Data Management Experience from Brazil

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Introduction

- Bachelor in Information Systems
- Information systems administration specialist
- Data Management Training at Vanderbilt University
- Works at Brazil Ministry of Health
- Data manager in Evandro Chagas National Institute of Infectology – FIOCRUZ
- CIO at Brazilian Institute of Nutrology - IBRANUTRO
Dolutegravir and pregnancy outcomes among women on ART in Brazil

• The study:
  Dolutegravir (DTG) has been widely available in Brazil since 2017. Public health leaders initiated a national investigation of birth outcomes among women with DTG exposure immediately following the May 2018 announcement of a higher risk of neural tube defects (NTD) in infants with DTG exposure at conception.
Dolutegravir and pregnancy outcomes among women on ART in Brazil

- 9 forms
- 991 fields
- 3482 records
- 88 research assistant
- 26 states and federal district
Dolutegravir and pregnancy outcomes among women on ART in Brazil

• **Main Challenges in data management:**
  • Daily data sync using offline data collection
  • REDCap mobile app freezing during the upload process
  • Manage users and passwords
  • Data collection device management
Dolutegravir and pregnancy outcomes among women on ART in Brazil

• **Lessons learned**
  • Create daily data submission tracking plan
  • Make data collection devices (tablets and phones) available in addition to the quantity needed to start the study.
  • Decentralize user and permission management, giving access to field supervisors
  • Define data quality rules before starting data collection.
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Implementation Study of Long-Acting Injectable Cabotegravir (CAB-LA) for HIV Pre-Exposure Prophylaxis

- 5 Arms
- 36 forms
- 3 surveys
- 3546 Fields
- 28 events
- 6 health unit
Implementation Study of Long-Acting Injectable Cabotegravir (CAB-LA) for HIV Pre-Exposure Prophylaxis

- **Best practices implemented:**
- Create alert rules for every new record included and every event of interest, for example a positive HIV test result.
Implementation Study of Long-Acting Injectable Cabotegravir (CAB-LA) for HIV Pre-Exposure Prophylaxis

• Best practices implemented:
  • Use calculated fields to define if the form or part of it is completed.
Implementation Study of Long-Acting Injectable Cabotegravir (CAB-LA) for HIV Pre-Exposure Prophylaxis

- **Best practices implemented:**
  - Create a dashboard integrated with REDCap API to track in real time all the data that are been saved into REDCap
Total de incluídos na Etapa 1 (6 centros)

Número total: 466

Dados demográficos da Etapa 1 - Idade (6 centros)

- 60.4% na faixa de idade (18-20)
- 11.6% na faixa de idade (21-24)
- 28.0% na faixa de idade (25-30)
Implementation Study of Long-Acting Injectable Cabotegravir (CAB-LA) for HIV Pre-Exposure Prophylaxis

- **Best practices implemented:**
  - Integration between REDCap API and Whatsapp using Twilio to send reminders.
Thank you!

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