



Launch of the EAPOC-VL study

Data management and statistical analysis (WP4)
(Deliverables, milestones and procedures)

14th April 2021



EAPOC- VL is part of the EDCTP2 programme supported by European Union under grant agreement *RIA2019IR-2873*



Background

- This work package will be implemented in support of work packages 1-3
 - To ensure that research questions are adequately answered
 - Development of robust data management systems and employment of appropriate statistical and qualitative data analysis methods



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Objectives

- Develop data management and statistical analysis plans to guide data related activities for the implementation of the **“Use of Point of Care HIV Viral Load Monitoring to improve Viral Load Suppression among Children and Adolescents Living with HIV in East Africa”** Protocol
- Specific objectives:
 - Design and implement a comprehensive and uniform data management plan across sites
 - Develop the data management system across sites
 - Develop a statistical data analysis plan to guide synthesis of generated data
 - Develop training guides to ensure effective acquisition and use of the generated data





Gant chart for WP4 activities

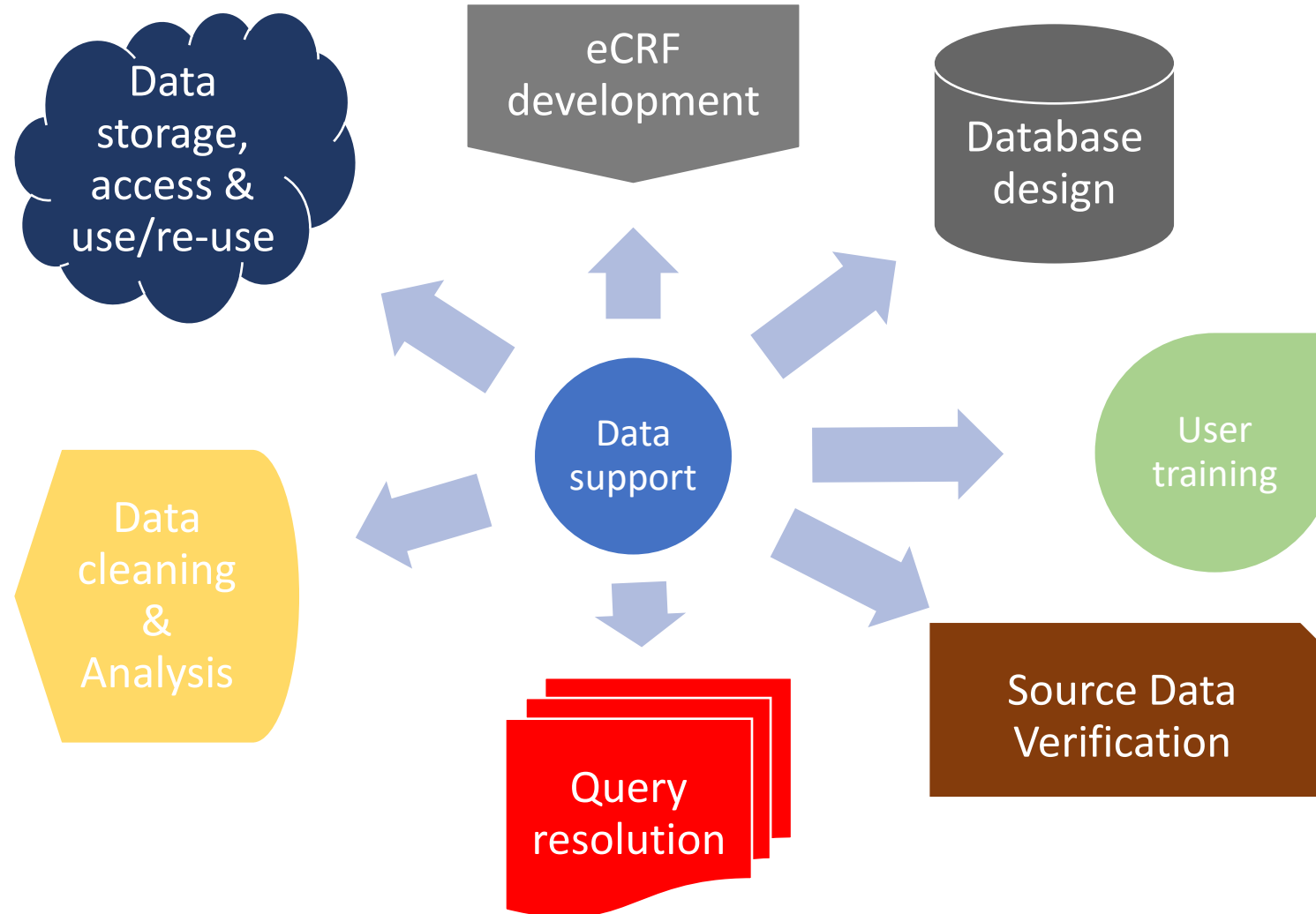
Data management and analysis WP4

	Year 1				Year 2				Year 3				Year 4			
Activity	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Develop a comprehensive data management and analytical plan	■	■														
Develop electronic data collection platform		■	■	■												
Develop training and refresher modules on collection and management			■	■												
Data collection and management					■	■	■	■	■	■	■	■	■			
Data analysis and report writing								■	■	■	■	■	■	■	■	
Data sharing and archiving														■	■	■



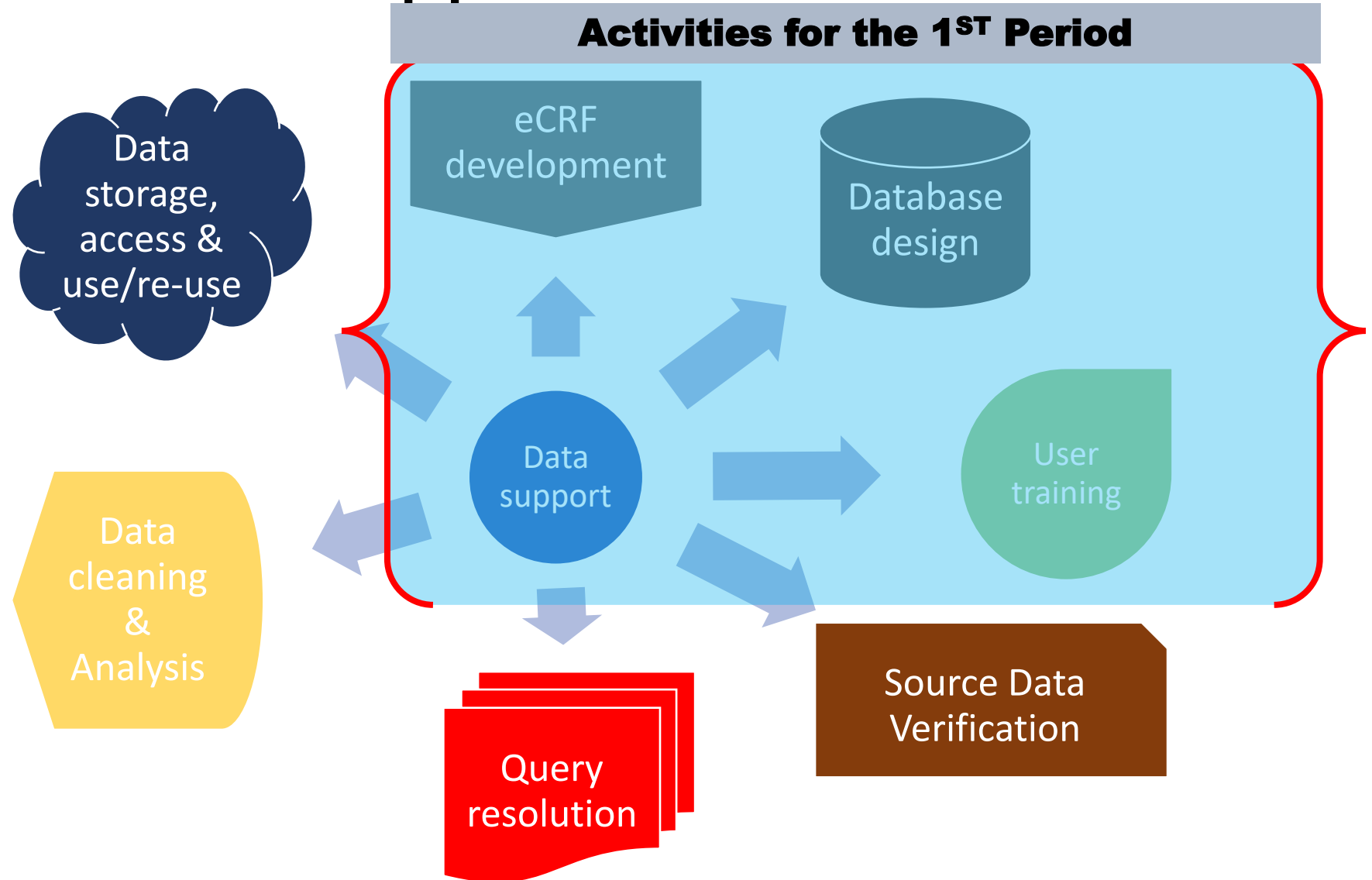


WP4 support activities





WP4 support activities





Managing study data

- KEMRI has huge experience using electronic data collection systems provided by study sponsors as well as in-house systems for data collection using localized systems on handheld devices and desktops or web applications





Managing study data

- We propose to develop web based data collection systems in collaboration with various WP's
 - Deploy data collection tools to individual sites (Tablet based)
 - Data pushed/synchronized to central server (KEMRI-CGHR), devoid of personal identifiers
 - Data backed up locally (at each site)



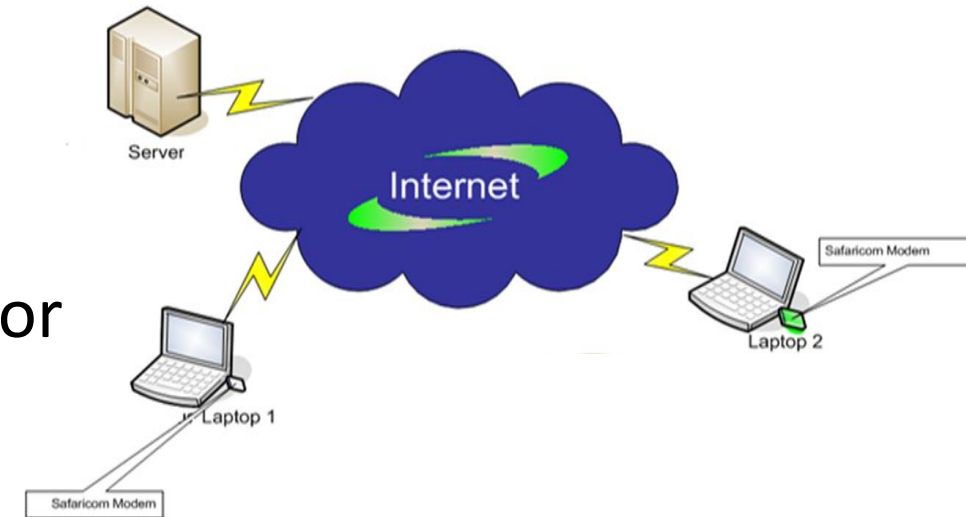
USSD Code





Managing study data

- Develop data cleaning procedures, where data queries sent to partner sites for resolution on a routine basis
- Sample size monitoring
- Development of live reporting dashboards for PIs
- Data analysis and report writing
- Data sharing and archiving





Ahsante!
Erokamano!
Webale!
Thank you!
Dank u!

