Detailed Specifications

Data Quality: Missing Data

HIBB TITLE: *Data Quality: Missing Data*

ABSTRACT: This module describes how missing data can be managed while maintaining data quality. It explains how to plan for missing data; defines different types of "missingness;" outlines the benefits of documenting missing data and illustrates how to document missing data; and describes procedures to minimize missing data.

LEARNING OBJECTIVES: Upon completion of this module, students will be able to explain why data managers should strive to minimize missing data and develop a plan to record or code why data are missing.

KEYWORDS: data analysis; data coding; data collection; data management; data quality; data set; research; missingness *(Keywords selected by HIBBs staff and listed in alphabetical order)*

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LANGUAGE: English

CONTENT SUBMITTED BY: REACH-Informatics

AUTHOR(S): Beverly Musick, MS; REACH-Informatics

DATE CONTENT CREATED: May 2010

DATE HIBB CREATED: August 30, 2010

VERSION NUMBER OF HIBB: Version 1.0

DATE HIBB VERSION 1.0 REVISED: Not applicable

FINANCIAL SUPPORT PROVIDED BY: National Institutes of Health, Fogarty International Center; Rockefeller Foundation

TARGET AUDIENCE: Health care data managers, collectors and analysts

AVAILABLE FORMAT(S)/SIZE OF FILES: Microsoft PowerPoint 97-2003, 283 KB, 8 slides; audio only, MP3, 12.6 MB; slides with video, MP4, 29.4 MB, 16:51 minutes; smart phone, MP4, 26.8 MB, 16:51 minutes.

TECHNOLOGICAL REQUIREMENTS FOR USERS: MP3 Player application; Smart phone; QuikTime, DivX, VLC; Microsoft PowerPoint 97-2003

DURATION OF THE MODULE: Video, audio and mobile phone files: 17 minutes each

LEVEL OF CONTENT: Intermediate

PREREQUISITE KNOWLEDGE: Basic understanding of data management and electronic health records

LINKS TO RELATED HIBBs MODULES: *Ethics and Integrity in Data Use and Management*

SELF-ASSESSMENT: Not available

USE OF HIBB IN TRAINING: Module used in 2-week training delivered by Regional East African Center for Health Informatics (REACH-Informatics) in Eldoret, Kenya, in May 2010. The Regional East African Centre of Health Informatics (REACH-Informatics) in Eldoret was established in 2009 with the aim of providing East Africans with short courses and practicum training to support the development, implementation, maintenance, evolution and use of EHRs.

FEEDBACK ON USE: Not applicable

ADAPTATION OF HIBB: Not applicable

AUXILIARY MATERIALS: Not available