:
[sample_confirm_meth_covid(99)] = '1' or [sample_confirm_meth_flu] = '99'</td><td>...please, specify confirmation method</td><td>text, Required
Custom alignment: RH</td></tr>
<tr><td>40</td><td>virus_type

Show the field ONLY if:
[inclusion_disease] = '1'</td><td>Influenza virus type</td><td>radio, Required<table><tr><td>1</td><td>A</td></tr><tr><td>2</td><td>B</td></tr><tr><td>-1</td><td>Unknown</td></tr></table></td></tr>
<tr><td>41</td><td>virus_sub_type

Show the field ONLY if:
[virus_type] > 0</td><td>Influenza virus sub-type</td><td>text
Field Annotation: @HIDDEN @HIDDEN-PDF</td></tr>
<tr><td>42</td><td>covid_sdropout

Show the field ONLY if:
[sample_confirm_meth_covid(1)] = '1'</td><td>What was the result of the S drop-out search ?</td><td>radio<table><tr><td>0</td><td>S drop-out absent</td></tr><tr><td>1</td><td>S drop-out present</td></tr><tr><td>-1</td><td>No search performed</td></tr></table>
Field Annotation: @HIDDEN-PDF @HIDDEN</td></tr>
<tr><td>43</td><td>covid_sequenced

Show the field ONLY if:
[sample_confirm_meth_covid(1)] = '1' and ([user-dag-id] = "260" or [user-dag-id] = "283")</td><td>Was the patient's sample sequenced?</td><td>radio, Required<table><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr><tr><td>-1</td><td>Unknown</td></tr></table></td></tr>
</table>

<table>
<tr>
<td>44</td>
<td>covd_seq_canton

Show the field ONLY if:
[covid_sequenced] = '1' and ([user-dag-id] = "260" or [user-dag-id] = "283")</td>
<td>Canton in which the patient resides, given by "XX" in the GISAID number

hCoV-19/Switzerland/XX-ZZZZZZZZ/YYYY
UN = Unknown</td>
<td>dropdown (autocomplete), Required
<table>
<tr><td>ZH</td><td>ZH</td></tr>
<tr><td>BE</td><td>BE</td></tr>
<tr><td>LU</td><td>LU</td></tr>
<tr><td>UR</td><td>UR</td></tr>
<tr><td>SZ</td><td>SZ</td></tr>
<tr><td>OW</td><td>OW</td></tr>
<tr><td>NW</td><td>NW</td></tr>
<tr><td>GL</td><td>GL</td></tr>
<tr><td>ZG</td><td>ZG</td></tr>
<tr><td>FR</td><td>FR</td></tr>
<tr><td>SO</td><td>SO</td></tr>
<tr><td>BS</td><td>BS</td></tr>
<tr><td>BL</td><td>BL</td></tr>
<tr><td>SH</td><td>SH</td></tr>
<tr><td>AR</td><td>AR</td></tr>
<tr><td>AI</td><td>AI</td></tr>
<tr><td>SG</td><td>SG</td></tr>
<tr><td>GR</td><td>GR</td></tr>
<tr><td>AG</td><td>AG</td></tr>
<tr><td>TG</td><td>TG</td></tr>
<tr><td>TI</td><td>TI</td></tr>
<tr><td>VD</td><td>VD</td></tr>
<tr><td>VS</td><td>VS</td></tr>
<tr><td>NE</td><td>NE</td></tr>
<tr><td>GE</td><td>GE</td></tr>
<tr><td>JU</td><td>JU</td></tr>
<tr><td>UN</td><td>UN</td></tr>
</table>
</td>
</tr>
<tr>
<td>45</td>
<td>covd_seq_number

Show the field ONLY if:
[covid_sequenced] = '1' and ([user-dag-id] = "260" or [user-dag-id] = "283")</td>
<td>Number associated to the sample, given by "ZZZZZZZZ" in the GISAID number

hCoV-19/Switzerland/XX-ZZZZZZZZ/YYYY</td>
<td>text, Required</td>
</tr>
<tr>
<td>46</td>
<td>covd_seq_year

Show the field ONLY if:
[covid_sequenced] = '1' and ([user-dag-id] = "260" or [user-dag-id] = "283")</td>
<td>Year in which the sample was sequenced, given by "YYYY" in the GISAID number

hCoV-19/Switzerland/XX-ZZZZZZZZ/YYYY</td>
<td>dropdown (autocomplete), Required
<table>
<tr><td>2020</td><td>2020</td></tr>
<tr><td>2021</td><td>2021</td></tr>
<tr><td>2022</td><td>2022</td></tr>
<tr><td>2023</td><td>2023</td></tr>
<tr><td>2024</td><td>2024</td></tr>
</table>
</td>
</tr>
</table>

47	virus_type_cov Show the field ONLY if: ([inclusion_disease] = '2' or [inclusion_disease] = '3') AND ([sample_confirm_meth_covid(1)] = '1')	COVID-19 virus type *The options for this field will be updated regularly*	dropdown (autocomplete), Required

1	Common variant/Mutation but no VOC
10	A.23.1
20	AY.1
46	AY.4
58	AY.4.1
52	AY.4.2
77	AY.4.4
97	AY.4.9
53	AY.5
51	AY.6
54	AY.7
72	AY.7.1
60	AY.7.2
48	AY.9
79	AY.9.2
49	AY.12
62	AY.25
55	AY.26
50	AY.33
59	AY.39
81	AY.41
64	AY.42
57	AY.43
70	AY.43.4
61	AY.46
56	AY.46.6
69	AY.51
84	AY.70
76	AY.98
80	AY.98.1
65	AY.102
66	AY.103
85	AY.109
87	AY.112
86	AY.113
71	AY.114
67	AY.121
74	AY.121.1
68	AY.122
82	AY.123
83	AY.125
73	AY.126
38	B.1
24	B.1.1
2	B.1.1.7 - Alpha
23	B.1.1.29
29	B.1.1.39
35	B.1.1.70
33	B.1.1.189
22	B.1.1.222
39	B.1.1.296
41	B.1.1.318
63	B.1.1.529/BA.1 - Omicron
89	BA.1.1
91	BA.1.1.1

90	BA.1.1.14
78	B.1.1.529/BA.2
101	BA.2.12.1
92	BA.2.3
102	BA.2.74
95	BA.2.9
96	BA.2.10
93	BA.4
103	BA.4.1.1
94	BA.5
104	BA.5.1
105	BA.5.1.2
100	BA.5.2
106	BA.5.2.3
18	B.1.36
40	B.1.36.1
11	B.1.111-E484K
37	B.1.146A
21	B.1.160
32	B.1.160.16
34	B.1.160.20
31	B.1.177
19	B.1.214
25	B.1.214.2
28	B.1.221
36	B.1.258
26	B.1.258.17
3	B.1.351 - Beta
30	B.1.367
5	B.1.427/B.1.429 - Epsilon
7	B.1.525 - Eta
6	B.1.526 - Iota
12	B.1.617
13	B.1.617.1 - Kappa
14	B.1.617.2 - Delta
15	B.1.617.3
42	B.1.620
43	B.1.621 - Mu
107	BE.1
108	BE.1.1
45	C.1.2
27	C.16
17	C.36.3
44	C.37 - Lambda
4	P.1 - Gamma
47	P.1.2
8	P.2 - Zeta
16	P.3 - Theta
9	Ph-B.1.1.28
98	N501Y Mutation - no sequencing available
110	BA.2.36
111	BA.5.1.1
112	BA.5.1.23
113	BA.5.1.5
114	BA.5.2.1
115	BA.5.2.2

			116 BA.5.2.20 117 BA.5.3.1 118 BA.5.6 119 BA.5.9 120 BE.1.1.1 121 BF.1 122 BF.10 123 BF.26 124 BF.5 125 BF.7 126 BN.1 127 BQ.1 128 BQ.1.1 129 XBB 130 XBB.1.5 99 Other -1 Unknown Field Annotation: @HIDECHOICE = "1,99"
48	virus_type_cov_other Show the field ONLY if: ([virus_type_cov] = '99' or [virus_type_cov] = '98') and ([virus_type_cov_other] <> "")	... please specify	text Field Annotation: @HIDDEN-PDF @HIDDEN
49	sample_multi	Was a multiplex PCR used?	radio, Required 0 No 1 Yes -1 Unknown
50	sample_coinf Show the field ONLY if: [sample_multi] = '1'	Were concomitant viruses identified?	radio, Required 0 No 1 Yes -1 Unknown
51	sample_coinf_name Show the field ONLY if: [sample_coinf] = '1'	Which concomitant viruses were identified ?	checkbox, Required 1 sample_coinf_name___1 Adenovirus 2 sample_coinf_name___2 Coronavirus 229E 3 sample_coinf_name___3 Coronavirus HKU1 4 sample_coinf_name___4 Coronavirus OC43 5 sample_coinf_name___5 Coronavirus NL63 6 sample_coinf_name___6 Mers-CoV 7 sample_coinf_name___7 SARS-CoV-2 8 sample_coinf_name___8 Human Metapneumovirus 9 sample_coinf_name___9 Human Rhinovirus 10 sample_coinf_name___10 Human Enterovirus 11 sample_coinf_name___11 Influenza A 12 sample_coinf_name___12 Influenza B 13 sample_coinf_name___13 Parainfluenza 1 14 sample_coinf_name___14 Parainfluenza 2 15 sample_coinf_name___15 Parainfluenza 3 16 sample_coinf_name___16 Parainfluenza 4 17 sample_coinf_name___17 RSV 18 sample_coinf_name___18 Bocavirus 99 sample_coinf_name___99 Other
52	immune_state Show the field ONLY if: [inclusion_disease] = '2' or [inclusion_disease] = '3'	Based on the information in the patient files, was the patient already previously infected by SARS-CoV-2/COVID-19?	radio 0 No 1 Yes -1 Unknown Field Annotation: @HIDDEN @HIDDEN-PDF

53	immune_state_prf Show the field ONLY if: [immune_state] = '1'	Based on the information in the patient files, is there proof of a previous infection (e.g. available results of a PCR/antigenic test)?	radio 0 No 1 Yes Field Annotation: @HIDDEN-PDF @HIDDEN
54	immune_state_date Show the field ONLY if: [immune_state] = '1'	Based on the information in the patient's files, please give the date of diagnostic (even if just approximated) for this previous infection	text (date_dmy) Field Annotation: @HIDDEN @HIDDEN-PDF
55	case_declaration_complete	Section Header: *Form Status* Complete?	dropdown 0 Incomplete 1 Unverified 2 Complete
Instrument: **Admission** (admission)			Collapse
56	event_same_confirmed Show the field ONLY if: [previous-instance] > '0'	Please confirm that the patient is rehospitalised following complications of this same episode!	checkbox, Required 1 event_same_confirmed___1 same episode
57	hospital_entry_date	Entry date into the hospital	text (date_dmy, Min: 2020-01-01), Required
58	dummy_2 Show the field ONLY if: (abs(datediff([demo_and_case_decl_arm_1][sample_datetime],"NOW","d","dmy",true) - datediff([hospital_entry_date],"NOW","d","dmy",true)) > 14) AND ([previous-instance] <= '0')	The difference between this first hospitalisation and the sample date is more than 14 days: please make sure this is accurate!	descriptive
59	hosp_compl Show the field ONLY if: (abs(datediff([demo_and_case_decl_arm_1][sample_datetime],"NOW","d","dmy",true) - datediff([hospital_entry_date],"NOW","d","dmy",true)) > 14) AND ([previous-instance] <= '0')	I confirm that the Hospital Entry Date and the Sample Date are correct because this hospitalisation is either: a follow-up of an hospitalisation due to COVID-19/Influenza, or an hospitalisation due to complications of COVID-19/Influenza A nosocomial case	checkbox, Required 1 hosp_compl___1 confirmed
60	consort_subsid_hsopital	Section Header: *Patient's admission* [Only applicable for hospital consortia] Please provide the ID of the hospital in your consortium. *(optional)*	dropdown 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9
61	hospitalised_in_other_code	...code of Unit/Building *optional*	text Custom alignment: RH
62	hospitalised_origin	Origin (pre-hospitalisation)	radio, Required 1 Domicile 2 Long term care 3 Other hospital 99 Other...
63	hospitalised_origin_other Show the field ONLY if: [hospitalised_origin] = '99'	...please, specify origin	text, Required Custom alignment: RH

64	hospitalised_in	Where was the patient hospitalised ?	radio, Required 1 Medicine 2 Geriatrics 3 Intensive Care 4 Surgery 5 Paediatrics 6 Emergency Room 7 NICU/PICU 8 Obstetrics 99 Other...
65	hospitalised_in_other Show the field ONLY if: [hospitalised_in] = '99'	...please, specify where the patient was hospitalised	text, Required Custom alignment: RH
66	hospitalised_in_unitspe	Was the patient hospitalised in an unit dedicated to the reported infection?	radio 0 No 1 Yes -1 Unknown Field Annotation: @HIDDEN @HIDDEN-PDF
67	hospitalised_consult	Was the patient in contact with a healthcare personnel prior to hospitalisation (by phone or consultation) ?	radio 0 No 1 Yes -1 Unknown Field Annotation: @HIDDEN-PDF @HIDDEN
68	height	Section Header: *Height and Weight during hospitalisation* Height previously reported height (if applicable): [height][previous-instance] *[cm]*	text (integer, Min: 20, Max: 230) Field Annotation: @DEFAULT='[height][previous-instance]'
69	weight	Weight *[kg]*	text (number, Min: 1.0, Max: 150.0)
70	bmi	BMI *[kg/m2]*	calc Calculation: [weight]*10000 / ([height]*[height])
71	obesity	Obesity	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
72	dummy_10 Show the field ONLY if: ([obesity] = '1' and [bmi] <= 30) or ([obesity] = '0' and [bmi] > 30)	This is only a warning message: the BMI calculation and obesity status do not match. Please check the given values. Note that the WHO classification based on BMI is lacking subtleties, so this warning is only present to raise awareness on a possible error. It does not imply that there is indeed an error.	descriptive
73	severity Show the field ONLY if: [demo_and_case_decl_arm_1][age_group] = '7' or [demo_and_case_decl_arm_1][age_group] = '8' or [demo_and_case_decl_arm_1][age_group] = '9' or [demo_and_case_decl_arm_1][age_group] = '10' or [demo_and_case_decl_arm_1][age_group] = '11' or [demo_and_case_decl_arm_1][age_group] = '12' or [demo_and_case_decl_arm_1][age_group] = '13' or [demo_and_case_decl_arm_1][age_group] = '14' or [demo_and_case_decl_arm_1][age_group] = '15' or [demo_and_case_decl_arm_1][age_group] = '16'	Section Header: *Severity* Severity (CURB-65 score)	checkbox, Required 1 severity___1 Confusion (abbreviated Mental Test Score < 9) 2 severity___2 Urea (BUN > 19 mg/dL or 7 mmol/L) 3 severity___3 Respiratory rate > 30 per minute 4 severity___4 Blood pressure: diastolic < 60 or systeolic < 90 mmHg 5 severity___5 Age >= 65 years 88 severity___88 None of the above Field Annotation: @NONEOFTHEABOVE=88

<table>
<tr><td>74</td><td>severity_children

Show the field ONLY if:
[demo_and_case_decl_arm_1][age_group] = '1' or [demo_and_case_decl_arm_1][age_group] = '2' or [demo_and_case_decl_arm_1][age_group] = '2' or [demo_and_case_decl_arm_1][age_group] = '3' or [demo_and_case_decl_arm_1][age_group] = '4' or [demo_and_case_decl_arm_1][age_group] = '5' or [demo_and_case_decl_arm_1][age_group] = '6'</td><td>Severity (for children)</td><td>checkbox, Required
<table><tr><td>1</td><td>severity_children___1</td><td>Respiratory distress</td></tr><tr><td>2</td><td>severity_children___2</td><td>Oxygen saturation < 92%</td></tr><tr><td>3</td><td>severity_children___3</td><td>Evidence of severe clinical dehydration or clinical shock</td></tr><tr><td>4</td><td>severity_children___4</td><td>Altered conscious level</td></tr><tr><td>88</td><td>severity_children___88</td><td>None of the above</td></tr></table>
Field Annotation: @NONEOFTHEABOVE=88</td></tr>
<tr><td>75</td><td>severity_score</td><td>Total score (each choice counts for 1)
0-1 points: low risk >1 points: high risk</td><td>calc
Calculation: sum([severity(1)],[severity(2)],[severity(3)],[severity(4)],[severity(5)],[severity_children(1)],[severity_children(2)],[severity_children(3)],[severity_children(4)])</td></tr>
<tr><td>76</td><td>symptoms_extra</td><td>Additional symptoms</td><td>checkbox
<table><tr><td>1</td><td>symptoms_extra___1</td><td>Cough</td></tr><tr><td>2</td><td>symptoms_extra___2</td><td>Rhinitis</td></tr><tr><td>3</td><td>symptoms_extra___3</td><td>Diarrhoea</td></tr><tr><td>4</td><td>symptoms_extra___4</td><td>Fever</td></tr><tr><td>5</td><td>symptoms_extra___5</td><td>Loss of smell</td></tr><tr><td>6</td><td>symptoms_extra___6</td><td>Loss of taste</td></tr><tr><td>7</td><td>symptoms_extra___7</td><td>Sore throat</td></tr><tr><td>8</td><td>symptoms_extra___8</td><td>Myalgia</td></tr><tr><td>9</td><td>symptoms_extra___9</td><td>Headache</td></tr><tr><td>10</td><td>symptoms_extra___10</td><td>Dyspnoe</td></tr><tr><td>88</td><td>symptoms_extra___88</td><td>None of the above</td></tr></table>
Field Annotation: @NONEOFTHEABOVE=88 @HIDDEN @HIDDEN-PDF</td></tr>
<tr><td>77</td><td>symptoms_temp

Show the field ONLY if:
[symptoms_extra(4)] = '1'</td><td>What was the highest temperature recorded at admission?
in degrees celsius</td><td>text (number, Min: 30, Max: 50)
Field Annotation: @HIDDEN @HIDDEN-PDF</td></tr>
<tr><td>78</td><td>vaccination

Show the field ONLY if:
[demo_and_case_decl_arm_1][inclusion_disease] = '1'</td><td>Section Header: Vaccination status AT ADMISSION
Vaccinated for the current influenza season</td><td>radio, Required
<table><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr><tr><td>-1</td><td>Unknown</td></tr></table></td></tr>
<tr><td>79</td><td>vaccination_date

Show the field ONLY if:
[vaccination] = '1'</td><td>Vaccination date (influenza)</td><td>text (date_dmy)</td></tr>
<tr><td>80</td><td>vaccination_2

Show the field ONLY if:
[demo_and_case_decl_arm_1][inclusion_disease] = '1' and [vaccination]='1'</td><td>Had the second dose of influenza vaccine</td><td>radio, Required
<table><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr><tr><td>77</td><td>Not applicable (patient >9 years old)</td></tr><tr><td>-1</td><td>Unknown</td></tr></table></td></tr>
<tr><td>81</td><td>vaccination_date_2

Show the field ONLY if:
[vaccination_2] = '1'</td><td>Vaccination date for second dose (influenza)
Only applicable for children < 9 years</td><td>text (date_dmy)</td></tr>
<tr><td>82</td><td>vaccination_type

Show the field ONLY if:
[vaccination] = '1'</td><td>Vaccine name</td><td>radio
<table><tr><td>1</td><td>Agrippal®</td></tr><tr><td>2</td><td>Influvac®</td></tr><tr><td>3</td><td>Fluad®</td></tr><tr><td>4</td><td>Mutagrip®</td></tr><tr><td>5</td><td>Fluarix Tetra®</td></tr><tr><td>6</td><td>Vaxigrip Tetra®</td></tr><tr><td>7</td><td>Fluenz Tetra®</td></tr><tr><td>8</td><td>Efflueldа®</td></tr><tr><td>-1</td><td>Unknown</td></tr><tr><td>99</td><td>Other</td></tr></table></td></tr>
</table>

83	vaccine_mother Show the field ONLY if: ([demo_and_case_decl_arm_1][inclusion_disease] = '1' and [demo_and_case_decl_arm_1][age_group] = '1') or ([demo_and_case_decl_arm_1][inclusion_disease] = '1' and [demo_and_case_decl_arm_1][age_group] = '2')	Was the mother immunized against influenza during this child's pregnancy?	radio, Required 0 No 1 Yes 77 Not applicable (patient >6 months old) -1 Unknown
84	vaccincovid Show the field ONLY if: [demo_and_case_decl_arm_1][inclusion_disease] = '2' or [demo_and_case_decl_arm_1][inclusion_disease] = '3'	Vaccinated against COVID-19	radio, Required 0 No 1 Yes -1 Unknown
85	vaccincovid_dose Show the field ONLY if: [vaccincovid] = '1'	How many doses did the patient received	dropdown, Required 1 1 2 2 3 3 4 4 5 5 6 6 7 7 -1 Unknown
86	vaccincovid_nm Show the field ONLY if: [vaccincovid_dose] <> '-1' AND [vaccincovid] = '1'	Vaccine name of the last dose	radio 1 Comirnaty© 2 Moderna 3 Astra-Zeneca 4 Janssen (J&J) 5 Comirnaty©/Pfizer 6 Comirnaty© Bivalent Original/Omicon 7 Spikevax®/Moderna 8 Spikevax®Bivalent Original/Omicron 9 Nuvaxovid® -1 Unknown 99 Other... Field Annotation: @HIDECHOICE = "1,2"
87	vaccincovid_nm_other Show the field ONLY if: [vaccincovid_nm] = 99	... please specify vaccine name	text, Required
88	vaccincovid_date Show the field ONLY if: [vaccincovid_dose] <> '-1' AND [vaccincovid] = '1'	Date of last injection (COVID-19) *if day is unknown, give month and year if available*	text (date_dmy, Min: 2020-12-01)
89	vaccincovid_last_date_aprox Show the field ONLY if: [vaccincovid_dose] <> '-1' AND [vaccincovid] = '1'	...estimated date ? *(optional)*	dropdown 1 estimated day, exact month 2 estimated month and day
90	vaccincovid_period Show the field ONLY if: [vaccincovid_date] = "" and ([demo_and_case_decl_arm_1][inclusion_disease] = "2" or [demo_and_case_decl_arm_1][inclusion_disease] = "3") and [vaccincovid] = "1"	Last injection received (COVID-19)	radio 1 < 3 months ago 2 3-5months ago 3 6-12 months ago 4 > 12 months ago
91	dummy_11	---------- OLD VARIABLES : HIDDEN	descriptive Field Annotation: @HIDDEN @HIDDEN-PDF
92	vaccincovid_d1_date_aprox Show the field ONLY if: [vaccincovid_dose] <> '-1' AND [vaccincovid] = '1'	...estimated date ? *(optional)*	dropdown 1 estimated day, exact month 2 estimated month and day Field Annotation: @HIDDEN-PDF @HIDDEN

93	vaccincovid_type Show the field ONLY if: [vaccincovid] = '1'	Vaccine name	radio 1, Comirnaty© 2, Moderna 3, Astra-Zeneca 4, Janssen (J&J) -1, Unknown 99, Other... Field Annotation: @HIDDEN-PDF @HIDDEN
94	vaccincovid_type_other Show the field ONLY if: [vaccincovid_type] = 99	... please specify vaccine name	text Field Annotation: @HIDDEN-PDF @HIDDEN
95	vaccincovid_d1_date Show the field ONLY if: [vaccincovid] = '1'	First injection date (COVID-19)	text (date_dmy, Min: 2020-12-01) Field Annotation: @HIDDEN-PDF @HIDDEN
96	vaccincovid_d2 Show the field ONLY if: [vaccincovid] = '1' and [vaccincovid_type] <> '4'	Had the second dose of COVID-19 vaccine	radio 0, No 1, Yes -1, Unknown Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
97	vaccincovid_d2_type Show the field ONLY if: [vaccincovid_d2] = '1'	Vaccine name	radio 1, Comirnaty© 2, Moderna 3, Astra-Zeneca 4, Janssen (J&J) -1, Unknown 99, Other... Field Annotation: @HIDDEN-PDF @HIDDEN
98	vaccincovid_d2_type_other Show the field ONLY if: [vaccincovid_d2_type] = 99	... please specify vaccine name	text Field Annotation: @HIDDEN-PDF @HIDDEN
99	vaccincovid_d2_date Show the field ONLY if: [vaccincovid_d2] = '1'	Second injection date (COVID-19)	text (date_dmy, Min: 2020-12-01) Field Annotation: @HIDDEN-PDF @HIDDEN
100	vaccincovid_d2_date_aprox Show the field ONLY if: [vaccincovid_d2_date] <> ''	...estimated date ? *(optional)*	dropdown 1, estimated day, exact month 2, estimated month and day Field Annotation: @HIDDEN-PDF @HIDDEN
101	vaccincovid_d3 Show the field ONLY if: ([vaccincovid] = '1' and [vaccincovid_type] = '4') or ([vaccincovid_d2] = '1')	Had the booster dose of COVID-19 vaccine	radio 0, No 1, Yes -1, Unknown Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
102	vaccincovid_d3_type Show the field ONLY if: [vaccincovid_d3] = '1'	Vaccine name	radio 1, Comirnaty© 2, Moderna 3, Astra-Zeneca 4, Janssen (J&J) -1, Unknown 99, Other... Field Annotation: @HIDDEN-PDF @HIDDEN
103	vaccincovid_d3_type_other Show the field ONLY if: [vaccincovid_d3_type] = 99	... please specify vaccine name	text Field Annotation: @HIDDEN-PDF @HIDDEN

104	vaccincovid_d3_date Show the field ONLY if: [vaccincovid_d3] = '1'	Booster injection date (COVID-19)	text (date_dmy, Min: 2020-12-01) Field Annotation: @HIDDEN-PDF @HIDDEN
105	vaccincovid_d3_date_aprox Show the field ONLY if: [vaccincovid_d3_date] <> ''	...estimated date ? *(optional)*	dropdown 1 estimated day, exact month 2 estimated month and day Field Annotation: @HIDDEN-PDF @HIDDEN
106	because_with_admission	Section Header: *Reason for hospitalisation* Based on the information available at admission, is the patient hospitalised	radio, Required 1 Because of COVID-19/Influenza 2 With COVID-19/Influenza 3 No determination possible -1 Not documented -2 Assessment done in the Follow-up form only
107	admission_complete	Section Header: *Form Status* Complete?	dropdown 0 Incomplete 1 Unverified 2 Complete
Instrument: **Clinical Complementary Information** (clinical_complementary_information)			Collapse
108	comorbidity_good_health	Section Header: *Co-morbidities* Does the patient have comorbidities?	radio, Required 0 No 1 Yes Custom alignment: LH
109	com_respiratory Show the field ONLY if: [comorbidity_good_health] = '1'	Chronic respiratory disease (including COPD, asthma)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
110	com_respiratory_copd Show the field ONLY if: [com_respiratory] = '1'	.... COPD	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
111	com_asthma Show the field ONLY if: [com_respiratory] = '1'	.....Asthma	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
112	com_respiratory_specify Show the field ONLY if: [com_respiratory] = '1'	... please specify	text Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
113	com_diabetes Show the field ONLY if: [comorbidity_good_health] = '1'	Diabetes Mellitus	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
114	com_diabetes_stage Show the field ONLY if: [com_diabetes] = '1'	....Diabetes Mellitus stage	radio, Required 1 Diet controlled 2 Uncomplicated 3 End-organ damage -1 Unknown

115	com_hypertension Show the field ONLY if: [comorbidity_good_health] = '1'	Hypertension	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
116	com_cardiovascular Show the field ONLY if: [comorbidity_good_health] = '1'	Chronic cardiovascular disease (including CHF)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
117	com_cardiovascular_failure Show the field ONLY if: [com_cardiovascular] = '1'	.....Cardiac heart failure *Exertional or paroxysmal nocturnal dyspnea and has responded to digitalis, diuretics, or afterload reducing agents*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
118	com_pvd Show the field ONLY if: [com_cardiovascular] = '1'	.....Peripheral Vascular Disease *Intermittent claudication or past bypass for chronic arterial insufficiency, history of gangrene or acute arterial insufficiency, or untreated thoracic or abdominal aneurysm (≥6 cm)*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
119	com_cardiovascular_myocard Show the field ONLY if: [comorbidity_good_health] = '1'	Myocardial infraction *History of definite or probable MI (EKG changes and/or enzyme changes)*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
120	com_cerebrovascular Show the field ONLY if: [comorbidity_good_health] = '1'	Cerebrovascular accident or transient ischemic attack *History of a cerebrovascular accident with minor or no residua and transient ischemic attacks*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
121	com_hemiplegia Show the field ONLY if: [comorbidity_good_health] = '1'	Hemiplegia	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
122	com_dementia Show the field ONLY if: [comorbidity_good_health] = '1'	Dementia *Chronic cognitive deficit*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
123	com_pud Show the field ONLY if: [comorbidity_good_health]="1"	Peptic ulcer disease *Any history of treatment for ulcer disease or history of ulcer bleeding*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
124	com_renal Show the field ONLY if: [comorbidity_good_health]="1"	Chronic kidney disease *if "yes" please chose only one from mild or moderate to severe*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH

125	com_renal_mild Show the field ONLY if: [com_renal]="1"	.....Mild chronic kidney disease	radio, Required 0 No 1 Yes Custom alignment: RH
126	com_renal_severe Show the field ONLY if: [com_renal]="1"	.....Moderate to severe chronic kidney disease *Severe = on dialysis, status post kidney transplant, uremia; Moderate = creatinine >3 mg/dL (0.27 mmol/L)*	radio, Required 0 No 1 Yes Custom alignment: RH
127	com_liver Show the field ONLY if: [comorbidity_good_health] = '1'	Chronic liver disease *if "yes" please chose only one from mild or moderate to severe*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
128	com_liver_mild Show the field ONLY if: [com_liver] = '1'	.....Mild liver disease *Mild = chronic hepatitis (or cirrhosis without portal hypertension)*	radio, Required 0 No 1 Yes Custom alignment: RH
129	com_liver_severe Show the field ONLY if: [com_liver] = '1'	.....Severe liver disease *Severe = cirrhosis and portal hypertension with variceal bleeding history; Moderate = cirrhosis and portal hypertension but no variceal bleeding history*	radio, Required 0 No 1 Yes Custom alignment: RH
130	com_neuro_impair Show the field ONLY if: [comorbidity_good_health] = '1'	Chronic neurological impairment	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
131	com_hivpos Show the field ONLY if: [comorbidity_good_health] = '1'	HIV-positive	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
132	com_aids Show the field ONLY if: [com_hivpos] = '1'	.....AIDS	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
133	com_immunosuppression Show the field ONLY if: [comorbidity_good_health] = '1'	Immunosuppression	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
134	com_hemato_immuno Show the field ONLY if: [com_immunosuppression] = '1'	.....Hematological pathology with immuno-suppression	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
135	com_leukemia Show the field ONLY if: [com_hemato_immuno] = '1'	.....Leukemia	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH

136	com_lymphoma Show the field ONLY if: [com_hemato_immuno] = '1'	.....Lymphoma	radio, Required 0, No 1, Yes -1, Unknown Custom alignment: RH
137	com_transplant Show the field ONLY if: [com_immunosuppression] = '1'	.....Transplant (solid organs)	radio, Required 0, No 1, Yes -1, Unknown Custom alignment: RH
138	com_immuno_treat Show the field ONLY if: [com_immunosuppression] = '1'	.....Immuno-suppressive treatment	radio, Required 0, No 1, Yes -1, Unknown Custom alignment: RH
139	com_oncology Show the field ONLY if: [comorbidity_good_health] = '1'	Oncological pathologies	radio, Required 0, No 1, Yes -1, Unknown Custom alignment: RH
140	com_solid_tumor Show the field ONLY if: [com_oncology] = '1'	.....Solid tumor	radio, Required 1, None 2, Localized 3, Metastatic Custom alignment: RH
141	com_connective Show the field ONLY if: [comorbidity_good_health] = '1'	Connective tissue disease	radio, Required 0, No 1, Yes -1, Unknown Custom alignment: RH
142	com_premature Show the field ONLY if: [comorbidity_good_health] = '1' and ([demo_and_case_decl_arm_1][age_group] = '1' or [demo_and_case_decl_arm_1][age_group] = '2' or [demo_and_case_decl_arm_1][age_group] = '3')	History of prematurity	radio, Required 0, No 1, Yes -1, Unknown Custom alignment: RH
143	com_others Show the field ONLY if: [comorbidity_good_health] = '1'	Others	radio, Required 0, No 1, Yes -1, Unknown Custom alignment: RH
144	dummy_13	------ OLD comorb	descriptive Field Annotation: @HIDDEN @HIDDEN-PDF
145	com_rheumato_immuno Show the field ONLY if: [comorbidity_good_health] = '1'	Rheumatological and auto-immune pathology with immuno-suppression	radio 0, No 1, Yes -1, Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF

146	com_tuberculosis Show the field ONLY if: [comorbidity_good_health] = '1'	Tuberculosis	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
147	com_others_other Show the field ONLY if: [com_others] = '1'	.... please specify	text Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
148	risk_pregnancy Show the field ONLY if: [demo_and_case_decl_arm_1][gender] = '2' and ([demo_and_case_decl_arm_1][age_group] = '6' or [demo_and_case_decl_arm_1][age_group] = '7' or [demo_and_case_decl_arm_1][age_group] = '8' or [demo_and_case_decl_arm_1][age_group] = '9' or [demo_and_case_decl_arm_1][age_group] = '10' or [demo_and_case_decl_arm_1][age_group] = '11' or [demo_and_case_decl_arm_1][age_group] = '12')	Section Header: *Other risk factors* Pregnancy	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
149	risk_postpartum_4w Show the field ONLY if: [demo_and_case_decl_arm_1][gender] = '2' and ([demo_and_case_decl_arm_1][age_group] = '6' or [demo_and_case_decl_arm_1][age_group] = '7' or [demo_and_case_decl_arm_1][age_group] = '8' or [demo_and_case_decl_arm_1][age_group] = '9' or [demo_and_case_decl_arm_1][age_group] = '10' or [demo_and_case_decl_arm_1][age_group] = '11' or [demo_and_case_decl_arm_1][age_group] = '12')	Postpartum < 4 weeks *Women who gave birth in the 4 weeks before the episode*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
150	risk_premature_24w Show the field ONLY if: [demo_and_case_decl_arm_1][age_group] = '1' or [demo_and_case_decl_arm_1][age_group] = '2' or [demo_and_case_decl_arm_1][age_group] = '3'	Premature < 24 months *Premature children aged < 24 months*	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
151	risk_premature_week Show the field ONLY if: [risk_premature_24w] = '1'	...please specify the gestational week the child was born in *Number between 0 and 38*	text (integer, Min: 0, Max: 38), Required Custom alignment: RH
152	risk_premature_weight Show the field ONLY if: [risk_premature_24w] = '1'	...please specify weight at birth *in kg*	text (number), Required Custom alignment: RH
153	risk_smoking	Smoking	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
154	risk_ace	Is the patient under an ACE inhibitor?	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF

<table>
<tr><td>155</td><td>risk_charlston</td><td>Charlson Comorbidity Index (CCI)
Please report the SCORE, not the percentage nor the estimated risk

[PMID CACI Calculator]

Charlson M, Szatrowski TP, Peterson J, Gold J. Validation of a combined comorbidity index. J Clin Epidemiol. 1994;47(11):1245-51. PMID: 7722560</td><td>text (integer, Max: 40)
Custom alignment: RH
Field Annotation: @HIDDEN @HIDDEN-PDF</td></tr>
<tr><td>156</td><td>risk_charlston_auto</td><td>Charlson Comorbidity Index (Automated)
Note: in the computation of this score "unknown" responses in comorbidities will be considered as "no".</td><td>calc
Calculation: sum(if([demo_and_case_decl_arm_1][age_group]='10',1,0), if([demo_and_case_decl_arm_1][age_group]='11',2,0), if([demo_and_case_decl_arm_1][age_group]='12',2,0), if([demo_and_case_decl_arm_1][age_group]='13',3,0), if([demo_and_case_decl_arm_1][age_group]='14',4,0), if([demo_and_case_decl_arm_1][age_group]='15',4,0), if([demo_and_case_decl_arm_1][age_group]='16',4,0),
if([com_cardiovascular_myocard]='1',1,0),
if([com_cardiovascular_failure]='1',1,0),
if([com_pvd]='1',1,0), if([com_cerebrovascular]='1',1,0),
if([com_dementia]='1',1,0),
if([com_respiratory_copd]='1',1,0),
if([com_connective]='1',1,0), if([com_pud]='1',1,0),
if([com_liver_mild]='1',1,0), if([com_liver_severe]='1',3,0),
if([com_diabetes_stage]='2',1,0),
if([com_diabetes_stage]='3',2,0),
if([com_hemiplegia]='1',2,0),
if([com_renal_severe]='1',2,0),
if([com_solid_tumor]='2',2,0),
if([com_solid_tumor]='3',6,0), if([com_leukemia]='1',2,0),
if([com_lymphoma]='1',2,0), if([com_aids]='1',6,0))</td></tr>
<tr><td>157</td><td>antiv_prohylactic_ttt</td><td>Section Header: Antiviral treatment (against Influenza/COVID-19)
Prophylactic treatment</td><td>radio, Required
<table><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr><tr><td>-1</td><td>Unknown</td></tr></table>
Custom alignment: RH</td></tr>
<tr><td>158</td><td>antiv_infection_ttt</td><td>Treatment of confirmed infection</td><td>radio, Required
<table><tr><td>0</td><td>No</td></tr><tr><td>1</td><td>Yes</td></tr><tr><td>-1</td><td>Unknown</td></tr></table>
Custom alignment: RH</td></tr>
<tr><td>159</td><td>antiv_infection_ttt_nm_flu

Show the field ONLY if:
([antiv_prohylactic_ttt] = '1' or [antiv_infection_ttt] = '1') and [demo_and_case_decl_arm_1][inclusion_disease] = '1'</td><td>Name of the treatment</td><td>checkbox, Required
<table><tr><td>1</td><td>antiv_infection_ttt_nm_flu___1</td><td>Oseltamivir</td></tr><tr><td>2</td><td>antiv_infection_ttt_nm_flu___2</td><td>Zanamivir</td></tr><tr><td>3</td><td>antiv_infection_ttt_nm_flu___3</td><td>Baloxavir</td></tr><tr><td>99</td><td>antiv_infection_ttt_nm_flu___99</td><td>Other...</td></tr></table></td></tr>
<tr><td>160</td><td>antiv_infection_ttt_nm_covid

Show the field ONLY if:
([antiv_prohylactic_ttt] = '1' or [antiv_infection_ttt] = '1') and ([demo_and_case_decl_arm_1][inclusion_disease] = '2' or [demo_and_case_decl_arm_1][inclusion_disease] = '3')</td><td>Name of the treatment</td><td>checkbox, Required
<table><tr><td>1</td><td>antiv_infection_ttt_nm_covid___1</td><td>Chloroquine</td></tr><tr><td>2</td><td>antiv_infection_ttt_nm_covid___2</td><td>Interferon</td></tr><tr><td>3</td><td>antiv_infection_ttt_nm_covid___3</td><td>Lopinavir/Ritonavir</td></tr><tr><td>4</td><td>antiv_infection_ttt_nm_covid___4</td><td>Remdesivir</td></tr><tr><td>5</td><td>antiv_infection_ttt_nm_covid___5</td><td>Tenofovir</td></tr><tr><td>6</td><td>antiv_infection_ttt_nm_covid___6</td><td>Ribavirin</td></tr><tr><td>7</td><td>antiv_infection_ttt_nm_covid___7</td><td>Dexamethason (PLEASE REPORT DEXAMETHASON UNDER CORTICO-STEROID TREATMENTS, NOT HERE)</td></tr><tr><td>8</td><td>antiv_infection_ttt_nm_covid___8</td><td>Paxlovid</td></tr><tr><td>99</td><td>antiv_infection_ttt_nm_covid___99</td><td>Other...</td></tr></table>
Field Annotation: @HIDECHOICE="7"</td></tr>
<tr><td>161</td><td>antiv_infect_ttt_nm_other

Show the field ONLY if:
[antiv_infection_ttt_nm_covid(99)] = '1' or [antiv_infection_ttt_nm_flu(99)] = '1'</td><td>...please, specify (name of treatment)</td><td>text, Required
Custom alignment: RH</td></tr>
</table>

162	ttt_chlo_start_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (1)] = '1'	Start date of Chloroquine treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
163	ttt_chlo_end_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (1)] = '1'	End date of Chloroquine treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
164	ttt_int_start_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (2)] = '1'	Start date of Interferon treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
165	ttt_int_end_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (2)] = '1'	End date of Interferon treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
166	ttt_lop_start_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (3)] = '1'	Start date of Lopinovir/Ritonavir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
167	ttt_lop_end_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (3)] = '1'	End date of Lopinovir/Ritonavir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
168	ttt_rem_start_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (4)] = '1'	Start date of Remdesivir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
169	ttt_rem_end_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (4)] = '1'	End date of Remdesivir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
170	ttt_teno_start_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (5)] = '1'	Start date of Tenofovir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
171	ttt_teno_end_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (5)] = '1'	End date of Tenofovir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
172	ttt_rib_start_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (6)] = '1'	Start date of Ribavirin treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
173	ttt_rib_end_date Show the field ONLY if: [antiv_infection_ttt_nm_covid (6)] = '1'	End date of Ribavirin treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
174	ttt_osel_start_date Show the field ONLY if: [antiv_infection_ttt_nm_flu(1)] = '1'	Start date of Oseltamivir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
175	ttt_osel_end_date Show the field ONLY if: [antiv_infection_ttt_nm_flu(1)] = '1'	End date of Oseltamivir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
176	ttt_zana_start_date Show the field ONLY if: [antiv_infection_ttt_nm_flu(2)] = '1'	Start date of Zanamivir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
177	ttt_zana_end_date Show the field ONLY if: [antiv_infection_ttt_nm_flu(2)] = '1'	End date of Zanamivir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN

178	ttt_balo_start_date Show the field ONLY if: [antiv_infection_ttt_nm_flu(3)] = '1'	Start date of Baloxavir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
179	ttt_balo_end_date Show the field ONLY if: [antiv_infection_ttt_nm_flu(3)] = '1'	End date of Baloxavir treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
180	ttt_other_start_date Show the field ONLY if: [antiv_infection_ttt_nm_covid(99)] = '1' or [antiv_infection_ttt_nm_flu(99)] = '1'	Start date of Other treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
181	ttt_other_end_date Show the field ONLY if: [antiv_infection_ttt_nm_covid(99)] = '1' or [antiv_infection_ttt_nm_flu(99)] = '1'	End date of Other treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
182	antibodies_ttt	Section Header: *Monoclonal antibodies treatment (against COVID-19)* Monoclonal antibodies treatment (against COVID-19)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
183	antibodies_ttt_nm Show the field ONLY if: [antibodies_ttt] = '1'	Name of the antibody treatment	checkbox, Required 1 antibodies_ttt_nm___1 Bamlanivimab/Etesevimab 2 antibodies_ttt_nm___2 Casirivimab/Imdevimab 3 antibodies_ttt_nm___3 Tixagevimab/Cilgavimab (Evusheld) 4 antibodies_ttt_nm___4 Sotrovimab 99 antibodies_ttt_nm___99 Other antibodies
184	antibodies_ttt_other Show the field ONLY if: [antibodies_ttt_nm(99)] = '1'	...please specify (other monoclonal antibody treatment)	text, Required Custom alignment: RH
185	im_strategies_ttt Show the field ONLY if: [demo_and_case_decl_arm_1][inclusion_disease] = '2' or [demo_and_case_decl_arm_1][inclusion_disease] = '3'	Section Header: *Immune-modulating strategies (against COVID-19)* Cortico-steroids or another immune-modulating strategy (against COVID-19)	radio 0 No 1 Yes -1 Unknown Custom alignment: RH
186	im_strategies_ttt_nm Show the field ONLY if: [im_strategies_ttt] = '1'	Name of cortico-steroids or another immune-modulating strategy	checkbox, Required 1 im_strategies_ttt_nm___1 Systemic corticoids (dexamethasone, prednisone, other systemic corticoids) 2 im_strategies_ttt_nm___2 Inhaled corticoids (budesonide, other inhaled corticoids) 3 im_strategies_ttt_nm___3 Tocilizumab 4 im_strategies_ttt_nm___4 Baricitinib 99 im_strategies_ttt_nm___99 Other immune-modulating strategy
187	im_strategies_ttt_other Show the field ONLY if: [im_strategies_ttt_nm(99)] = '1'	...please specify (other immune-modulating strategy)	text, Required
188	antibody_infection_ttt Show the field ONLY if: ([demo_and_case_decl_arm_1][inclusion_disease] = '2' or [demo_and_case_decl_arm_1][inclusion_disease] = '3')	Antibody or immunomodulatory treatment against confirmed infection	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF

189	antibody_infection_ttt_nm Show the field ONLY if: ([antibody_infection_ttt] = '1') and ([demo_and_case_decl_arm_1][inclusion_disease] = '2' or [demo_and_case_decl_arm_1][inclusion_disease] = '3')	Name of the antibody or immunomodulatory treatment	checkbox 1, antibody_infection_ttt_nm___1, Bamlanivimab/Etesev 2, antibody_infection_ttt_nm___2, Casirivimab/Imdevim 3, antibody_infection_ttt_nm___3, Tocilizumab/Actemra 4, antibody_infection_ttt_nm___4, Plasma therapy 5, antibody_infection_ttt_nm___5, Sotrovimab 6, antibody_infection_ttt_nm___6, Baricitinib 99, antibody_infection_ttt_nm___99, Other... Field Annotation: @HIDDEN @HIDDEN-PDF
190	antibody_infect_ttt_nm_other Show the field ONLY if: [antibody_infection_ttt_nm(99)] = '1'	...please, specify (name of antibody or immunomodulatory treatment)	text Field Annotation: @HIDDEN @HIDDEN-PDF
191	ttt_bamete_start_date Show the field ONLY if: [antibody_infection_ttt_nm(1)] = '1'	Start date of Bamlanivimab/Etesevimab treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
192	ttt_bamete_end_date Show the field ONLY if: [antibody_infection_ttt_nm(1)] = '1'	End date of Bamlanivimab/Etesevimab treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
193	ttt_casim_start_date Show the field ONLY if: [antibody_infection_ttt_nm(2)] = '1'	Start date of Casirivimab/Imdevimab treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
194	ttt_casim_end_date Show the field ONLY if: [antibody_infection_ttt_nm(2)] = '1'	End date of Casirivimab/Imdevimab treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
195	ttt_toci_start_date Show the field ONLY if: [antibody_infection_ttt_nm(3)] = '1'	Start date of Tocilizumab/Actemra treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
196	ttt_toci_end_date Show the field ONLY if: [antibody_infection_ttt_nm(3)] = '1'	End date of Tocilizumab/Actemra treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
197	ttt_plasma_start_date Show the field ONLY if: [antibody_infection_ttt_nm(4)] = '1'	Start date of Plasma Therapy *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
198	ttt_plasma_end_date Show the field ONLY if: [antibody_infection_ttt_nm(4)] = '1'	End date of Plasma Therapy *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
199	ttt_sotro_start_date Show the field ONLY if: [antibody_infection_ttt_nm(5)] = '1'	Start date of Sotrovimab treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
200	ttt_sotro_end_date Show the field ONLY if: [antibody_infection_ttt_nm(5)] = '1'	End date of Sotrovimab treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
201	ttt_bari_start_date Show the field ONLY if: [antibody_infection_ttt_nm(6)] = '1'	Start date of Baricitinib treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
202	ttt_bari_end_date Show the field ONLY if: [antibody_infection_ttt_nm(6)] = '1'	End date of Baricitinib treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
203	ttt_otherantib_start_date Show the field ONLY if: [antibody_infection_ttt_nm(99)] = '1'	Start date of Other antibody or immunomodulatory treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN

204	ttt_otherantib_end_date Show the field ONLY if: [antibody_infection_ttt_nm(99)] = '1'	End date of Other antibody or immunomodulatory treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
205	dummy_9 Show the field ONLY if: [demo_and_case_decl_arm_1][inclusion_disease] = '2' or [demo_and_case_decl_arm_1][inclusion_disease] = '3'	WARNING - If the cortico-steroids are prescribed against COMPLICATIONS, please do not enter them here, but below in section "Additional treatments (against complications)"	descriptive Field Annotation: @HIDDEN @HIDDEN-PDF
206	ttt_cortico Show the field ONLY if: [demo_and_case_decl_arm_1][inclusion_disease] = '2' or [demo_and_case_decl_arm_1][inclusion_disease] = '3'	Was the patient treated with cortico-steroids against COVID-19?	radio 0, No 1, Yes -1, Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
207	ttt_cortico_name Show the field ONLY if: [ttt_cortico] = '1'	Name of the cortico-steroid treatment	checkbox 1, ttt_cortico_name___1, Dexamethason 2, ttt_cortico_name___2, Prednisone 3, ttt_cortico_name___3, Budesonid 99, ttt_cortico_name___99, Other... Field Annotation: @HIDDEN @HIDDEN-PDF
208	ttt_cortico_name_other Show the field ONLY if: [ttt_cortico_name(99)] = '1'	...please, specify (name of cortico-steroid treatment)	text Field Annotation: @HIDDEN @HIDDEN-PDF
209	ttt_dex_start_date Show the field ONLY if: [ttt_cortico_name(1)] = '1'	Start date of Dexamethason treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
210	ttt_dex_end_date Show the field ONLY if: [ttt_cortico_name(1)] = '1'	End date of Dexamethason treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
211	ttt_pred_start_date Show the field ONLY if: [ttt_cortico_name(2)] = '1'	Start date of Prednisone treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
212	ttt_pred_end_date Show the field ONLY if: [ttt_cortico_name(2)] = '1'	Ending date of Prednisone treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
213	ttt_bude_start_date Show the field ONLY if: [ttt_cortico_name(3)] = '1'	Start date of Budesonid treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
214	ttt_bude_end_date Show the field ONLY if: [ttt_cortico_name(3)] = '1'	End date of Budesonid treatment *(if available)*	text (date_dmy) Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
215	ttt_cortico_start_date Show the field ONLY if: [ttt_cortico_name(99)] = '1'	Start date of other cortico-steroids treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
216	ttt_cortico_end_date Show the field ONLY if: [ttt_cortico_name(99)] = '1'	End date of cortico-steroids treatment *(if available)*	text (date_dmy) Field Annotation: @HIDDEN-PDF @HIDDEN
217	intermediate_stay	Section Header: *Stay in Intermediate care* Did the patient stay in intermediate care ?	radio, Required 0, No 1, Yes -1, Unknown Custom alignment: RH
218	intermediate_entry_date_1 Show the field ONLY if: [intermediate_stay] = '1'	Section Header: *Intermediate care (first stay)* Intermediate care entry date *(if available)*	text (date_dmy), Required Custom alignment: RH
219	intermediate_exit_date_1 Show the field ONLY if: [intermediate_stay] = '1'	Intermediate care exit date *(if available)*	text (date_dmy), Required Custom alignment: RH

220	intermediate_ventil_noninvasive_1 Show the field ONLY if: [intermediate_stay] = '1'	Non-invasive ventilation	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
221	intermediate_stay_2 Show the field ONLY if: [intermediate_stay] = '1'	Any additional stay in intermediate care to report ?	radio, Required 0 No 1 Yes Custom alignment: RH
222	intermediate_entry_date_2 Show the field ONLY if: [intermediate_stay_2] = '1'	Section Header: *Intermediate care (second stay)* Intermediate care entry date *(if available)*	text (date_dmy), Required Custom alignment: RH
223	intermediate_exit_date_2 Show the field ONLY if: [intermediate_stay_2] = '1'	Intermediate care exit date *(if available)*	text (date_dmy), Required Custom alignment: RH
224	intermediate_ventil_noninvasive_2 Show the field ONLY if: [intermediate_stay_2] = '1'	Non-invasive ventilation	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
225	intermediate_stay_3 Show the field ONLY if: [intermediate_stay_2] = '1'	Any additional stay in intermediate care to report ?	radio, Required 0 No 1 Yes Custom alignment: RH
226	intermediate_entry_date_3 Show the field ONLY if: [intermediate_stay_3] = '1'	Section Header: *Intermediate care (third stay)* Intermediate care entry date *(if available)*	text (date_dmy), Required Custom alignment: RH
227	intermediate_exit_date_3 Show the field ONLY if: [intermediate_stay_3] = '1'	Intermediate care exit date *(if available)*	text (date_dmy), Required Custom alignment: RH
228	intermediate_ventil_noninvasive_3 Show the field ONLY if: [intermediate_stay_3] = '1'	Non-invasive ventilation	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
229	icare_stay	Section Header: *Stay in Intensive care* Did the patient stay in intensive care ?	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: LH
230	icare_entry_date_1 Show the field ONLY if: [icare_stay] = '1'	Section Header: *Intensive care (first stay)* Intensive care entry date *(if available)*	text (date_dmy), Required Custom alignment: RH
231	icare_exit_date_1 Show the field ONLY if: [icare_stay] = '1'	Intensive care exit date *(if available)*	text (date_dmy), Required Custom alignment: RH
232	icare_ventil_noninvasive_1 Show the field ONLY if: [icare_stay] = '1'	Non-invasive ventilation	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH

233	icare_ventil_invasive_1 Show the field ONLY if: [icare_stay] = '1'	Invasive ventilation	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
234	icare_ecmo_1 Show the field ONLY if: [icare_stay] = '1'	Extra-Corporeal Membrane Oxygenation (ECMO)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
235	icare_stay_2 Show the field ONLY if: [icare_stay] = '1'	Any additional stay in intensive care to report ?	radio, Required 0 No 1 Yes Custom alignment: RH
236	icare_entry_date_2 Show the field ONLY if: [icare_stay_2] = '1'	Section Header: *Intensive care (second stay)* Intensive care entry date *(if available)*	text (date_dmy), Required Custom alignment: RH
237	icare_exit_date_2 Show the field ONLY if: [icare_stay_2] = '1'	Intensive care exit date *(if available)*	text (date_dmy), Required Custom alignment: RH
238	icare_ventil_noninvasive_2 Show the field ONLY if: [icare_stay_2] = '1'	Non-invasive ventilation	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
239	icare_ventil_invasive_2 Show the field ONLY if: [icare_stay_2] = '1'	Invasive ventilation	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
240	icare_ecmo_2 Show the field ONLY if: [icare_stay_2] = '1'	Extra-Corporeal Membrane Oxygenation (ECMO)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
241	icare_stay_3 Show the field ONLY if: [icare_stay_2] = '1'	Any additional stay in intensive care to report ?	radio, Required 0 No 1 Yes Custom alignment: RH
242	icare_entry_date_3 Show the field ONLY if: [icare_stay_3] = '1'	Section Header: *Intensive care (third stay)* Intensive care entry date *(if available)*	text (date_dmy), Required Custom alignment: RH
243	icare_exit_date_3 Show the field ONLY if: [icare_stay_3] = '1'	Intensive care exit date *(if available)*	text (date_dmy), Required Custom alignment: RH
244	icare_ventil_noninvasive_3 Show the field ONLY if: [icare_stay_3] = '1'	Non-invasive ventilation	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH

245	icare_ventil_invasive_3 Show the field ONLY if: [icare_stay_3] = '1'	Invasive ventilation	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
246	icare_ecmo_3 Show the field ONLY if: [icare_stay_3] = '1'	Extra-Corporeal Membrane Oxygenation (ECMO)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
247	complications	Section Header: *Complications (probably related to Influenza/COVID-19)* Did the patient have any complications ?	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: LH
248	compl_ent Show the field ONLY if: [complications] = '1'	Ear/Nose/Throat (ENT) diseases	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
249	compl_otitis Show the field ONLY if: [compl_ent] = '1'	Acute Otitis Media	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
250	compl_respiratory Show the field ONLY if: [complications] = '1'	Respiratory diseases	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
251	compl_ards Show the field ONLY if: [compl_respiratory] = '1'	Acute respiratory distress syndrome	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
252	compl_pneumonia Show the field ONLY if: [compl_respiratory] = '1'	Pneumonia	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
253	compl_pneumonia_code Show the field ONLY if: [compl_pneumonia] = '1'	...pneumonia code [see pneumonia classification]	radio, Required 1 PN1 2 PN2 3 PN3 4 PN4 5 PN5 Custom alignment: RH

254	compl_lbpneumonia Show the field ONLY if: [compl_pneumonia] = '1'	...lobar pneumonia	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
255	compl_pneumonia_inf Show the field ONLY if: [compl_pneumonia] = '1'	...was the pneumonia associated with the reported infection?	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
256	compl_pims Show the field ONLY if: ([demo_and_case_decl_arm_1][age_group] = '1' or [demo_and_case_decl_arm_1][age_group] = '2' or [demo_and_case_decl_arm_1][age_group] = '2' or [demo_and_case_decl_arm_1][age_group] = '3' or [demo_and_case_decl_arm_1][age_group] = '4' or [demo_and_case_decl_arm_1][age_group] = '5' or [demo_and_case_decl_arm_1][age_group] = '6') and [complications] = '1'	Paediatric Multisystem Inflammatory Syndrome (PIMS/PMIS)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
257	compl_cardiovascular Show the field ONLY if: [complications] = '1'	Cardiac disease	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
258	compl_myocarditis Show the field ONLY if: [compl_cardiovascular] = '1'	...Myocarditis	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
259	compl_myocardiac_infarction Show the field ONLY if: [compl_cardiovascular] = '1'	...Myocardiac infarction	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
260	compl_arrhythmia Show the field ONLY if: [compl_cardiovascular] = '1'	...Arrhythmia	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
261	compl_heart_failure Show the field ONLY if: [compl_cardiovascular] = '1'	...Heart failure	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
262	compl_thrombosis Show the field ONLY if: [complications] = '1'	Thrombosis/Embolism	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH

263	compl_digestive Show the field ONLY if: [complications] = '1'	Digestive disease	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
264	compl_liver Show the field ONLY if: [complications] = '1'	Liver disease	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
265	compl_renal Show the field ONLY if: [complications] = '1'	Renal disease	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
266	compl_neuro_impair Show the field ONLY if: [complications] = '1'	Neurological impairment	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
267	compl_convulsion Show the field ONLY if: [complications] = '1'	Febrile convulsion	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
268	compl_psych Show the field ONLY if: [complications] = '1'	Psychiatric alteration	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
269	compl_decond Show the field ONLY if: [complications] = '1'	Deconditioning syndrome	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
270	compl_osteoarticular Show the field ONLY if: [complications] = '1'	Osteo-articular disease	radio 0 No 1 Yes -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
271	compl_bact Show the field ONLY if: [complications] = '1'	Other bacterial infections (excepted pneumonia)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH

272	compl_bacteremia Show the field ONLY if: [compl_bact] = '1'	.....Bacteremia	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
273	compl_nonbact Show the field ONLY if: [complications] = '1'	Other non-bacterial infections	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
274	compl_fungal Show the field ONLY if: [complications] = '1'	Fungal infections	radio 0 No 1 Yes -1 Unknown Custom alignment: RH
275	compl_enceph Show the field ONLY if: [complications] = '1'	Encephalitis/Encephalopathy	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
276	compl_other Show the field ONLY if: [complications] = '1'	Other complications	radio, Required 0 No 1 Yes Custom alignment: RH
277	compl_other_list Show the field ONLY if: [compl_other] = '1'	...please, specify (complications)	text Custom alignment: RH Field Annotation: @HIDDEN @HIDDEN-PDF
278	compl_antibiotic_ttt	Section Header: *Additional treatments (against complications)* Antibiotic treatment taken (against complications)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
279	compl_antibiotic_code1 Show the field ONLY if: [compl_antibiotic_ttt] = '1'	Code of given antibiotics (main) [see list of AB codes] *[code required - 0 if n/a]*	text (number, Min: 0, Max: 9999) Custom alignment: RH
280	compl_antibiotic_code2 Show the field ONLY if: [compl_antibiotic_code1] > 0	Code of given antibiotics (additional) *[optional]*	text (number, Min: 1, Max: 9999) Custom alignment: RH
281	compl_antibiotic_code3 Show the field ONLY if: [compl_antibiotic_code2] > 0	Code of given antibiotics (additional) *[optional]*	text (number, Min: 1, Max: 9999) Custom alignment: RH
282	compl_antibiotic_code4 Show the field ONLY if: [compl_antibiotic_code3] > 0	Code of given antibiotics (additional) *[optional]*	text (number, Min: 1, Max: 9999) Custom alignment: RH
283	compl_antibiotic_code5 Show the field ONLY if: [compl_antibiotic_code4] > 0	Code of given antibiotics (additional) *[optional]*	text (number, Min: 1, Max: 9999) Custom alignment: RH
284	compl_antibiotic_code6 Show the field ONLY if: [compl_antibiotic_code5] > 0	Code of given antibiotics (additional) *[optional]*	text (number, Min: 1, Max: 9999) Custom alignment: RH
285	compl_antibiotic_code7 Show the field ONLY if: [compl_antibiotic_code6] > 0	Code of given antibiotics (additional) *[optional]*	text (number, Min: 1, Max: 9999) Custom alignment: RH
286	compl_antibiotic_code8 Show the field ONLY if: [compl_antibiotic_code7] > 0	Code of given antibiotics (additional) *[optional]*	text (number, Min: 1, Max: 9999) Custom alignment: RH

287	compl_antibiotic_code9 Show the field ONLY if: [compl_antibiotic_code8] > 0	Code of given antibiotics (additional) *[optional]*	text (number, Min: 1, Max: 9999) Custom alignment: RH
288	compl_antibiotic_code10 Show the field ONLY if: [compl_antibiotic_code9] > 0	Code of given antibiotics (additional) *[optional]*	text (number, Min: 1, Max: 9999) Custom alignment: RH
289	compl_antifungal_ttt	Antifungal treatment taken (against complications)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
290	compl_cortico_ttt	Cortico-steroids treatment taken (against complications)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
291	compl_immod_ttt	Immunomodulator treatment taken (against complications)	radio, Required 0 No 1 Yes -1 Unknown Custom alignment: RH
292	clinical_complementary_information_complete	Section Header: *Form Status* Complete?	dropdown 0 Incomplete 1 Unverified 2 Complete
Instrument: **Patient Follow Up** (patient_follow_up)			Collapse
293	transfer	Was the patient transferred during hospitalisation?	radio 1 Yes 0 No -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
294	transfer_to Show the field ONLY if: [transfer] = '1'	... the patient was transferred in	checkbox 1 transfer_to___1 Medicine 2 transfer_to___2 Geriatrics 3 transfer_to___3 Intensive Care 4 transfer_to___4 Surgery 5 transfer_to___5 Paediatrics 6 transfer_to___6 NICU/PICU 7 transfer_to___7 Obstetrics 99 transfer_to___99 Others... Field Annotation: @HIDDEN-PDF @HIDDEN
295	transfer_other Show the field ONLY if: [transfer_to(99)] = '1'	... please specify (one item only)	text Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
296	death	Section Header: *Patient's destination* Deceased	radio, Required 1 Yes 0 No -1 Unknown Custom alignment: RH
297	death_where Show the field ONLY if: [death] = '1'	... death occured	radio, Required 1 during hospitalisation 2 after being discharged Custom alignment: RH

298	discharge_death_date Show the field ONLY if: [death] = '1'	Date of death	text (date_dmy, Min: 2020-01-01), Required Custom alignment: RH
299	death_cause Show the field ONLY if: [death] = '1'	Was the death caused by Influenza/COVID-19?	radio, Required 0, No 1, Yes -1, Unknown Custom alignment: RH
300	discharge_destin Show the field ONLY if: [death_where] <> '1'	Destination	radio, Required 1, Domicile 2, LTC Facility 3, Another hospital 4, Rehabilitation 99, Other -1, Unknown
301	discharge_destin_other Show the field ONLY if: [discharge_destin] = '99'	... please specify destination	text, Required
302	discharge_other_hosp Show the field ONLY if: [discharge_destin] = '3'	Was the patient transferred to an hospital participating to this surveillance system?	radio, Required 0, No 1, Yes
303	discharge_destin_hospname Show the field ONLY if: [discharge_other_hosp] = '1'	In which participating hospital was the patient transferred? Make sure you give the patient ID to the hospital he/she is being transferred to in order to ease the follow-up process!	dropdown, Required 264, CHUV (Lausanne) 266, EOC (Lugano) 267, HFR (Fribourg) 268, Hirslanden AG ZH (Zurich) 284, Hirslanden Klinik St. Anna (Luzern) 269, Hopital VS (Sion) 260, HUG (Geneva) 270, Inselspital (Bern) 271, UKBB (Kinderspital Basel) 272, KISPI (Zurich) 273, KSA (Aarau) 274, KSGR (Graubuenden) 275, KSNW (Niedwalden) 276, KSSG (St.Gallen) & consortium 277, KSW (Winterthur) 278, LUKS (Luzern) 279, OKS (St.Gallen) 280, Spitaeler SH (Schaffhausen) 281, STGAG KSM (Muensterlingen) 282, USB (Basel) 283, USZ (Zurich)
304	discharge_other_hosp_why Show the field ONLY if: [discharge_destin] = '3'	Why was the patient transferred to another hospital?	radio 1, Lack of space 2, Favourable evolution (the patient was put in recovery care) 3, Unfavourable evolution (the patient needed to be put in intensive care) -1, Unknown Field Annotation: @HIDDEN @HIDDEN-PDF
305	discharge_date Show the field ONLY if: [death_where] <> '1'	Discharging date from hospital	text (date_dmy, Min: 2020-01-01), Required

306	sequelae Show the field ONLY if: [death_where] <> '1'	Did the patient leave with any sequelae requiring post-discharge treatment?	radio 1 Yes 0 No -1 Unknown Custom alignment: RH Field Annotation: @HIDDEN-PDF @HIDDEN
307	because_with_discharge	Based on all the information available at discharge, was the patient hospitalised	radio, Required 1 Because of COVID-19/Influenza 2 With COVID-19/Influenza 3 No determination possible -1 Not documented
308	discharge_comments	Section Header: *Comments* Comments	text
309	patient_follow_up_complete	Section Header: *Form Status* Complete?	dropdown 0 Incomplete 1 Unverified 2 Complete