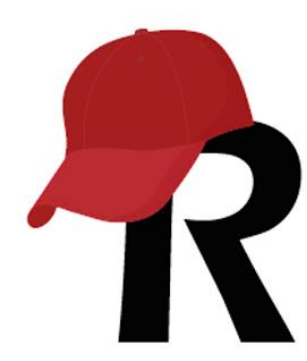




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REDCap Data Standardisation



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INTRODUCTION

REDCap (Research Electronic Data Capture) is a browser based, data driven software solution for designing and building clinical and research databases. As the web based interface is intuitive and easy-to use, the data entry forms can be designed and deployed quickly. SingHealth REDCap Administrator's workgroup has embarked on the data standardisation efforts to harmonize data specifications across a core set of data fields for SingHealth, which can be used across studies to facilitate data analytics.

OBJECTIVES

The primary objective of data standardisation is to avoid collecting redundant data and to focus on collecting only data that will be used for analysis and answer research questions.

METHOD

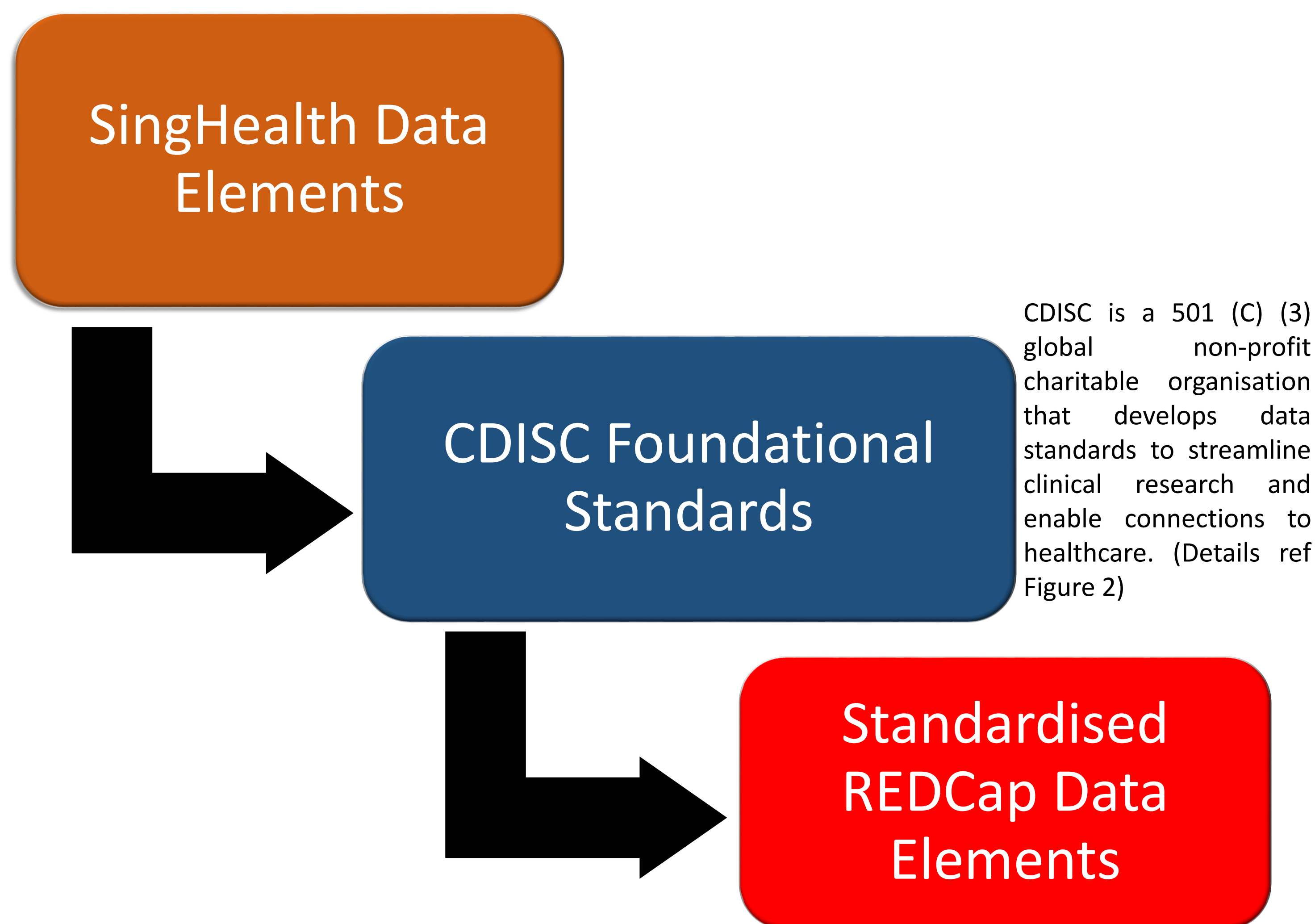


Fig.1.

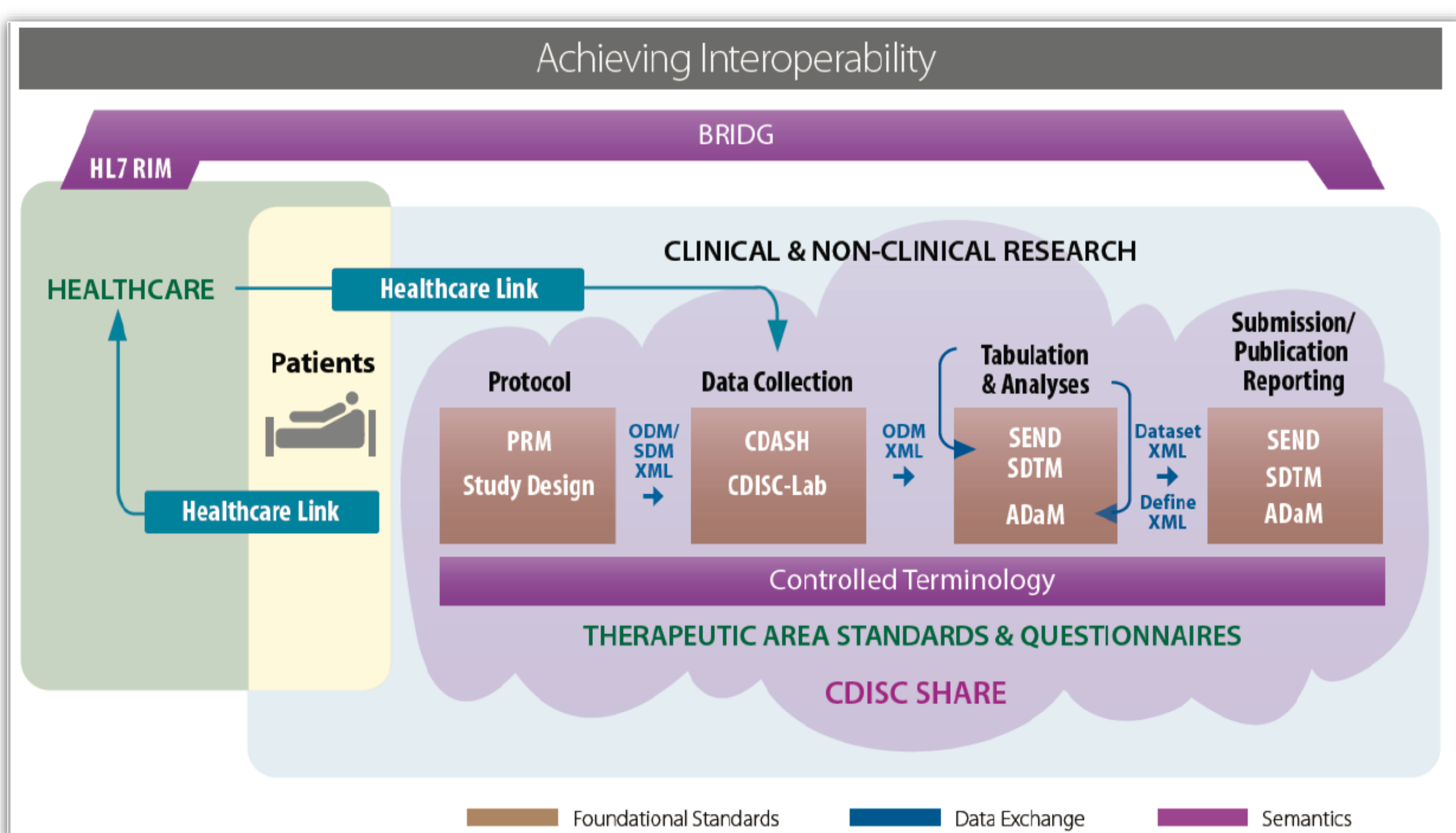


Fig.2.

RESULTS

SingHealth Question Text	CDASH Variable ^[1]	Definition	Completion Instructions	Remarks
What is the vital sign test name ?	VSTEST	Verbatim name of the test or examination used to obtain the measurement or finding.	Record the name of the vital sign test	Highly recommended data field
What was the result of the measurement?	VSORRES	Result of the vital signs measurement as originally received or collected	Record vital sign results.	Highly recommended data field
what date were the measurements performed?	VSDAT	Date of measurements	Record date of measurements	Recommended / Conditional data field

Fig.3.

The screenshot shows a REDCap form titled "Vital Signs". It includes the REDCap logo and the following input fields: "Record ID", "What is the vital sign test name ?", "What was the result of the measurement ?", and "On what dates the measurements were performed ?".

Fig.4.

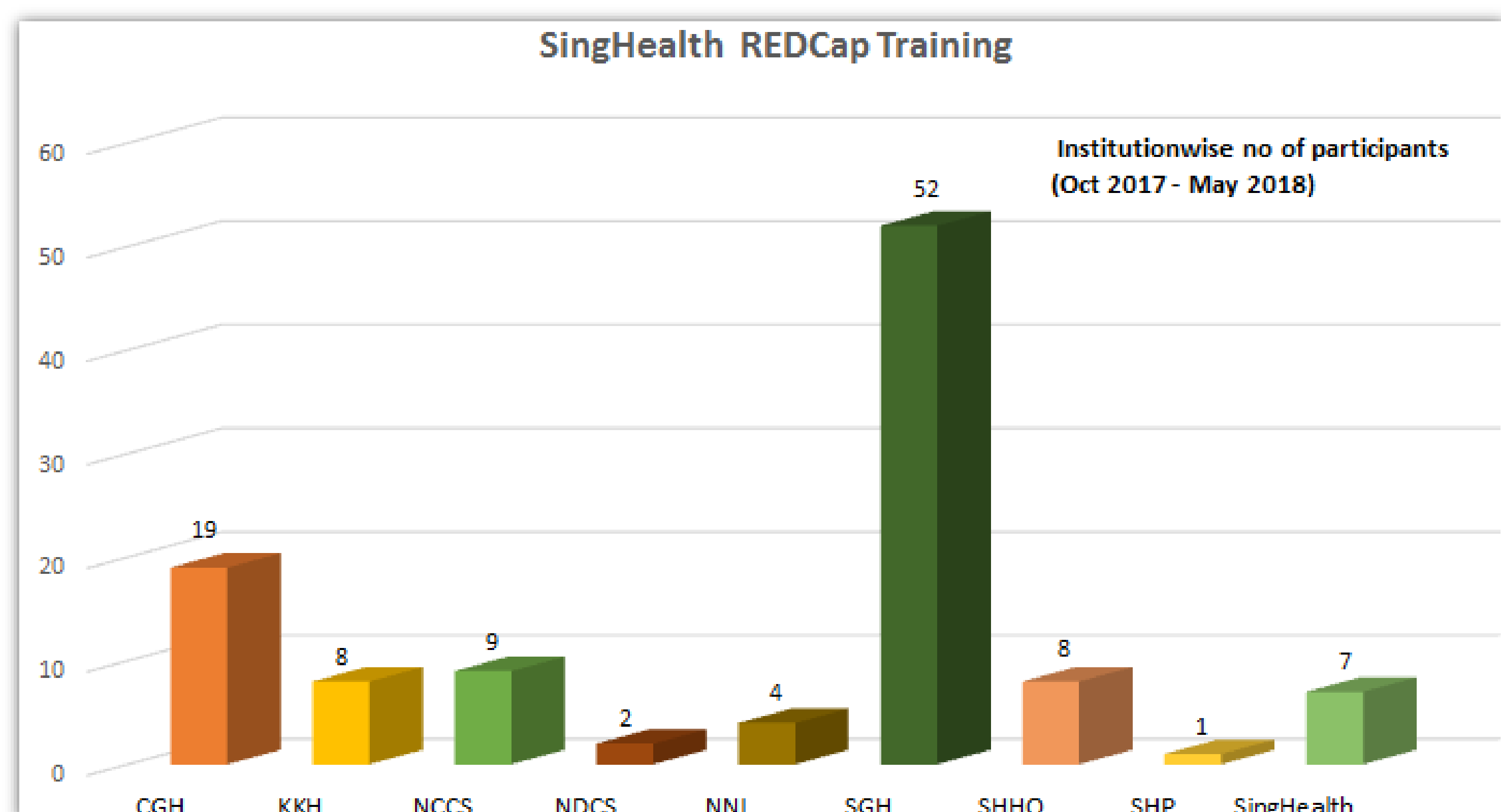


Fig.5.

CONCLUSION

REDCap data standardisation initiative establishes a standard way to collect data in a similar way across studies so that data collection formats and structures provide clear traceability. Due to the cost and time associated with collecting data, ensuring data integrity and data accuracy will always be of paramount importance for quality studies.