PARTICIPANT'S GUIDE

Welcome to the **Data Analysis in DHIS2** course, part of the DHIS2 Fundamentals courses program. In the Introduction to DHIS2 course, you gained an overview of DHIS2 and how it can be used to handle large amounts of data from various sources and formats, generate visualizations, and make informed decisions. In this course, we will explain how to use DHIS2 tools to create data visualizations to analyze aggregate data, and how to share visualizations with other users to foster discussions and decision-making.

What will I learn?

After completing this course, you'll be able to:

- Select a visualization from the Data Visualizer app

- Identify the steps to create and edit a pivot table

- Identify the steps to create and edit a chart

- Identify the steps to create and edit a map

- Identify the steps to create and edit a dashboard

- Add descriptions and interpretations to outputs (pivot tables, charts, maps) for data analysis and sharing

- Use dashboards to read, analyze and share information

What are the course prerequisites?

You need to complete the Introduction to DHIS2 course before starting this course.

How will I learn?

In each module, you will find the content presented in text or videos of approximately 5-7 minutes in length, followed by step-by-step activities and ungraded knowledge check questions, where you will be able to interact with a training DHIS2 system and explore the platform. At the end of Modules 2, 3, 4, and 5 you will find mandatory graded quizzes composed by a random selection of questions from the knowledge check questions you have previously seen in the module and some new questions. Modules 2, 3, 4 and 5 also contain assessment labs where you will be asked to perform tasks in the DHIS2 training instance. You can get more information about these labs in the introduction of those

modules. To earn the course certificate, you'll need to pass the module quizzes and assessment labs.

You can watch the videos at your leisure or download them to watch later. You can also use the speed button to control the pace of the videos or the transcripts provided if you need them.

Course structure

Data Analysis in DHIS2 is comprised of 6 modules:

- **Module 1:** Key concepts of data analysis in DHIS2 (20 min)

- **Module 2**: Using pivot tables for data analysis (2 hr)

- **Module 3**: Analyzing charts to make informed decisions (1 hr 30 min)

- **Module 4**: Creating and analyzing maps (1 hr 30 min)

- **Module 5**: Using and sharing dashboards (60 min)

- **Module 6**: Next steps (15 min)

Module 0 – Start here (30 min)

- Pre-course Survey
- About the course
- Using the Online Academy platform
- Introductions

Module 1 - Key concepts of data analysis in DHIS2 (20 min)

- Overview of the module
- Introduction to Data Analysis in DHIS2
- Create your account in Trainingland

Module 2 – Using pivot tables for data analysis (2 hr)

- Overview of the module
- Orientation to pivot tables: Data dimension and period dimension
- Creating a pivot table
- Module quiz
- Module lab
- Module summary
- Feedback Survey

Module 3 – Analyzing charts to make informed decisions (1 hr 30 min)

- Overview of the module
- Orientation to charts
- Creating a chart
- Module quiz
- Module lab
- Module summary
- Feedback Survey

Module 4 – Creating and analyzing maps (1 hr 30 min)

- Overview of the module
- Orientation to Maps
- Creating a Map: Basemaps and Boundary layers
- Module quiz
- Module lab
- Module summary
- Feedback Survey

Module 5 – Using and sharing dashboards (60 min)

- Overview of the module
- Orientation to dashboards
- Creating and sharing a dashboard
- Module quiz
- Module lab
- Module summary
- Feedback Survey

Module 6 – What's next? (10 min)

- Next steps
- End-of-course Survey

How long will it take to complete the course?

We estimate the course will take approximately 6 hours to complete. This includes the review of all videos, readings, and completing all graded assignments. As this is a self-paced course, note that this may vary slightly for each learner.

How do I pass the course?

The course consists of 2 types of assessments that contribute to your final grade:

- **Quizzes**: at the end of each module, you will find quizzes composed of multiple-choice, multiple response, and/or true or false questions that will assess your comprehension of the main concepts behind DHIS2. You will have between 1 and 3 attempts to answer each question correctly, and you will need an overall 80% score

or higher to pass the quizzes. You will find the number of attempts permitted by question next to the Submit button. The quizzes contribute to 40% of your final grade.

- **Assessment labs**: in Modules 2, 3, 4 and 5 you will be asked to perform specific tasks in a DHIS2 training instance. After completing those tasks, you will have to answer multiple-choice questions to assess your comprehension of the exercise. These assessment labs contribute to 60% of your final grade.

To pass the course, an overall grade of 80% is required.

Academy Certification

Upon completion of the course with a passing grade, your certificate will be available to view and download on the **Dashboard**, **Profile**, and the course **Progress** tab.

In order to download your certificate, open the certificate page, and use the Print command of your browser (Ctrl+p for Windows users) and print it to PDF as an electronic document.

What is the course timeline?

This course is self-paced, which means there are no set deadlines, and you can go through it as fast or as slow as you prefer. This course does not currently have a set end date. In the event that an end date is scheduled, you will be notified with enough time to finish your work in the course.

Practical information

System Requirements

To access the course, you will need a device with an internet connection. You will also need speakers or headphones since all of the videos are narrated. We recommend the use of either Firefox or Chrome web browser. We do not recommend Internet Explorer.

How do I get support?

For technical support, you can contact the course moderators for help by email at **fundamentals-support@dhis2.org**. For a quicker response, please don't forget to indicate your username or the email address you used to register on the platform.

If you have general questions about the course, such as assignments, videos, activities, or quizzes, please use the discussion forums for getting help. To publish a question on the discussion board, select the Discussion tab and then "Add a Post". This board will be monitored by the course instructors and other participants may also be able to assist in your query.