

# Development Synergies International (DSI):

Enhanced IT Capabilities & Expertise in Pakistan

## WHO WE ARE

Development Synergies International (DSI) is a premier consulting firm specializing in digital health innovations, artificial intelligence, machine learning, and technology-driven health system strengthening. Since July 2009, DSI has successfully connected health systems and supply chain technologies to ensure pandemic preparedness and global health security.

## KEY ACHIEVEMENTS

### Digital Health Systems & Platforms

- Developed and optimized Ministry of Health's digital dashboards for real-time monitoring and decision-making.
- Integrated API-based data exchange for seamless interoperability across national health platforms.
- Established a Data Center at the National Institute of Health (NIH) for improved public health data management.
- Created the COVID-19 Management Information System (COVID-MIS), utilized by Pakistan's National Command and Operation Center (NCOC) and the Federal Directorate of Immunization (FDI) for pandemic response.
- Developed Travelers Surveillance Management Information System and online PPE forecasting calculator.
- Developed the Infectious Disease Management Information System (IDMIS) for NIH and CMU, enabling syndromic, laboratory, and community disease surveillance.
- Implemented DHIS-2 Enhancements & Hosting to improve health data collection and analysis.
- Strengthened Medicines LMIS in KP in collaboration with Impetus Advisory and DOH KP for better pharmaceutical supply chain management.
- Developed Pakistan's Central Application Tracking Dashboard under the Ministry of National Health Services, Regulations & Coordination (M/o NHSR&C), integrating DRAP and PMDC application databases.
- Designed and piloted integrated digital platforms for infectious disease surveillance across multiple districts.
- Developed and deployed the Vaccine Logistics Management Information System (VLMIS) for the Federal Directorate of Immunization (FDI) to enhance vaccine tracking and distribution.
- Led the expansion of the Contraceptive Logistics Management Information System (CLMIS) into Electronic Client Record (ECR) systems, now being upscaled in Sindh and Balochistan.
- Implemented inventory and asset management systems for supply chain optimization in KP.
- Digitized health financing and real-time health data reporting systems to improve decision-making.

## CYBERSECURITY & DATA PROTECTION

- Digitized 4.1 million DRAP records and Import/Export licensing System.

## SMART LOGISTICS & DISEASE SURVEILLANCE INFRASTRUCTURE

- Strengthened cold chain logistics through real-time monitoring systems for vaccine and contraceptive distribution.
- Deployed four mobile Biosafety Level-2 laboratories for real-time disease surveillance and diagnostics.
- Deployed 35 refrigerated trucks for the efficient and safe transport of medical commodities.

## CAPACITY BUILDING & TRAINING IN DIGITAL HEALTH

- Trained 350+ health staff on Contraceptive and Vaccine LMIS at national and provincial levels.
- Trained 120+ district health officials on ECR system functionality to improve client data tracking and service utilization in Sindh.
- Trained 72 government staff on Inventory and Lab Modules for infectious diseases in KP.
- Trained 200+ district and facility staff on KP Inventory & Asset Management Systems in Charsadda, Lakki Marwat, and Swat.
- Trained 23 participants from 18 districts on D-Talk and Insulin for Life Program MIS.

## OUR COMMITMENT

- Expanding digital integration for real-time health data tracking and enhanced interoperability across national health systems.
- Enhancing IT capacity-building programs to strengthen workforce expertise in health data analytics, cybersecurity, and digital health governance.
- Strengthening government-led digital health initiatives by enabling data-driven decision-making and improving communication between policymakers and healthcare stakeholders.
- Promoting sustainable digital health solutions through AI-driven analytics, predictive modeling, and cloud-based health information systems.
- Leveraging AI and machine learning for real-time disease surveillance, health resource allocation, and automated decision support systems.