DHIS2 for Health Program Monitoring Training Course

Professional Development Training Course Outline

Category	Monitoring and Evaluation	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

DHIS2 for Health Program Monitoring Training Course equips health professionals, data managers, and program implementers with advanced skills to leverage DHIS2 the leading digital health information system for effective health program monitoring, data-driven decision-making, and impact evaluation. Participants will gain hands-on experience in data collection, integration, visualization, and analysis, enabling them to transform raw health data into actionable insights. The course emphasizes real-world applications, health system strengthening, and evidence-based management, ensuring participants can optimize program performance and enhance community health outcomes.

Through this training, learners will explore health information architecture, routine health data management, and advanced analytics within DHIS2, while integrating key performance indicators (KPIs), dashboard design, and reporting frameworks. The program incorporates case studies, practical exercises, and interactive workshops to reinforce skills in data quality assurance, geospatial mapping, indicator tracking, and program evaluation. By the end of the course, participants will be fully equipped to implement digital health solutions, monitor health interventions, and support policy formulation using reliable and timely DHIS2 data.

Programme Curriculum

DHIS2 for Health Program Monitoring Training Course

Introduction

DHIS2 for Health Program Monitoring Training Course equips health professionals, data managers, and program implementers with advanced skills to leverage DHIS2 the leading digital health information system for effective health program monitoring, data-driven decision-making, and impact evaluation. Participants will gain

hands-on experience in data collection, integration, visualization, and analysis, enabling them to transform raw health data into actionable insights. The course emphasizes real-world applications, health system strengthening, and evidence-based management, ensuring participants can optimize program performance and enhance community health outcomes.

Through this training, learners will explore health information architecture, routine health data management, and advanced analytics within DHIS2, while integrating key performance indicators (KPIs), dashboard design, and reporting frameworks. The program incorporates case studies, practical exercises, and interactive workshops to reinforce skills in data quality assurance, geospatial mapping, indicator tracking, and program evaluation. By the end of the course, participants will be fully equipped to implement digital health solutions, monitor health interventions, and support policy formulation using reliable and timely DHIS2 data.

Course Duration

10 days

Course Objectives

1. Understand the DHIS2 platform architecture and its application in health program monitoring.
2. Master data collection tools, including mobile and web-based DHIS2 applications.
3. Apply data validation techniques to ensure accuracy, completeness, and consistency.
4. Design and customize DHIS2 dashboards for real-time monitoring of health indicators.
5. Develop program-specific indicators aligned with national and global health targets.
6. Analyze routine health data for trend identification and performance evaluation.
7. Utilize geospatial mapping and GIS integration for health service planning.
8. Conduct data quality audits and implement continuous improvement strategies.
9. Apply predictive analytics to anticipate health program outcomes.
10. Implement reporting frameworks for stakeholder engagement and accountability.
11. Integrate DHIS2 with other health information systems for interoperable solutions.
12. Use case studies to solve real-world program monitoring challenges.
13. Strengthen decision-making capacity through evidence-based insights and data visualization.

Target Audience

1. Health program managers and coordinators
2. Public health professionals
3. M&E (Monitoring & Evaluation) officers
4. Data analysts and statisticians
5. Health information officers
6. Policy makers and government health officials
7. NGO and international health program staff
8. Academic researchers in health systems and epidemiology

Course Modules

Module 1: Introduction to DHIS2

- Overview of DHIS2 platform
- Key features and modules
- User roles and permissions
- System navigation and interface

- Case Study: DHIS2 implementation in a national immunization program

Module 2: Health Data Collection and Entry

- Data capture using web and mobile apps
- Data submission protocols
- Standard operating procedures for health data
- Handling missing or inconsistent data
- Case Study: Mobile data collection in rural maternal health programs

Module 3: Data Quality Assurance

- Validation rules and checks
- Data cleaning and correction
- Consistency and completeness assessment
- Identifying anomalies and outliers
- Case Study: Data quality improvement in HIV treatment monitoring

Module 4: DHIS2 Analytics and Reporting

- Creating pivot tables and charts
- Generating automated reports
- Real-time data dashboards
- Exporting and sharing reports
- Case Study: Dashboard design for malaria surveillance

Module 5: Indicator Development and Management

- Defining program-specific KPIs
- Standard indicators vs. custom indicators
- Indicator metadata management
- Linking indicators to program objectives
- Case Study: KPI tracking in maternal and child health programs

Module 6: Routine Health Data Analysis

- Trend analysis techniques
- Cohort and disaggregated analysis
- Benchmarking and comparison
- Data visualization best practices
- Case Study: Tracking immunization coverage trends

Module 7: Geospatial Mapping in DHIS2

- Mapping health facilities and services
- GIS layer integration
- Spatial analysis for service delivery gaps
- Visualization of geographic trends
- Case Study: Mapping malaria hotspots

Module 8: Program Monitoring Frameworks

- Establishing logic models and frameworks

- Linking inputs, outputs, outcomes, and impact
- Monitoring frequency and targets
- Integrating frameworks into DHIS2
- Case Study: Monitoring national TB program implementation

Module 9: Data Integration and Interoperability

- Linking DHIS2 with EMRs and other HIS
- Data exchange standards
- Synchronization and automation
- Data consolidation for national reporting
- Case Study: Integrated HIV and maternal health reporting

Module 10: Predictive Analytics and Modeling

- Forecasting techniques in DHIS2
- Trend extrapolation and scenario modeling
- Early warning systems
- Risk-based program decision-making
- Case Study: Predicting cholera outbreak patterns

Module 11: Data Visualization and Dashboards

- Advanced dashboard configuration
- Using visual analytics tools
- Custom reporting templates
- Interactive charts and maps
- Case Study: Dashboard for COVID-19 vaccination progress

Module 12: Reporting for Stakeholders

- Generating donor and government reports
- Customizing reports for target audiences
- Frequency and scheduling of reports
- Using DHIS2 analytics apps for reporting
- Case Study: Donor reporting in a maternal nutrition program

Module 13: DHIS2 Governance and Compliance

- User access control and security
- Ethical data management
- Privacy and confidentiality standards
- Audit trails and compliance tracking
- Case Study: Data governance in a national health surveillance system

Module 14: Troubleshooting and System Maintenance

- Common DHIS2 errors and solutions
- System backup and recovery
- Performance optimization
- User support and training
- Case Study: Resolving data sync challenges in decentralized clinics

Module 15: Capstone Project and Practical Application

- Hands-on DHIS2 project work
- Integration of learned skills
- Real-world scenario problem solving
- Peer review and feedback sessions
- Case Study: Comprehensive health program monitoring plan

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com