COMMON RULE REQUIREMENT FOR SINGLE IRB: IMPLICATIONS FOR CANCER REGISTRY LINKAGE STUDIES

Background

The protection of human subjects in federally-funded research is governed by the U.S. Department of Health and Human Services (DHHS) Office for Human Research Protections (OHRP) which has developed federal policy including the Common Rule, a 1981 rule of ethics (revised in 1991), regarding biomedical and behavioral research involving human subjects in the US. This rule provides guidance to Institutional Review Boards for oversight of human research.

The Common Rule is the baseline standard of ethics by which any government-funded research in the U.S. is held; nearly all U.S. academic institutions hold their researchers to these statements of rights regardless of funding. In January 2017, the Common Rule was amended in several ways; The compliance date is January 20, 2020.

Cooperative Research Provision

One change that will impact some central cancer registry-based research is requirement of the use of a single IRB for cooperative research, i.e., projects that involve more than one institution. “Any institution located in the United States that is engaged in cooperative research must rely upon approval by a single IRB for that portion of the research that is conducted in the United States. The reviewing IRB will be identified by the Federal department or agency supporting or conducting the research or proposed by the lead institution subject to the acceptance of the Federal department or agency supporting the research.”

Francis S. Collins, M.D., Ph.D.
Director, National Institutes of Health
June 20, 2016

Why Was This Done?

Review of a multi-site study by the IRB of each participating site involves significant administrative burden. When each participating institution’s IRB conducts a review, the process can take many months and significantly delay the initiation of research projects and recruitment of human subjects into research studies. Use of single IRBs in multi-site studies has been shown to decrease approval times for clinical protocols and may be more cost-effective than local IRB review.

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Both HHS and FDA previously allowed multi-site studies to use joint review or rely on the review of another IRB.\textsuperscript{9,10}

There is no evidence that multiple IRB reviews enhance protections for human subjects. In fact, the use of single IRBs may lead to enhanced protections for research participants by eliminating the problem of distributed accountability, minimizing institutional conflicts of interest, and refocusing IRB time and resources toward review of other studies.\textsuperscript{7-10} Both HHS and FDA previously allowed multi-site studies to use joint review or rely on the review of another IRB.\textsuperscript{11,12}

**What is a Single IRB?**

The concept of a single IRB, or central IRB (CIRB), has long been utilized by the federal government supporting humans subjects research. In this model, multiple institutions participating in a common protocol all rely on one IRB review and approval. At the National Cancer Institute, these include:

- Adult CIRB – Late Phase Emphasis (reviews National Cancer Institute Cancer Therapy Evaluation Program (CTEP) sponsored Phase 3 adult clinical trials)
- Adult CIRB – CTEP Early Phase Emphasis
- Pediatric CIRB - CTEP sponsored Pilot, Phase 2, and Phase 3 pediatric clinical trials
- Cancer Prevention and Control CIRB - reviews cancer prevention and control studies.

The National Cancer Institute’s Division on Cancer Control and Populations Sciences is establishing a new central IRB dedicated to minimal risk studies, such as linkages of cancer epidemiology cohort studies with central cancer registries.

**How Does This Impact Cancer Registries?**

- Cohort studies that conduct linkages with central cancer registries currently find that many registries require local IRB to review and approve the study.
- OHSRP through 45 CFR 46 has determined that cohort linkages are considered minimal risk studies and can be reviewed via expedited process.
- Given the new NIH policy that a Single IRB will be used for multi-site studies funded by the NIH, NCI will create a new central IRB devoted to this type of research.
- Local IRBs can opt to use the Central IRB to perform the review and approval for minimal risk studies
- Local context issues will be incorporated into the Central IRB review
- Another Common Rule change that will simplify many central cancer registry cohort studies, is the elimination of the requirement for annual continuing review.\textsuperscript{4}

**Benefits of a Central IRB**

- Eliminate duplicative IRB review (beyond initial institutional IRB approval).
- Ensure consistency of IRB reviews.
- Allow local/state IRBs to concentrate more time on other reviews.
- Reduce multiple (or varying) local/state requests for protocol changes that necessitate re-review by institutional IRB.
- Decrease administrative burden on research staff.
- Reduce timeline for approval and release of data.
- Contribute to more timely science and discovery.

**Additional Resources**

References

6https://www.nih.gov/about-nih/who-we-are/nih-director/statements/single-irb-policy-streamline-reviews-multi-site-research
10http://www.fda.gov/RegulatoryInformation/Guidances/ucm127004.htm
11http://www.hhs.gov/ohrp/policy/protocol/cirb20100430.html