



## Zimbabwe's Supply Chain Solution for Healthcare Facilities

### Highlights

**S&T Innovation:** Automated inventory for 1,600 public health facilities.

**Sector:** Health

**Development Challenge:** HIV/AIDS prevention; family planning

**Location:** Zimbabwe; nationwide

**Potential for Replication:** Nigeria is implementing a similar system

**Implementing Partners:** John Snow International

**Host Country Counterpart:** Zimbabwe National Family Planning Council

**Private Sector Partners:** Local software development company

For the past decade, the USAID Deliver program in Zimbabwe has continuously improved its ability to keep medical supplies for family planning and HIV/AIDS prevention in stock

Piloted in 2003, Deliver began developing a supply chain management tool, the Delivery Team Topping Up (DTTU) system, a Grand Prize winner in USAID's 2013 Science and Technology Pioneers Prize contest. Offered by the USAID Office of Science and Technology for the first time ever, the Pioneer Prize honors the best USAID projects and activities that are successfully applying science and technology to solve development challenges.

DTTU uses custom designed software to prevent stockouts and manage health supplies. The program began by tracking condoms and contraceptives on an Excel spreadsheet. Now, 10 years later, with a custom designed software program, the management tool tracks and monitors 17 types of health

products, including HIV and syphilis rapid test kits, nevirapine for the prevention of mother to child HIV transmission, antiretroviral therapy drugs, and items required for early HIV diagnosis in infants.

Despite operating in a challenging environment, DTTU has been a well-performing supply chain system, achieving 99% coverage of the 1,600 public health facilities across the country, along with high delivery rates and negligible stockouts, even during the crisis years of Zimbabwe's hyperinflation (2007 and 2008).

Medical staff members no longer need to place orders as their stocks are automatically predicted, based on their historic usage, which is validated and updated with every quarterly delivery.

"The DTTU has really come to our rescue," says Evelyn Chipu Nhawu of the Christonbank Clinic in the village of Mazowe. "We never run out of stock. I don't have to order and I can spend more time attending to my clients."