

# Research Data Storage & Security

## Security Levels

- I,II,III,IV

## Storage options

- OneDrive
- Teams
- Google
- Shared Drive
- REDCap
- HPCC
- Dryad



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## Data Security Levels per IRB

**Level I:** De-identified & publicly available identifiable

**Level II:** Benign information about individually identifiable persons

**Level III:** Sensitive information about individually identifiable persons\*

**Level IV:** Very sensitive information about individually identifiable persons\*

*\*includes HIPAA/FERPA/GDPR*

*Source: G-16: Guidance on Data Management Requirements for Research Data*

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## Data Management Plans and Proposals

### OSP submissions via OneAegis

- Reviewed by IT
- Need to see a data management plan
- Please account for costs of technology
  - Hardware, software, storage

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## OneDrive

- *Personal* cloud storage
- Easy to share *but...*
- Accessible from anywhere
- Already on your GVSU device
- HIPAA/FERPA/GDPR compliant
- Level I, II compliant

## Teams

- *Shared* cloud storage
- Easy to manage
- Accessible from anywhere
- HIPAA/FERPA/GDPR compliant
- Level I,II,III compliant
- Backed up locally
- Ability to create channels

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## Google

- Level I or II only
- Not intended for long-term storage
- Like OneDrive, disappears if you leave the university

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## Shared Drives

- Limited to GVSU personnel only
- Available only on campus or on VPN
- No syncing or shared authoring
- Needs justification for use (Teams or OneDrive are preferred)
  - Level IV compliant
- No self-management
- May incur costs depending on amount of storage

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## REDCap

- Survey tool
- Generally used in medical fields
- Level I, II, III, IV, HIPAA, FERPA, GDPR compliant

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## HPCC (Clipper)

- Storage within the environment
  - 50GB Home folder
  - 2TB Project folder
- HIPAA data is NOT allowed in the environment
- Level I or II data is allowed
- Not backed up

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## Dryad

- University sponsored, free to you
- Collaborative
  - Work in progress through submission
- Quality control curators review content
- Compliant with publisher requirements
- Completed projects storage
  - DOI's created automatically
  - Complies with the Nelson Memo requirements
- Easily find related research

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**Thank you!**

**Eric Bellmore**  
[bellmore@gvsu.edu](mailto:bellmore@gvsu.edu)

**Academic Research Computing**  
[arcit@gvsu.edu](mailto:arcit@gvsu.edu)