Learner's Guide to Event Reports

What is this guide?

This guide contains all exercises and detailed steps to perform them related to the use of event reports for the Tracker Use Level 1 academy. Please perform each of the exercises when prompted to by your instructors

Learning objectives for this session

The overall objective of this session is to use the DHIS2 event reports app to review ***tracker*** data. Detailed objectives include:

1. Describe the functions of the event reports app
2. Explain the difference between event and enrollment type reports
3. Design event reports using tracker data
4. Describe the differences between how repeated and non-repeated stage data is displayed
5. Design event reports showing data from multiple tracker program stages

Exercise 1

Create an aggregate/pivot table event report using COVID-19 surveillance

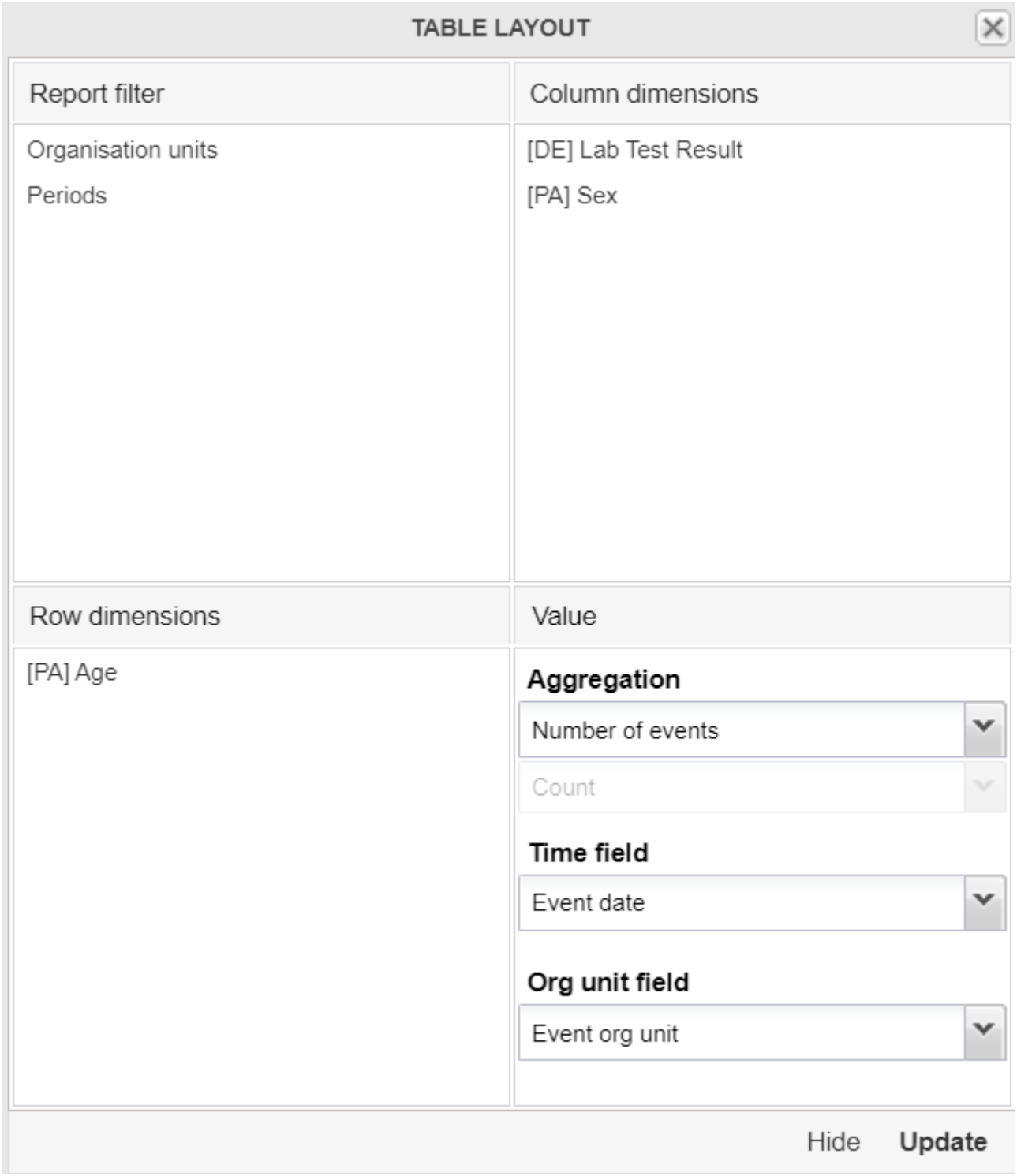
Create an aggregate event report. You can use the following data items as an example:

- Table Style : Pivot, Output Type : Event
- Program : COVID-19 Case Based Surveillance
- Stage : Stage 3 - Lab Results
- Data : Lab Test Result (select Positive as the filter), Age (apply the Age COVID-19 Legend), Sex
- Period : This year
- Org Unit : Country

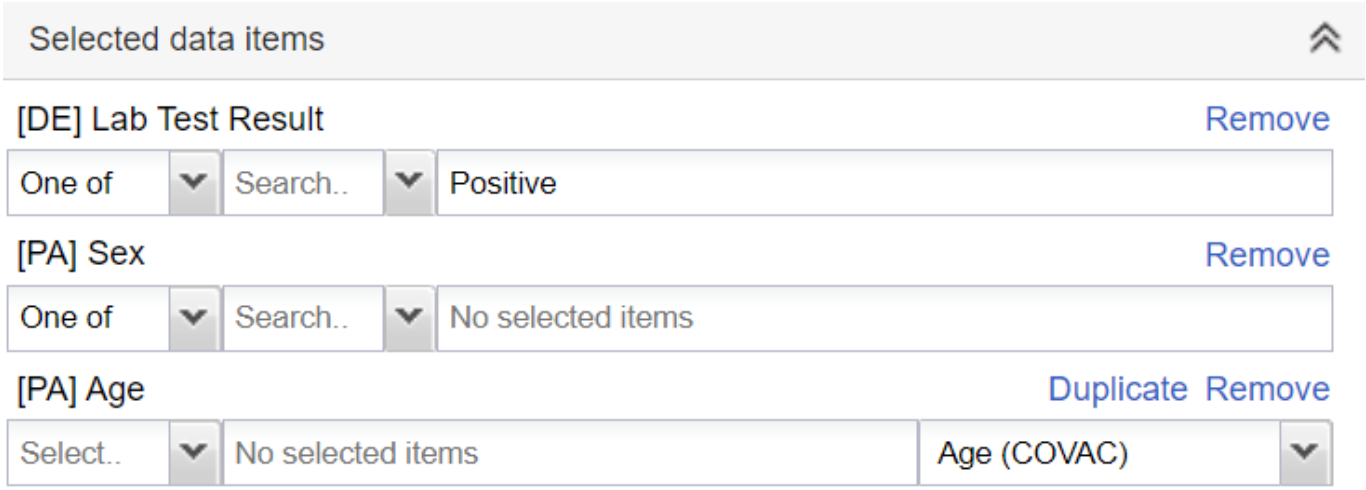
This is saved as "COVID_CBS - Confirmed cases by Age & Sex" for reference.

		Period	2024		Total
Lab Test Result	Age	Sex / Organisation unit	Lao PDR		
Positive	0 - 4	Female	97	97	97
		Male	86	86	86
	5 - 14	Female	171	171	171
		Male	183	183	183
	15 - 24	Female	147	147	147
		Male	158	158	158
	25 - 34	Female	158	158	158
		Male	163	163	163
	35 - 44	Female	162	162	162
		Male	178	178	178
	45 - 54	Female	88	88	88
		Male	88	88	88
	55 - 64	Female	1	1	1
		Male			
	65 - 74	Female			
		Male			
	75 - 84	Female			
		Male			
	85+	Female			
		Male			
			1 680	1 680	1 680
Total			1 680	1 680	1 680

The layout can should like this



Note that you can modify the way data that is collected through tracker (and event) programs is aggregated. You can review this by changing the legend for the Age attribute to Age (COVAC) and updating the table.



Lao PDR - 2024				
Lab Test Result	Positive			Total
Age / Sex	Female	Male		
0 - 5	114	99	213	213
6 - 11	111	120	231	231
12 - 17	88	90	178	178
18 - 34	260	281	541	541
35 - 54	250	266	516	516
55+	1		1	1
Total	824	856	1 680	1 680

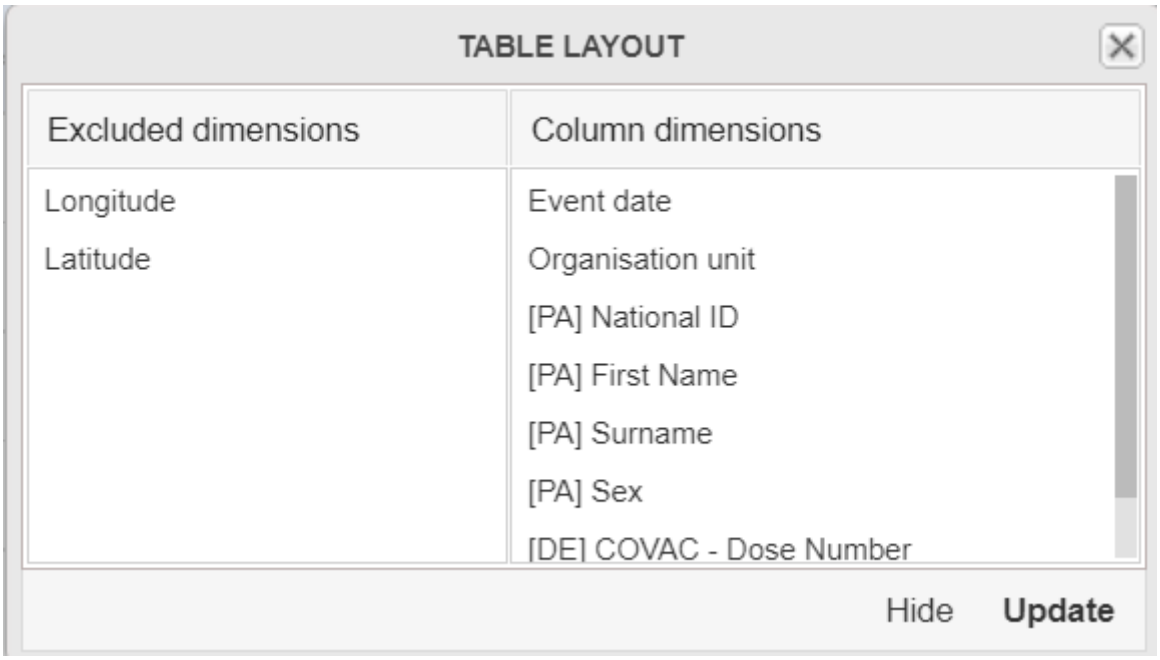
You will see all the totals are the same; however the disaggregation of the data is different.

Create a line list event report using COVID-19 vaccination

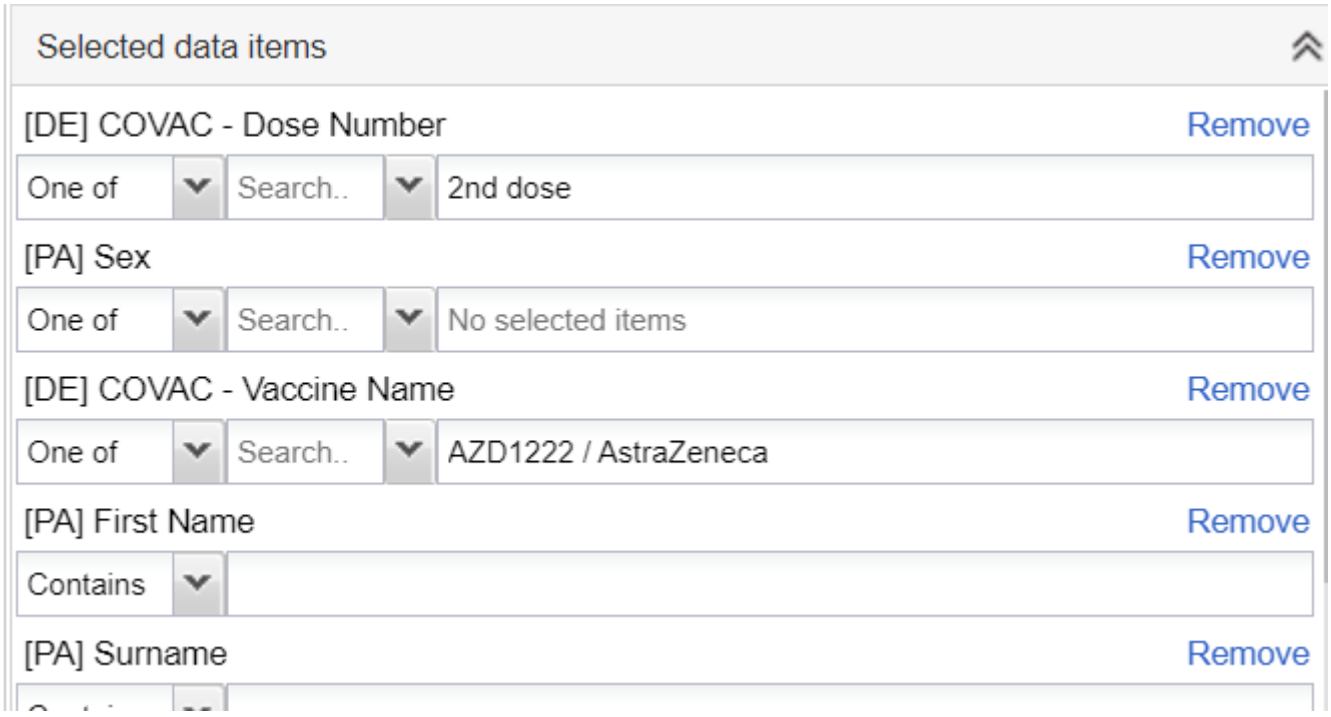
Create a new report by going to Favorites -> New and select the following details

- Table Style : Line, Output Type : Event
- Program : COVAC - COVID-19 Vaccination Registry
- Stage : Vaccination
- Data
    - First Name, Surname, National ID, Sex
    - Vaccine Name
    - Dose Number (Filter by 1st dose)
- Period : This year
- Org Unit : Country

Before updating the table, open the layout and move the items around in a logical order, noting how this will affect the output of the table.



Proceed to update the table and review what is being shown. Modify the filters to see how the line list is updated



You will only see the data which meets this criteria

#	Dose given on (Vaccination date)	Date of registration	Incident date	Organisation unit	National ID	First Name	Surname	Sex	COVAC - Dose Number	COVAC - Vaccine Name
1	2024-12-21 00:00:00.0	2024-11-30 00:00:00.0	2023-09-20 22:01:41.418	HC Onnoy	ID-1295786	Nicole	Evans	Female	2nd dose	AZD1222 / AstraZeneca
2	2024-12-14 00:00:00.0	2024-11-23 00:00:00.0	2023-09-20 22:03:37.998	HC Thongmuat	ID-2808158	Jennifer	Mendez	Female	2nd dose	AZD1222 / AstraZeneca
3	2024-12-13 00:00:00.0	2024-11-22 00:00:00.0	2023-09-20 22:01:41.592	HC Dontan	ID-1994312	Austin	Kim	Male	2nd dose	AZD1222 / AstraZeneca
4	2024-12-12 00:00:00.0	2024-11-21 00:00:00.0	2023-09-20 22:03:31.459	HC Viangxai (Banviang)	ID-2629476	Jeremy	Brooks	Male	2nd dose	AZD1222 / AstraZeneca
5	2024-12-11 00:00:00.0	2024-11-20 00:00:00.0	2023-09-20 22:01:38.578	HC Vangsa (Namhang)	ID-4491030	Jacqueline	Taylor	Female	2nd dose	AZD1222 / AstraZeneca
6	2024-12-09 00:00:00.0	2024-11-18 00:00:00.0	2023-09-20 22:01:36.662	HC Namouang	ID-1666390	Darren	Serrano	Male	2nd dose	AZD1222 / AstraZeneca
7	2024-12-09 00:00:00.0	2024-11-18 00:00:00.0	2023-09-20 22:01:35.629	HC Kiounya	ID-1854406	Richard	Day	Male	2nd dose	AZD1222 / AstraZeneca
8	2024-12-08 00:00:00.0	2024-11-17 00:00:00.0	2023-09-20 22:01:40.06	HC Namtip	ID-2632576	Stephanie	Rodriguez	Female	2nd dose	AZD1222 / AstraZeneca
9	2024-12-06 00:00:00.0	2024-11-15 00:00:00.0	2023-09-20 22:03:29.931	HC Dakpa	ID-2597319	Dana	Allen	Female	2nd dose	AZD1222 / AstraZeneca
10	2024-12-05 00:00:00.0	2024-11-14 00:00:00.0	2023-09-20 22:03:29.404	HC Banpoung	ID-2315822	Cory	Maldonado	Male	2nd dose	AZD1222 / AstraZeneca
11	2024-11-30 00:00:00.0	2024-11-09 00:00:00.0	2023-09-20 22:03:38.299	0606 DH Ngoy	ID-1874186	Curtis	Keller	Male	2nd dose	AZD1222 / AstraZeneca
12	2024-11-29 00:00:00.0	2024-11-08 00:00:00.0	2023-09-20 22:01:35.243	DW Phonxai	ID-1853082	Andrea	Wallace	Female	2nd dose	AZD1222 / AstraZeneca
13	2024-11-29 00:00:00.0	2024-11-08 00:00:00.0	2023-09-20 22:03:36.842	HC Phatang	ID-2475469	Jeremiah	Long	Male	2nd dose	AZD1222 / AstraZeneca
14	2024-11-28 00:00:00.0	2024-11-07 00:00:00.0	2023-09-20 22:01:36.772	HC Sophoun	ID-4065603	Jeffrey	Henderson	Male	2nd dose	AZD1222 / AstraZeneca
15	2024-11-27 00:00:00.0	2024-11-06 00:00:00.0	2023-09-20 22:01:33.629	UV Songkhon	ID-2392713	Kevin	Howard	Male	2nd dose	AZD1222 / AstraZeneca
16	2024-11-25 00:00:00.0	2024-11-04 00:00:00.0	2023-09-20 22:01:42.744	HC Nakala	ID-8124960	Jay	Clark	Male	2nd dose	AZD1222 / AstraZeneca
17	2024-11-22 00:00:00.0	2024-11-01 00:00:00.0	2023-09-20 22:01:43.469	UV Songkhon	ID-9248937	Donna	Johnson	Female	2nd dose	AZD1222 / AstraZeneca

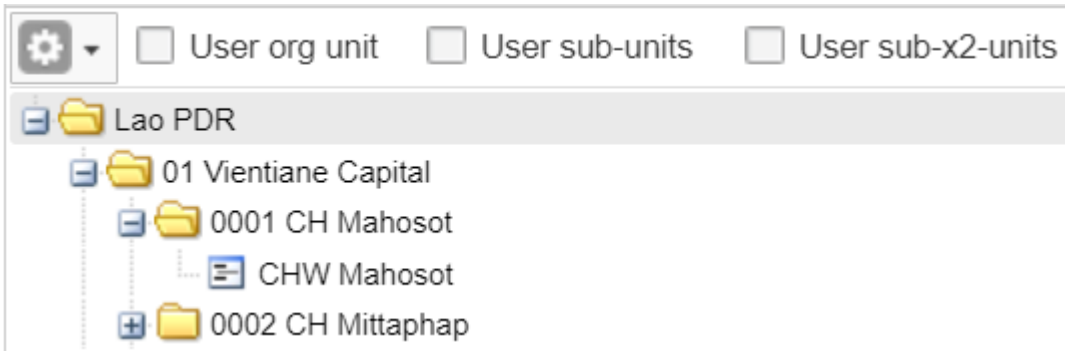
Exercise 2

Create a list type event report for a repeatable stage using the COVID-19 surveillance program

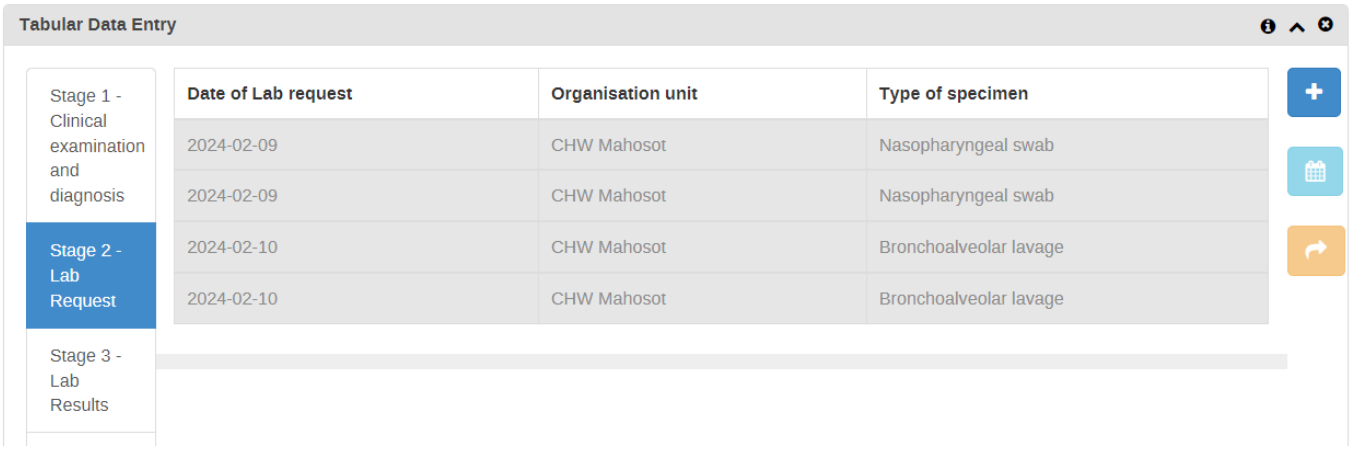
The data we will be reviewing to demonstrate this concept is taken from the following record:

- Org Unit : CHW Mahosot
- Program : COVID-19 Case-based surveillance
- Local Case ID : ID-5353942, First Name : Angela, Last Name : Campbell, Sex : Female

Note : here is the location of the org unit in case you are unfamiliar with this hierarchy (01 Vientiane Capital -> 0001 CH Mahosot -> CHW Mahosot)



Open up this record and navigate to the "Lab Request" stage within this program. Here you will see that there is more then one event assigned to the program. Over the next several demonstrations, we will discuss the difference of event vs. enrollment report types and how repeated stage data is affected by this selection.



Open up the different events within this stage and review the data that is there. The data will not be the same for each of these events making them easy to compare.

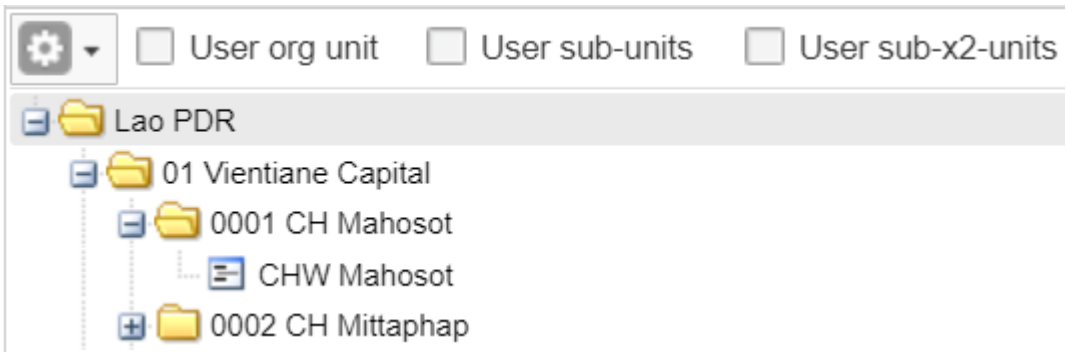
Keep tracker capture open on this record and open event reports in a new tab in case you need to refer to this record again.

We will now review how event and enrollment type reports handle this repeatable stage data.

Create an event report with the following inputs:

- Table Style : Line List
- Output Type : Event
- Program : COVID-19 Case-based Surveillance, Stage : Lab Request
- Data :
    - Local Case ID : ID-5353942
    - First Name
    - Surname
    - Lab Test Reason
    - Type of test
    - Type of specimen
- Period : This Year
- Org Unit : CHW Mahosot

Note : here is the location of the org unit in case you are unfamiliar with this hierarchy (01 Vientiane Capital -> 0001 CH Mahosot -> CHW Mahosot)



This should pull up the respective information for the two events that we saw when we reviewed this record in tracker capture. It is saved as "COVID_CBS - Lab Request Summary (Event)" for reference in DHIS2.

#	Date of Lab request	Case Registration Date	Date of symptoms onset	Organisation unit	Local Case ID	First Name	Surname	Lab Test Reason	Spx Type of Test	Spx Type of specimen
1	2024-02-10 00:00:00.0	2024-02-08 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot	ID-5353942	Angela	Campbell	Ill seeking healthcare due to suspicion of COVID-19	PCR	Bronchoalveolar lavage
2	2024-02-09 00:00:00.0	2024-02-08 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot	ID-5353942	Angela	Campbell	Contact of a case	PCR	Nasopharyngeal swab

> When we are creating event reports and use "event" as the output type, ALL of the events from within a program stage will be output on our report. There is a limitation here in that we can only pull all of our event data from within one program stage, and as a result there are not really "linked" together as they are separate lines within our report.

We can further demonstrate this concept by adding more repeated event data. ***Modify the output so you are not filtering by any local case ID and update the report.*** Try sorting the data by Surname. Scroll through the report; you should see several repeated events displayed on this report.

#	Date of Lab request	Case Registration Date	Date of symptoms onset	Organisation unit	Local Case ID	First Name	Surname	Lab Test Reason	Spx Type of Test	Spx Type of specimen
1	2024-10-20 00:00:00.0	2024-12-20 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot		Michelle	Brown	Contact of a case	PCR	Bronchoalveolar lavage
2	2024-10-18 00:00:00.0	2024-10-01 00:00:00.0	2023-10-19 13:49:57.679	CHW Mahosot		Bart	Simpson	Ill seeking healthcare due to suspicion of COVID-19	PCR	Bronchoalveolar lavage
3	2024-10-18 00:00:00.0	2024-10-01 00:00:00.0	2023-10-19 13:49:57.679	CHW Mahosot		Bart	Simpson	Contact of a case	PCR	N/A
4	2024-10-06 00:00:00.0	2024-05-06 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot	ID-1111900	Norma	Walters	Contact of a case	PCR	Nasopharyngeal aspirate
5	2024-10-06 00:00:00.0	2024-03-01 00:00:00.0	2023-09-20 00:03:51.033	CHW Mahosot	ID-9014725	Sydney	Lopez	Contact of a case	PCR	Nasopharyngeal aspirate
6	2024-09-30 00:00:00.0	2024-09-30 00:00:00.0	2023-09-30 00:00:00.0	CHW Mahosot	JX9087898	Matthew	Maker	Ill seeking healthcare due to suspicion of COVID-19	PCR	Nasal wash
7	2024-09-30 00:00:00.0	2024-09-30 00:00:00.0	2023-09-30 00:00:00.0	CHW Mahosot	JX9087898	Matthew	Maker	Ill seeking healthcare due to suspicion of COVID-19	PCR	Nasopharyngeal aspirate
8	2024-07-13 00:00:00.0	2024-07-12 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot		Randy	Newman	Contact of a case	PCR	Bronchoalveolar lavage
9	2024-07-11 00:00:00.0	2024-07-10 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot		Jorge	Kennedy	Contact of a case	PCR	Bronchoalveolar lavage
10	2024-06-23 00:00:00.0	2024-09-12 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot	ID-2139598	Daniel	Morris	Contact of a case	PCR	Nasopharyngeal aspirate
11	2024-06-23 00:00:00.0	2024-09-12 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot	ID-2139598	Daniel	Morris	Contact of a case	PCR	Oropharengeal swab
12	2024-06-01 00:00:00.0	2024-06-01 00:00:00.0	2023-06-07 00:00:00.0	CHW Mahosot	2342342	Shurajit	Dutta	N/A	N/A	N/A
13	2024-05-29 00:00:00.0	2024-08-18 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot	ID-1316654	Timothy	Malone	Contact of a case	PCR	Nasopharyngeal swab
14	2024-04-25 00:00:00.0	2024-07-15 00:00:00.0	2023-09-19 21:24:52.803	CHW Mahosot	ID-1774827	Chad	Carroll	Contact of a case	PCR	Oropharengeal swab
15	2024-04-18 00:00:00.0	2024-06-18 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot		James	Gonzalez	Contact of a case	PCR	Bronchoalveolar lavage
16	2024-04-07 00:00:00.0	2024-04-07 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot	ID-2091486	Ryan	Pittman	Contact of a case	PCR	Bronchoalveolar lavage
17	2024-03-30 00:00:00.0	2024-06-19 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot	ID-1727867	Brandon	Barnes	Contact of a case	PCR	Nasopharyngeal aspirate
18	2024-03-30 00:00:00.0	2024-06-19 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot	ID-1727867	Brandon	Barnes	Contact of a case	PCR	Oropharengeal swab
19	2024-02-14 00:00:00.0	2024-05-06 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot	ID-1111900	Norma	Walters	Contact of a case	PCR	Bronchoalveolar lavage

> In summary, when running an event report with repeatable data using "event" as the output type, all of the event data from a single program stage will be used in the report!

Update the report using enrollment as the output type

Change your output type to enrollment. Here are the selections to make for the remainder of the report

- Table Style : Line List
- Output Type : Enrollment
- Program : COVID-19 Case-based Surveillance, Stage : Lab Request
- Data :
    - Local Case ID
    - First Name
    - Surname
    - Lab Test Reason
    - Type of test
    - Type of specimen
- Period : This Year
- Org Unit : CHW Mahosot

This is saved as "COVID_CBS - Lab Request Summary (Enrollment)" in DHIS 2 for reference.

Update Favorites Layout Options Download Embed

#	Case Registration Date	Date of symptoms onset	Organisation unit	Local Case ID	First Name	Surname	Lab Test Reason	Spx Type of Test	Spx Type of specimen
1	2024-12-20 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot		Michelle	Brown	Contact of a case	PCR	Bronchoalveolar lavage
2	2024-10-12 00:00:00.0	2023-10-12 00:00:00.0	CHW Mahosot	TE0001	Thai	Ng	N/A	N/A	N/A
3	2024-10-01 00:00:00.0	2023-10-19 13:49:57.679	CHW Mahosot		Bart	Simpson	Contact of a case	PCR	N/A
4	2024-09-30 00:00:00.0	2023-09-30 00:00:00.0	CHW Mahosot	JX9087898	Matthew	Maker	Ill seeking healthcare due to suspicion of COVID-19	PCR	Nasal wash
5	2024-09-12 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot	ID-2139598	Daniel	Morris	Contact of a case	PCR	Oropharengeal swab
6	2024-08-18 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot	ID-1316654	Timothy	Malone	Contact of a case	PCR	Nasopharyngeal swab
7	2024-07-15 00:00:00.0	2023-09-19 21:24:52.803	CHW Mahosot	ID-1774827	Chad	Carroll	Contact of a case	PCR	Oropharengeal swab
8	2024-07-12 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot		Randy	Newman	Contact of a case	PCR	Bronchoalveolar lavage
9	2024-07-10 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot		Jorge	Kennedy	Contact of a case	PCR	Bronchoalveolar lavage
10	2024-06-19 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot	ID-1727867	Brandon	Barnes	Contact of a case	PCR	Oropharengeal swab
11	2024-06-18 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot		James	Gonzalez	Contact of a case	PCR	Bronchoalveolar lavage
12	2024-06-01 00:00:00.0	2023-06-07 00:00:00.0	CHW Mahosot	2342342	Shurajit	Dutta	N/A	N/A	N/A
13	2024-05-06 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot	ID-1111900	Norma	Walters	Contact of a case	PCR	Nasopharyngeal aspirate
14	2024-04-07 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot	ID-2091486	Ryan	Pittman	Contact of a case	PCR	Bronchoalveolar lavage
15	2024-04-04 00:00:00.0	2023-09-20 00:03:50.393	CHW Mahosot	ID-7406181	Rachel	Jones	Contact of a case	PCR	Bronchoalveolar lavage
16	2024-03-01 00:00:00.0	2023-09-20 00:03:51.033	CHW Mahosot	ID-9014725	Sydney	Lopez	Contact of a case	PCR	Nasopharyngeal aspirate
17	2024-02-08 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot	ID-5353942	Angela	Campbell	Ill seeking healthcare due to suspicion of COVID-19	PCR	Bronchoalveolar lavage
18	2024-02-06 00:00:00.0	2023-09-19 00:00:00.0	CHW Mahosot		Ryan	Robinson	Contact of a case	PCR	Bronchoalveolar lavage
19	2024-01-09 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot	ID-9130452	Brandi	Chan	Contact of a case	PCR	Oropharengeal swab

When we make this update, the number of records shown changes. This occurs because enrollment type reports only use the most recent event within a program stage for their output. When generating line list type data for repeated events they are potentially not as useful as there is a chance that you may miss some of the events when creating your list.

> In summary, when running an event report with repeatable data using "enrollment" as the output type, you will only see the most recent event data.

Exercise 3

Create an aggregate/pivot table event report using a repeatable stage

The same concepts that we applied to line lists are applicable to the data when it is aggregated. So, when event is selected as the output type it will count the number of events, including repeated events within a stage.

Let's review a very simple example

- Table Style : Pivot, Output Type : Event
- Program : COVAC - COVID-19 Vaccination Registration
- Stage : Vaccination
- Data : Sex, Vaccine Name
- Period : Last year
- Org Unit : Country

This is saved as the output "COVAC - Doses by sex." You can either create this report for extra practice or open it to review it.

Duplicate your tab and open the event report "COVAC - Registrations by sex."

This report has all of the same data input selections but is using "Enrollment" as the output type instead of event.

What happens when we compare these two outputs?

Organisation unit / Sex	Female	Male	Total
01 Vientiane Capital	662	659	1 321
02 Phongsali	740	752	1 492
03 Louangnamtha	547	539	1 086
04 Oudomxai	813	775	1 588
05 Bokeo	507	518	1 025
06 Louangphabang	1289	1290	2 579
07 Houaphan	1047	1044	2 091
08 Xainyabouli	1226	1157	2 383
09 Xiangkhouang	785	716	1 501
10 Vientiane	742	762	1 504
11 Bolikhamxai	628	636	1 264
12 Khammouan	1093	1147	2 240
13 Savannakhet	2165	2398	4 563
14 Salavan	1090	1023	2 113
15 Xekong	517	460	977
16 Champasak	1260	1345	2 605
17 Attapu	532	519	1 051
18 Xaisomboun	324	417	741
Total	15 967	16 157	32 124

Doses by Sex Event

Organisation unit / Sex	Female	Male	Total
01 Vientiane Capital	369	361	730
02 Phongsali	406	416	822
03 Louangnamtha	302	300	602
04 Oudomxai	459	437	896
05 Bokeo	283	283	566
06 Louangphabang	711	710	1 421
07 Houaphan	582	579	1 161
08 Xainyabouli	670	639	1 309
09 Xiangkhouang	432	397	829
10 Vientiane	412	426	838
11 Bolikhamxai	355	351	706
12 Khammouan	615	633	1 248
13 Savannakhet	1215	1321	2 536
14 Salavan	605	571	1 176
15 Xekong	289	254	543
16 Champasak	699	739	1 438
17 Attapu	293	291	584
18 Xaisomboun	182	231	413
Total	8 879	8 939	17 818

Registrations by Sex Enrollment

The output "COVAC - Doses by sex" is useful in understanding how many actual vaccinations have been given, because the vaccination program consists of a program stage that is repeatable. This report is using "event" as the output type, meaning it will count or display data for all events in one program stage.

This is not so useful however if we want to identify the number of unique individuals that are currently in the vaccination program. The output "COVAC - Registrations by sex" shows this as it is only counting the number of enrollments based on the "Enrollment" output type that has been selected.

> In summary, the "event" output type always shows data for all events within a single program stage, while the "enrollment" output type will count unique registrations and will only use data from the most recent event in its output.

Exercise 4

Create a line list enrollment report using multiple stages from the COVID-19 surveillance program

Enrollment type reports have one last function that is very useful in addition to counting or displaying unique registrations. This is the ability of these reports to display data from multiple stages. Note that this can only be done for line list type reports, as having data from different stages is currently not built in to the pivot table style event report. This can be done using program indicators instead and is discussed in the program indicator analysis session.

When creating these reports, keep in mind the scenarios we went through previously and remember that ***the enrollment output type only uses data from the most recent event.***

So, using our COVID-19 case-based surveillance program as an example, where lab test and lab result are repeated stages, if we show data from these stages together, it will only show the data from the most recent entry from within either of these stages.

Create an event report with the following inputs:

- Table Style : Line List
- Output Type : Enrollment
- Program : COVID-19 Case-based Surveillance
- Attributes
    - First Name, Surname, Sex
- Stage 1 - Clinical Exam
    - Underlying condition
    - Signs/symptoms present
- Stage 3 - Lab Results
    - Type of Test
    - Lab Result
- Stage 4 - Health Outcome
    - Health Outcome
- Period : This Year
- Org Unit : Country

This is saved as "COVID_CBS - Enrollment Summary" for reference.

#	Case Registration Date	Date of symptoms onset	Organisation unit	First Name	Surname	Sex	Sign/Symptoms Present	Underlying Condition	Spx Type of Test	Lab Test Result	Health outcome
1	2024-12-22 00:00:00.0	2023-09-19 21:25:36.882	1609 DH Mounlapamok	Zachary	Thompson	Male	No	No	PCR	Positive	Recovered
2	2024-12-21 00:00:00.0	2023-09-19 23:30:32.815	HC Thongkhang	Jennifer	Bryant	Female	N/A	N/A	PCR	Inconclusive	N/A
3	2024-12-20 00:00:00.0	2023-09-19 23:32:52.841	HC Phonsamphan	Briana	Thomas	Female	N/A	N/A	PCR	Inconclusive	N/A
4	2024-12-20 00:00:00.0	2023-09-19 21:24:02.817	HC Khokka (Ta-ngon)	Sharon	Lawrence	Female	No	No	PCR	Positive	Recovered
5	2024-12-20 00:00:00.0	2023-09-20 15:03:48.575	HC Banxoh (Bankouay)	Carol	Perez	Female	Yes	No	PCR	Positive	Recovered
6	2024-12-20 00:00:00.0	2023-09-20 00:38:51.268	HC Thabokeo (Bouamphoh)	Mackenzie	Lane	Female	Yes	Yes	PCR	Positive	Unknown
7	2024-12-20 00:00:00.0	2023-09-20 15:58:12.407	UV Atsaphon	Elizabeth	Mccarty	Female	Yes	No	PCR	Positive	Death
8	2024-12-20 00:00:00.0	2023-09-20 01:40:09.149	PPM Salavan	Linda	Mckee	Female	Yes	Yes	PCR	Inconclusive	Recovered
9	2024-12-20 00:00:00.0	2023-09-20 00:00:00.0	CHW Mahosot	Michelle	Brown	Female	Yes	Yes	PCR	Inconclusive	Recovered
10	2024-12-19 00:00:00.0	2023-09-20 15:04:27.604	UV Nan	Chris	Rice	Male	Yes	No	PCR	Positive	Recovered
11	2024-12-19 00:00:00.0	2023-09-20 15:06:24.315	HC Namnyon (Houayxay)	Sharon	Burnett	Female	Yes	No	PCR	Positive	Recovered
12	2024-12-17 00:00:00.0	2023-09-19 23:33:56.131	HC Songkhon (Kalum)	William	Daniel	Male	N/A	N/A	PCR	Inconclusive	N/A
13	2024-12-17 00:00:00.0	2023-09-19 21:57:55.01	UV Pek	Steven	Chavez	Male	Yes	N/A	PCR	Inconclusive	N/A
14	2024-12-17 00:00:00.0	2023-09-20 01:38:17.884	1601 DC Pakxe	Jenna	Woods	Female	Yes	Yes	PCR	Inconclusive	Recovered
15	2024-12-17 00:00:00.0	2023-09-20 15:58:33.454	HC Neunsavang (Pakneun)	Alexandra	Jones	Female	Yes	No	PCR	Positive	Death
16	2024-12-16 00:00:00.0	2023-09-20 00:03:08.942	HC Samcheh 2	Wyatt	Sawyer	Male	Yes	Yes	PCR	Positive	Recovered
17	2024-12-16 00:00:00.0	2023-09-19 23:34:54.674	HC Homkong	Jacob	Barnes	Male	N/A	N/A	PCR	Inconclusive	N/A
18	2024-12-16 00:00:00.0	2023-09-20 00:18:02.801	1102 DH Thaphabat	Caitlin	Rivas	Female	Yes	No	PCR	Positive	Recovered
19	2024-12-16 00:00:00.0	2023-09-19 21:24:27.874	HC Khanat	Tara	Little	Female	No	No	PCR	Positive	Recovered

What can we take away from this table?

We can clearly see that the data from each stage is being shown based on the data items that have been selected, but we must keep in mind that data from *Stage 3 - lab results* will be the most recent event data only. Applied more generally, any program stage for any other programs within an implementation using repeated stages will have this constraint when creating an enrollment type report.

If you are dealing with programs that do not have any repeatable events, then you will not need to worry about what the most recent event is when reviewing your information (as each program stage will only have 1 event).

Also, note the date. Each of these events that we have selected data from has different dates, but they are not displayed here. Instead we see the date of registration as well as the incident date (date of symptoms onset). These are the dates that are collecting during the registration/enrollment process; whereas reports with "event" as their output will display the dates of the particular event within a stage. We are not able to show these event type reports together as a summary using data from different stages however as we are able to when we run an enrollment type report.