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I. Policy

A. The “collection” and “storage/distribution of human data and/or tissue/specimens for future research purposes” are two separate “repository operations”. In most cases, these repository operations constitute “human research” and each requires Institutional Review Board (IRB) approval.

B. The operation of a human data management center (e.g., data centers, data banks, or database) or human specimen repository (e.g., registry, bank, or library) for research purposes by HSC employees or agents must be approved by a HSC designated IRB if the activity meets the definition of Human Subjects Research.

1. The repository must have a HSC employee designated as the Principal Investigator. The repository PI has primary responsibility for the collection, storage and distribution of data and/or specimens.

2. The repository operation must comply with all applicable policies regarding establishment, maintenance and use of databases containing personal identifiers including IRB approval. In addition, the operation of the repository must be capable of:
   a) Identifying when the material is originally received and whether the person from whom the material was obtained signed a legally effective consent /gave authorization under HIPAA. (unless consent and authorization were waived by the IRB).
   b) Identifying data/samples for which consent has been withdrawn and ensuring no future use.

3. The security and confidentiality of the materials are protected by providing the following minimum measures:
   a) Coding. A method to code the data/specimens, including a process to protect/maintain the key to the code and limit access to the key. The coding system must be adequate to reduce the possibility of re-identification by unauthorized individuals.
   b) Controlled access to the data/specimens - access to the un-coded data/specimens must be restricted to a limited number of repository staff. Accountability for controlling and monitoring access must be provided.
   c) Security procedures - a method to limit access to the coded data/specimens (including computer security and specimen storage security measures) must be provided.
d) A Certificate of Confidentiality is recommended, but not always required by the IRB, as an additional protective measure.

4. Distribution of Data/Specimens from a HSC Repository.

a) Repositories will not (generally) provide access to the identities of donor-subjects or to information through which the identities of donor-subjects may readily be ascertained to individuals or entities outside of the repository investigators and staff (with the exception of 4b).

b) Repositories will require proof of IRB review for each specific research study (from researchers outside of the repository team) that requests identifiable data/specimens from the repository. Each study is considered to be a research activity that is separate from the data center/repository itself.

c) In the situation where the recipient investigator is also a member of the repository team, there must be a process to either: (1) prevent this person from being able to access the identifiable information; or (2) allow access but restrict activities to only involve the use of repository materials, if the information is recorded by the investigator in such a manner that subjects cannot be identified, directly or through identifiers linked to the subjects; and this is an IRB approved distribution activity under the repository protocol.

d) Repositories may require a signed agreement from the recipient-investigator stating (as applicable): 1) that use of repository materials is governed by HSC IRB, 2) only specimens or data that are not otherwise identifiable to the recipient may be provided by a HSC repository (except those with IRB approval to do so), 3) the recipient agrees not to attempt to re-identify the materials (except those with IRB approval to do so), 4) if identifiable materials are distributed, they may only be utilized in accordance with the conditions stipulated by an IRB, and 5) any additional use of the materials requires prior review by the repository and an IRB (if identifiable).

e) Tracking. Repositories must include a plan to track the distribution of materials to recipient investigators. This tracking should include (as applicable):

(1) Name of recipient,
(2) title of protocol,
(3) type of materials distributed (data, blood samples, tumor samples, etc.),
(4) whether the materials were provided with/without identifiers, and
(5) confirmation that IRB approval was received (for identifiable material distribution)

C. The collection of materials (data or specimens) for inclusion in a research data center or repository by HSC employees/agents must be submitted to the HSC IRB.

1. The data center or repository may be either local or external.

2. Collection of materials (data/specimens) must be authorized by obtaining the legally effective informed consent and authorization of the subject or the subject's legally authorized representative (unless consent and authorization were waived by the IRB).

3. Prior consent and authorization for collection and use of materials in future research may be waived only if the criteria for a waiver of consent and HIPAA authorization are met, and:

a) The protocol includes a plan for allowing subjects to opt-out of the repository or certain aspects of the repository.

b) It involves materials (data, documents, records, or specimens) that have been collected, solely for non-research purposes such as medical treatment or diagnosis.
It involves existing materials (data, documents, records, or specimens) that have been collected for research purposes under another IRB-approved research study, however consent and authorization for future research use could not/cannot be obtained.

II. Procedure

A. Submission for a local repository involving both collection and storage/distribution of human data and/or tissue/specimens.

1. A repository application package is submitted for IRB review. The package includes a completed repository protocol (current version), repository consent form or waiver (current version), and other supporting documents as appropriate.

2. If the local repository will accept specimens/data from other IRB approved research studies, the consent form (or waiver) used in the collection of specimens/data from the other studies must be approved under the repository application. The Repository PI may either:

   a) Add the individual collector-investigator(s) (from the other study) as a repository team member(s) and utilize the consent approved for the repository to collect specimens/data from subjects enrolled in the other research study, or

   b) Add the entire study staff of the contributing study to the study personnel list and the study staff will use the consent form approved under the repository protocol. The personnel role will be “collector-investigators.” For example: HSC20070001H Study staff – Collector Investigators – Obtaining consent and collection of specimens/data.

   c) The IRB will consider exceptions to the consent requirement for studies which are contributing existing data/specimens where consent for banking has already been obtained.

B. Submission procedures for repository activities limited to local collection of materials to be sent to a separate repository (either internal or external).

1. An IRB application package is submitted for review. The information related to the local collection of materials for inclusion at a separate repository which should be submitted are:

   a) For repository studies only collecting and contributing to a separate (external) repository:
      (1) A HSC Research Common Application,
      (2) Form C-1
         (a) Complete “Collection of Materials” section
         (b) If you will maintain a link (code) to the identifiers, the “Storage” section must also be completed,
      (3) HSC Repository consent form (current version)
      (4) A copy of the external institution’s IRB approval for the storage/distribution operations of the repository, and
      (5) other supporting documents as appropriate.

   b) For research studies that will also collect and contribute to separate repositories:
      (1) The repository sponsor’s protocol or study’s Research Description providing information on collection activities and transport of materials to the repository,
      (2) Repository consent form (current version) or research consent with added information about the repository and an opportunity for subjects to opt in to the repository or a copy of the external repository consent form,
      (3) A copy of the IRB/ethics committee approval for the storage/distribution operations of the repository (if applicable), and
      (4) Other supporting documents as appropriate,
III. References

A. Definitions (see Glossary)

B. Regulatory (see Policy on Policies Policy and Procedure)