

## Data sharing is part of data management : the need for a holistic and coherent view on research data management

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### Background - awareness on data management (DM)

#### 🔍 a common researchers perspective:



- Focusing on distinct DM activities
- Neglecting essential DM activities and deliverables
- Underestimating DM workload, resources, quality and timelines
- New momentum for highlighting data management

### Methods & Results

#### 🔍 a data managers perspective:

- Consider the complete **DM workflow**



- Breakdown of DM work into tasks, milestones, deliverables & responsibilities

N°	DM tasks/processes	Type	Name	Lead Participant Organisation	Month of project	Due date
1	Planning and preparation	Milestone	Software/hardware evaluation and selection	ICRHK - Mombasa	3	30-Jan-19
1	Planning and preparation	Deliverable	Data Management Section in Study Protocol	ITM - Antwerp	6	30-Apr-19

Table : Extract of the DM Workflow for a fictional clinical trial

- Use **Metrics** and **Good DM Practices** to support DM workflow

**Eg. 1.** estimate human resources for data entry  
 - 4000 participants = 4000 CRFs = 400 days = 2 year for 1 Data Entry Clerk (DEC) entering 10 CRFs/day  
 - If the study time is 1 year then you need 2 DEC's  
 - if you consider more quality input by double data entry you need to multiply human resources by two

**Eg.2 :** ensure timeliness  
 Database lock is an essential milestone in a clinical trial.  
 Time between 'Last Patient last visit' (LPLV) and 'Database lock' → important study metric! The Tufts – Veeva 2017 eClinical Landscape study (3) mentions an average of 36,3 days between LPLV and database lock.

Better awareness and management of DM might avoid quality and time issues downstream. This is in particular important for data sharing situated at the end of the DM workflow.

### Conclusion

Data sharing is only one of many research data management (DM) tasks. Considering all aspects of DM is paramount for qualitative (clinical) research.

### References cited

- (1) Institute of Tropical Medicine Antwerp, Belgium
- (2) International Center for Reproductive Health, Mombasa, Kenya
- (3) <https://tinyurl.com/y8sbynu6>

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### Acknowledgements

