

RESEARCH DATA MANAGEMENT WORKSHOP

EVALUATION FEEDBACK

Date: 24th to 28th June 2019

Venue: KWTRP, Kilifi

INTRODUCTION

Good research data management practice allows reliable verification of results and permits new and innovative research built on existing information. It is therefore important for researchers and information professionals to acquire the data management and curation knowledge and skills that support the long-term preservation, access, and reuse of data in an ethical manner. In collaboration with the Tackling Infection to Benefit Africa (TIBA) network, IDeAL and KEMRI-Wellcome Trust Research Programme ran a five-day workshop on Research Data Management targeting researchers and doctoral students research assistants/ project data management staff from partner institution.

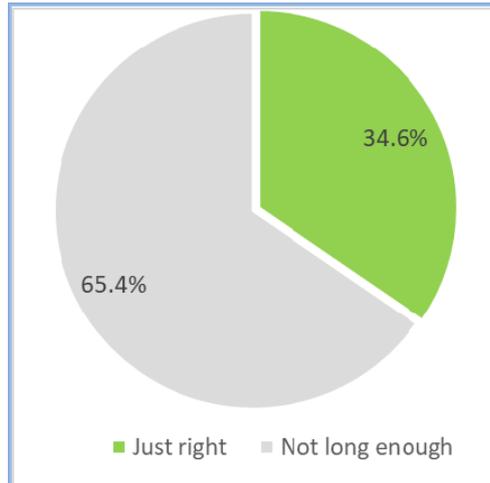
The areas covered during the workshop were:

- Introduction to Research Data Management
- Data Sharing Process and Ethics
- Understanding the RDM Cycle Clinical Trial Data Management
- Research Data Management Planning
- File Organization and Naming
- Documentation and Metadata
- Storage, Backup and Security
- Preservation, Curation and Archiving
- Research Data Management Tools and Resources
- Data Management with reference to statistical tools
- Data Management Plan

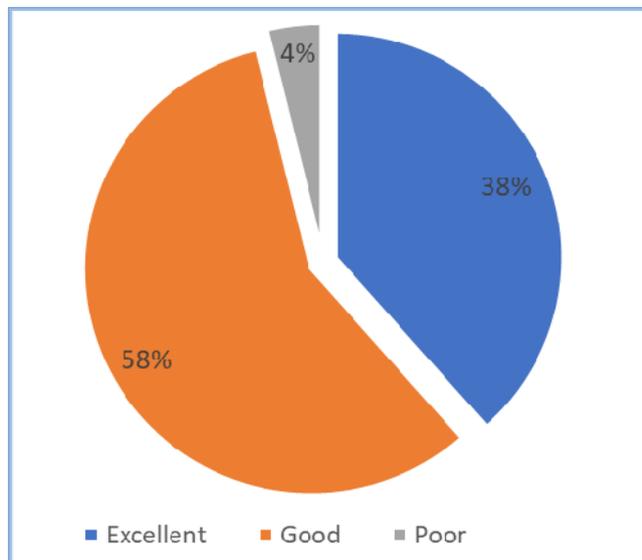
EVALUATION FINDINGS

At the end of the workshops, attendees were required to fill an online evaluation questionnaire comprising of 9 questions. All (26) participants took part in evaluation; 100% response rate. The responses were as follows:

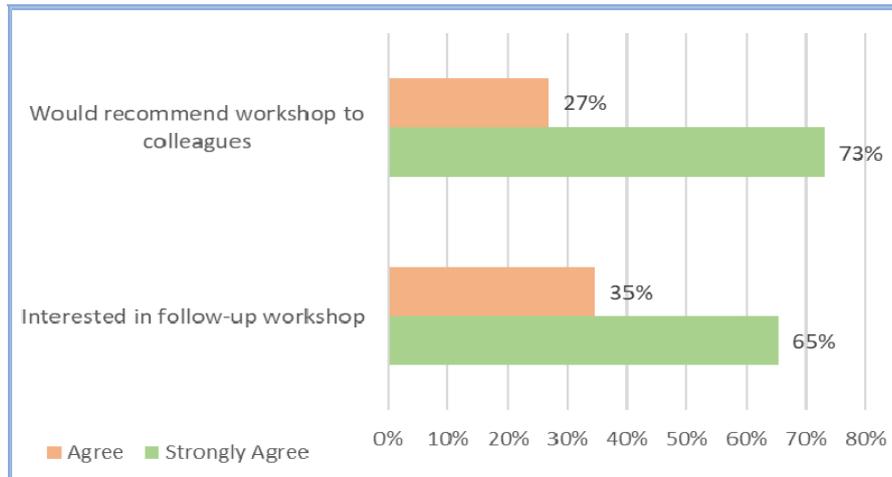
❖ Time allocated for the workshop was not long enough as indicated below:



❖ Overall coordination of the workshop was generally good as shown below:

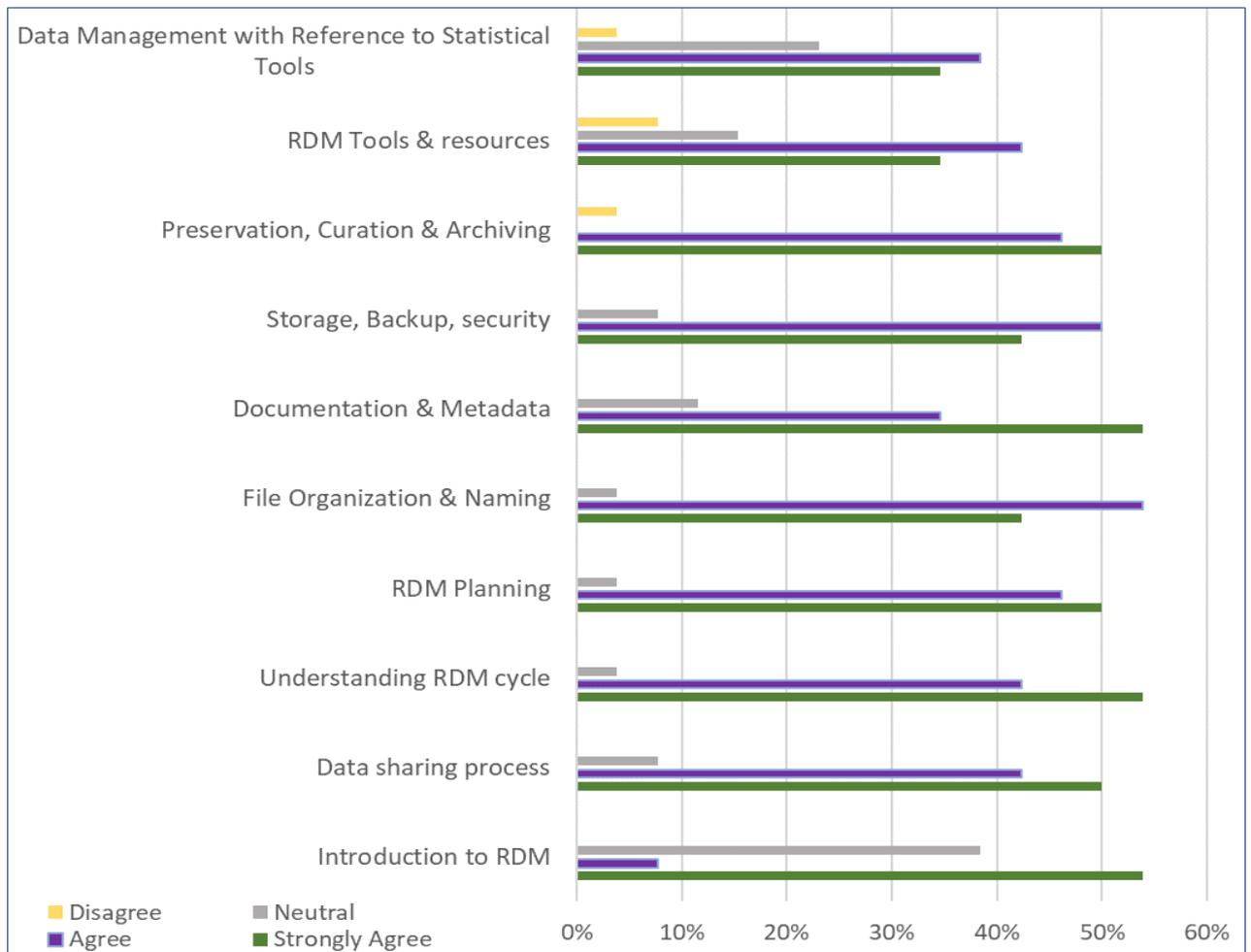


❖ The participants expressed interest in a follow-up workshop, as well as recommending it to work colleagues as shown below:



Session Specific Feedback

- ❖ For each session, participants were required to rate their level of agreement (i.e. the ease in understanding and following through):



- ❖ Moreover, the participants had to rate their level of confidence in applying the knowledge and skills learnt during the workshop, to their current job/study [1 = Am not confident, 5 = Am very confident to apply learnt skills/knowledge]. Responses were as tabulated:

Rating [1 = Am not confident, 5 = Am very confident]					
Topic	1	2	3	4	5
Data Sharing Process and Ethics	–	-	15%	42%	42%
The RDM Cycle Clinical Trial Data Management	–	4%	12%	42%	42%
Research Data Management Planning	–	-	12%	38%	50%
File Organization and Naming	–	-	23%	27%	50%
Documentation and Metadata	–	4%	15%	35%	46%
Storage, Back up and Security	4%	4%	12%	50%	31%
Preservation, Curation and Archiving	8%	–	19%	35%	38%
RDM Tools and Resources	4%	8%	31%	31%	27%
Data Management with reference to Statistical Tools	4%	–	27%	35%	35%

❖ **Which workshop topic did you enjoy the most and why?**

- ✓ Data Management with reference to statistical packages, Task integration using Pentaho
- ✓ Introduction to Data management plans because one of the main objectives I had were almost achieved in the same day when that presentation was made. Insightful and challenging talks in the presentation
- ✓ Enjoyed each session as I placed equal relevance to all
- ✓ The one that was facilitated by Sammy and Samson. They were both engaging and kept the participants within the circle of what they were presenting
- ✓ Session on data curation and preservation because it will be immediately applicable in my current work
- ✓ R, git. They are areas i work on in my day to day work
- ✓ R session
- ✓ Pentaho Data integration
- ✓ Statistical data Management tools
- ✓ Most topics
- ✓ Data ethics

- ✓ Research data management planning, it is very helpful and I understand it better.
- ✓ RDM Planning. the practicality of the session made it easier to understand and put in practice.
- ✓ Research Data Management and Statistical Tools. As it was a hands-on course
- ✓ Enjoyed the practical sessions the most, as I had the chance to be hands on and get to understand the theory better
- ✓ Research data management, it did shed more light on my understand on why it is important to have a separate data management plan when we develop a protocol
- ✓ RDM tools especially R and MySQL integration
- ✓ The R session, i clearly understood the R concepts which i previously had challenges with. e.g. getting data into R, and general data manipulation
- ✓ Day 1 and Day 2 were very interesting and interactive
- ✓ Data management with reference to statistical tools b/c I am the statistician engaged in data management by applying statistical software
- ✓ "Data Management plan and data management with reference to statistical tool
- ✓ I have learnt how to come up with the best data management plan regarding the studies that i will be handling. It is the best since you get involved in the project from the word go. It also entails details regarding quality assurance, data security, sharing and policies that govern the collection of data.
- ✓ On data management and statistical tool: i have learnt how one can interact with different statistical packages accessible in the institution. "
- ✓ Data Management Plan. Simply it gives me a wide range of time to share knowledge, ideas and experience of what others do into their workstations. Furthermore, I didn't know if is necessary for Data Manager to have a Data Management Plan for every project he/she runs.
- ✓ "I enjoyed Day 1 & 2 because it was very interactive enable us to learn from different organization setting compare with our inst.
- ✓ Data Curation
- ✓ Data backup

❖ **Which workshop topic did you enjoy the least and why?**

- ✓ Practicum, it was more of documentation rather than scripting
- ✓ The tools and presentations that entailed using the desktops. these were not working well and it was hard to cope up!
- ✓ Governance. I think it's because I haven't been involved in it. However, it was an important session
- ✓ Session on Data management tools, R, Pentaho, Redcap because limited time was allocated to the session
- ✓ Storage, Backup and Security, it was too complex
- ✓ RDM tools...session was too packed and technical resources were non-responsive
- ✓ Data management with reference to statistical tools- I started from zero in this subject and the time we had was very short. But the subject is very interesting as well as helpful in the research data management session.
- ✓ "Data Management with reference to Statistical Tools
- ✓ Challenges were faced in using the computers at the training center and there was another challenge in internet connectivity at the hotel making it harder to work from

there."

- ✓ File Naming. Difficulties experienced using command line programming
- ✓ There is no session I did not enjoy
- ✓ Data management with reference to statistical tool. I was not familiar with the coding system
- ✓ Documentation and Metadata was a bit complex
- ✓ RDM tools
- ✓ Navigating through pentagaho kettle interface. the time is no enough to capture basic concepts about it
- ✓ All were well delivered but the problem on the application installation to use for follow up and Practicals
- ✓ Day 4 & 5 the facilitator did not consider the background of the participants and he was over assuming that everyone was familiar with the pages yet most people where not familiar with the system and he was having high speed not giving room for asking questions (R)
- ✓ pentaho, system issues
- ✓ data backup
- ✓ This is my first workshop session to attend, and it went all well have enjoyed the interaction of the participants and the environment of KEMRI-Wellcome Trust.

❖ **To improve the workshop, what suggestions would you like to give the organizing/facilitating team?**

- ✓ Be system specific, for instance Practicals on backups and archiving
- ✓ More Practicals
- ✓ Increase the number of days
- ✓ Please share needed software to install on our laptops so that we don't waste time while here installing the same.
- ✓ Some sessions were a bit packed so it is advisable to start from the basic principles to bring all participants at par before going deeper
- ✓ I think 10 days for the workshop would be ok. This was a practical workshop but because the facilitators were racing against time, they had to quickly clear their workload.
- ✓ The sessions should be shorter, so that it's easier to learn, reduce the contents and the course should be at least 10days
- ✓ Increase the training duration to 2weeks so that Practicals can be done at low pace and in-depth
- ✓ The time to cover this course was too short and so that I suggest the facilitator to have longer time than this
- ✓ The training computers are too slow, procure fast stand-alone PC's /Laptops rather than thin clients.
- ✓ Have dedicated WiFi network for training which allows access to necessary KEMRI servers e.g. REDCAP for training purposes.
- ✓ Better operating machines that are not too slow
- ✓ Desktop machines should always be running with softwares to be used during the course.
- ✓ Software accessibility before starting the workshop
- ✓ Few improvements in time management, facilities such like internet connection for all areas where the participant they go around.

- ✓ Book a hotel that enables participants to work from there in the evening. specifically, one with internet connection and conference area/room to work in
- ✓ Give stipend/incidentals and add more time on the training days.
- ✓ Early release of all resources needed and links so participants can be well prepared. Technical facilities should be tested forehand
- ✓ Give case scenarios
- ✓ I think it is important to know our audience before we prepare for such kind of training, which cover a lot of subject matters. It would be good if we had all the materials before arrived for the training.
- ✓ More interaction time with the trainee
- ✓ Try to at least stick to the workplan, and consider teaching method since not all participants practice
- ✓ Flights to be booked early
- ✓ The organizing team should really work on the accommodation issues because this training gathers people from different background.
- ✓ The facilitator especially practical session should also prepare on time and make the available training material

❖ **Please outline any other comments, remarks, observations**

- ✓ I really hope to get more opportunities to learn research centered and oriented “hacks” to the most challenging fields in research. Thank you.
- ✓ More time for the workshop
- ✓ Hotel's Internet was not available in most rooms making it difficult for participants to practice what they are learning or clear other work during the evenings.
- ✓ Great learning opportunity, awesome organization and well-coordinated.
- ✓ It was good generally. Thank you to our presenters
- ✓ Thank you very much
- ✓ Within this short period of time the trainers tried to cover every topics in the workshop and they did a really amazing job. Well done guys and thank you for your dedication. It will be good if we have mechanism of communication with the trainers for further questions.
- ✓ The training was generally good and helpful. Would have been even better if all facilitators would not assume participants had previous experience in computer programming and/or data management tools.
- ✓ The facilitators were very engaging and helpful throughout the course.
- ✓ It was all good
- ✓ Introduction to RDM tools need a lot of practice to grasp the applications that we do not use in our daily work environment but can learn a lot from or eventual adopting them
- ✓ The training was very productive, i learnt a lot, given another opportunity i wouldn't mind learning again and again and become very confident
- ✓ Accommodation to be improved on, in cases of international training.
- ✓ Improve internet connection to ease practicum sessions.
- ✓ Time management.
- ✓ "The training was very beneficial to me this will make me improve on a lot of areas in my organisation.
- ✓ I have learned a lot



- ✓ I would like to thank All the facilitators and the organizing team well done
- ✓ I hope we shall be re invited for more session in future.
- ✓ Hotel i was booked was pathetic! They have poor services: no WiFi