IT Points Important to Health & Human Development (HHD) Researchers
Office of Information Systems and Services (ISS), 16 BBH Building
ISS-helpdesk@psu.edu, 865-INFO

- **Data Storage**
  
  **Local Services**
  
  HHD currently does not offer local shared file storage. We do allow researchers to store files locally, but they are not permitted to “share” the files from their desktop because of security concerns.

  **Central Services**
  
  - **PSU Box** allows for collaboration between both internal PSU users and external users. Box supports Protected Health Information (PHI) data and is approved for multiple data types. Access options are via the Web and/or using BoxSync. There is a new Box service coming soon that will allow Box to be mounted like a mapped drive (not Webdav).
  
  - **PASS** allows for easy sharing between PSU users, but it does not work well for external users. PASS has size limits of about 200GB per project space. PASS is not approved for PHI or Health Insurance Portability and Accountability Act (HIPAA) data. Access to PASS can be via a web portal or via a mapped drive.
  
  - **ICS** - Currently available on a for fee service basis and is only intended for research data. It is not approved for HIPAA data. The college has purchased 70TB of space to share among all of the departments and allocates it to those with very large, complex files. Researchers also have the option of paying for their own space. Access can be via mapped drive, Secure File Transfer Protocol, Secure Shell, ACI-I, or Globus. This storage can be tied to the PSU Clusters. Currently access is limited to PSU IP’s only. The data in ICS cannot be accessed from outside PSU. ICS fees can be and are encouraged to be part of your sponsor-funded projects when these costs are for a specific project and purpose. Coordination with the HHD Research Office is critical to make sure these costs are included in your proposal.

  **Cloud Services**
  
  - **PSU Box** is the only cloud service currently available for research data. Any request to use a cloud service must be processed via Risk Management. There are economic considerations as well. The College does not want to use general funds to purchase other cloud services when a good product like Box is available to all Penn Staters.

- **Data Classification**
  
  What can be stored where?
  
  - Information can be found here: [http://datacat.psu.edu/data-storage-all-data-types/](http://datacat.psu.edu/data-storage-all-data-types/)

- **Consultation & Direction**
  
  - Meet with ISS Consultant to review project technology needs
HHD Research Office Cost Justification Forms are needed for purchasing IT equipment with a sponsor-funded budget. Information can be found here: https://guru.psu.edu/forms/CostAccountInst.html

*** DON’T SIGN ANYTHING UNTIL HAVING A CONSULTATION ***

• Data Governance
  o Explanation of Research Computing and CyberInfrastructure (RCCI) - Research Governance at Penn State
    ▪ See http://rcci.psu.edu/ for more information

• Research Technology
  o As far as research technology solutions, ISS is limited in what we can provide due to central policies and procedures. Check with an ISS Consultant for advice before purchasing technology.
    ▪ There are minimum PC configurations that must be adhered to in HHD. Check with an ISS Consultant before purchasing.
    ▪ We must assure that PCs are configured and operated in a secure manner
      • PII Scanning, patching, and threat analytics must be capable of executing on all networked PCs

• When working on the following non-financial agreements, please contact an ISS consultant for assistance with various provisions:
  o Technology Control Plans (TCP)
  o Data Use Agreements (DUA)

• HHD Software and Licensing Requirements
  o SAS/JMP – Yearly Subscription
    ▪ Allows for second install on home computer. Limited to only running one instance at a time.
    ▪ Renewal Date: July
  o EndNote – One Time Purchase
    ▪ Allows for second install on home computer. Limited to only running one instance at a time.
  o Sigmaplot – Yearly Subscription
    ▪ Second install is not permitted
    ▪ Renewal Date: January
  o SPSS – University License
  o MPlus – One-time purchase
    ▪ Second install is permitted on up to 4 Computers. Limited to only running one instance at a time.
  o Matlab – University License
    ▪ Only 30 instances may be active at any time.
  o Adobe Pro DC/CC Suite – Yearly Subscription
• Adobe Pro can be installed solo.
• Adobe Creative Cloud (CC) must be installed with Adobe Pro.
• Department will be billed at the end of each Fiscal year.

• Operating Systems/Mandatory Software/Hardware Warnings
  o Currently only Windows and Apple operating systems are supported. We expect to offer Linux desktop support very soon.
  o Windows computers must have Malwarebytes and Symantec security software installed at all times
  o Windows and Apple computers will have Identity Finder installed at all times
  o Windows and Apple computer updates are installed automatically for security purposes
  o At this time we are not purchasing Apple iMacs due to service issues. Check with an ISS Consultant on substitutions.
  o We also want to advise that the late-2016 line of Apple laptops are not able to be upgraded. Apple chose to solder components to the circuit boards effectively preventing updates of memory and disk storage. The configuration purchased is the configuration you will have to stay with for the life of the laptop.