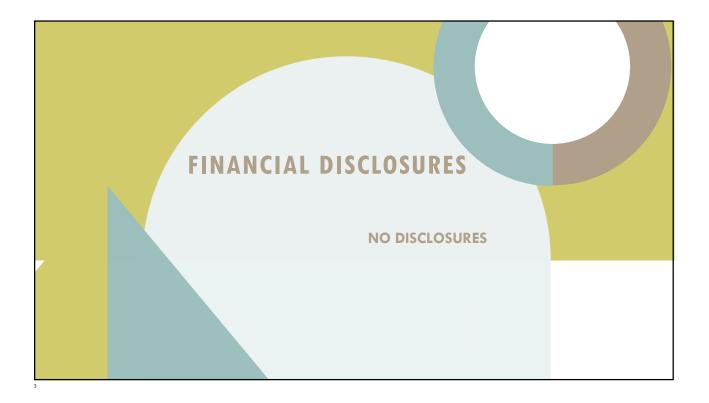


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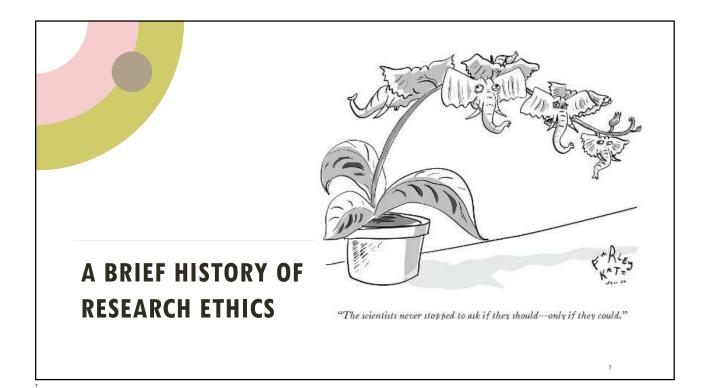


## LEARNING OBJECTIVES

- Evaluate the human subjects research (HSR) regulations in their historical context
- Identify applicable research regulatory requirements
- Describe best practices for navigating the IRB

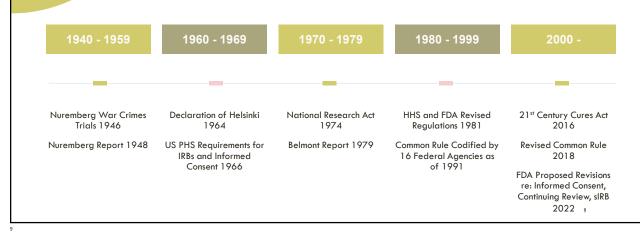


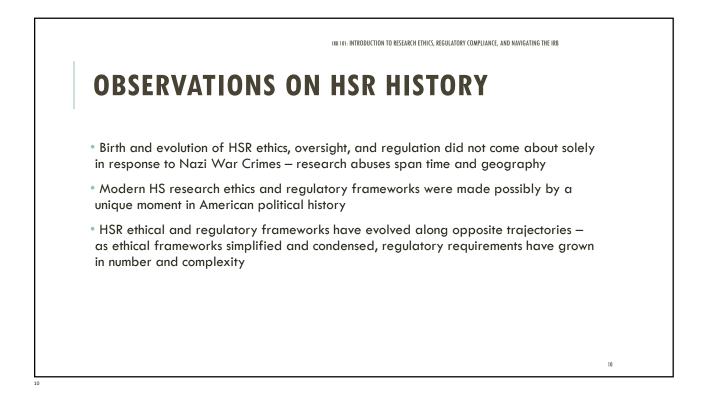






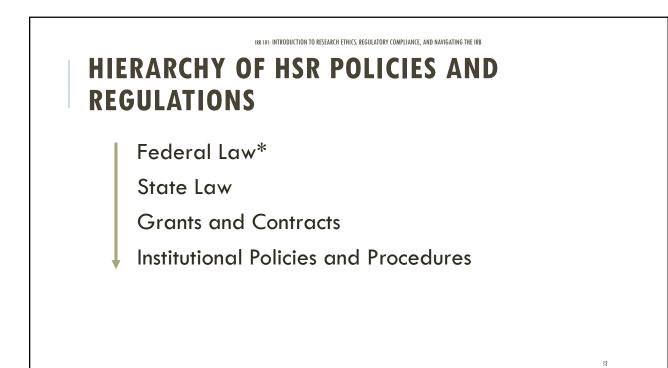
## EVOLUTION OF HUMAN SUBJECTS RESEARCH ETHICS AND REGULATIONS

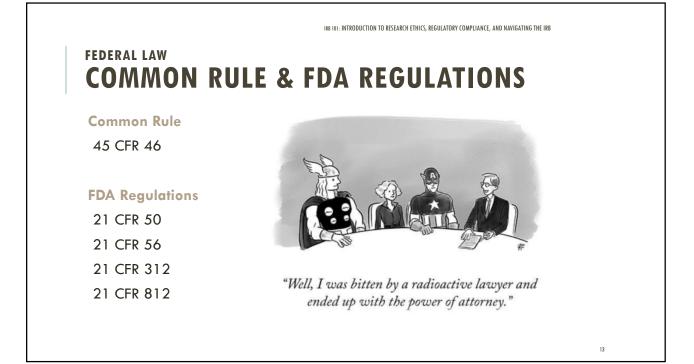


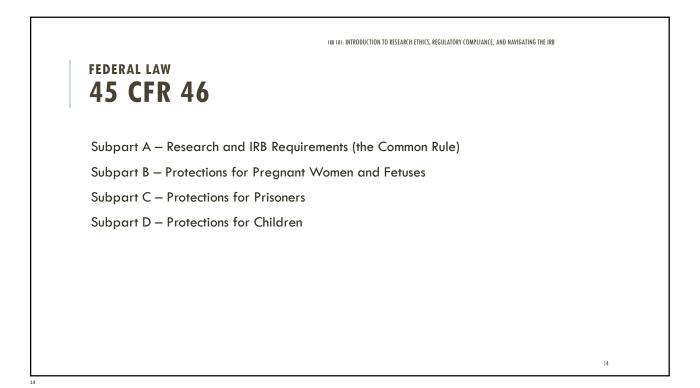












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IRB 101: INTRODUCTION TO RESEARCH ETHICS, REGULATORY COMPLIANCE, AND NAVIGATING THE IRB

# **WHAT IS THE COMMON RULE?**

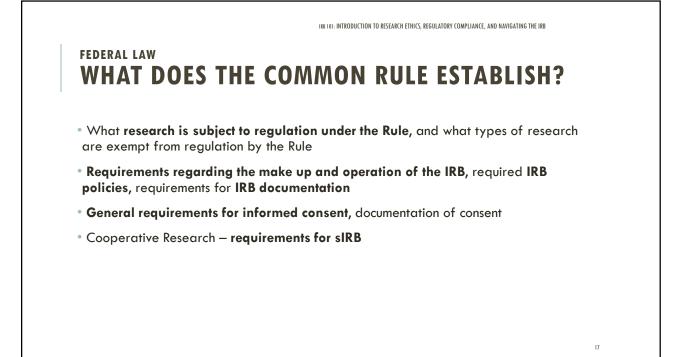
The **Common Rule** is the Federal Policy for the Protection of Human Subjects, a 1981 statute and rule of ethics for biomedical and behavioral research in human subjects in the U.S. It is found at 45 CFR 46 (Subparts A, B, C, D). **16 agencies and departments** signed onto the original Federal Policy for the Protection of Human Subjects, including DHHS, DoD, DoE, EPA, which is why it is called the "Common Rule." A total of 20 agencies have or will sign the Revised Common Rule. The Common Rule applies to research funded by a federal Common Rule agency or department.

The Department of Health and Human Services (DHHS) issued revisions to the Common Rule which become effective January 21, 2019.

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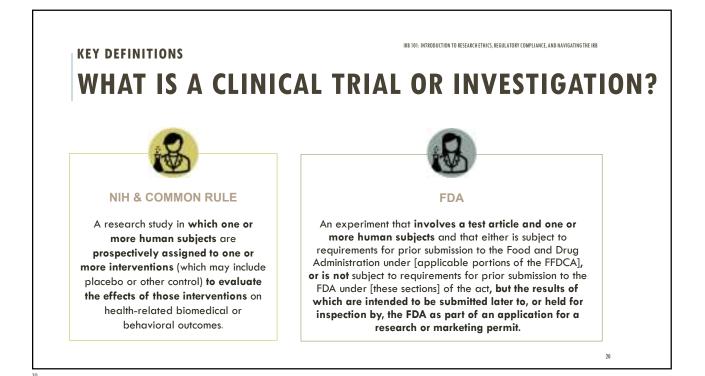
the Revised rule.

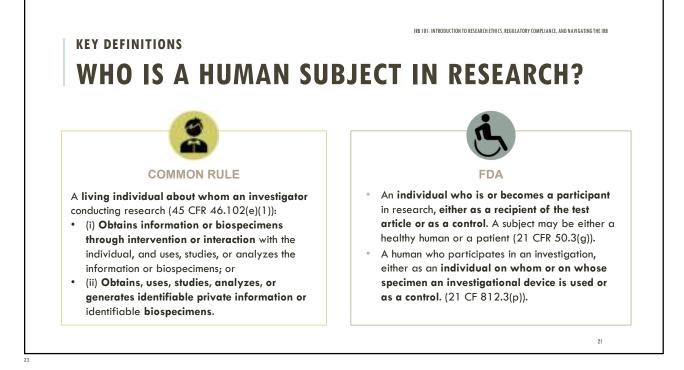
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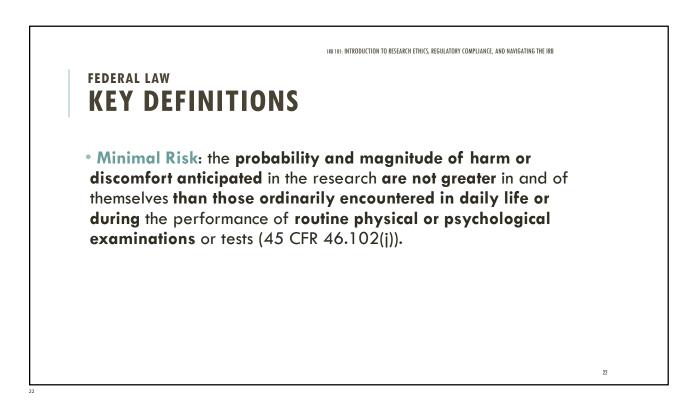


<b>ADOPTED T</b>	HE DCD2	PARTMENTS H	IAVL
Department of	Housing and Urban	Department of Health and	
Homeland Security	Development	Human Services	
Department of	Department of	National Science	
Agriculture	Justice*	Foundation	
Department of	Department of	Department of	
Energy	Labor	Transportation	
NASA	Defense Department	Office of the Director of National Intelligence**	* DOJ intends to adopt the RCI
Commerce Department	Department of Education	Central Intelligence Agency**	
Social Security Administration	Veterans Affairs Administration	Consumer Product Safety Commission	
Agency for International	Environmental Protection		** Required to follow RCR
Development	Agency		by Executive Order

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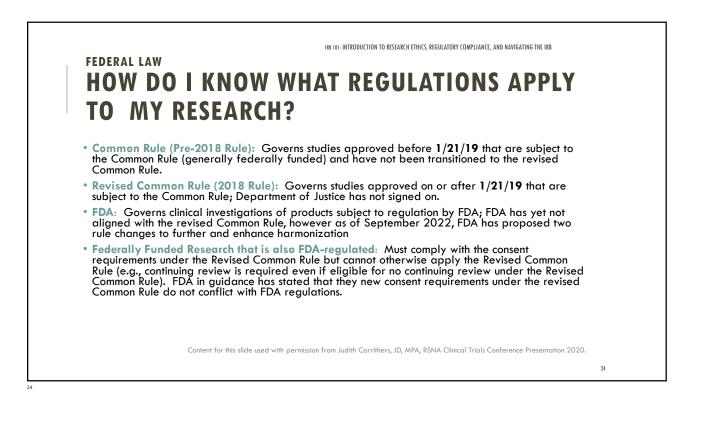




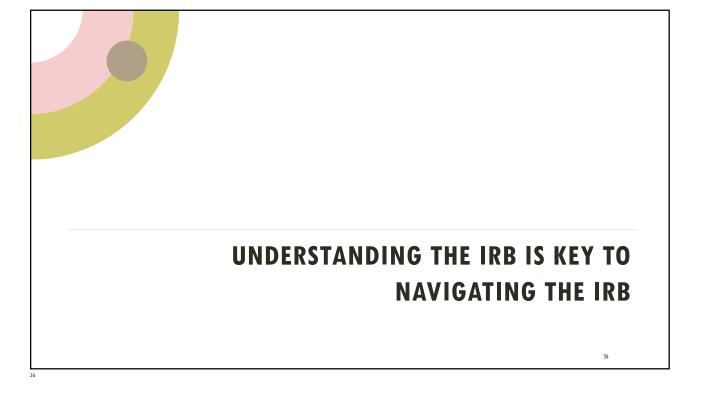


**FEDERAL LAW KEY DEFINITIONS: MORE ON MINIMAL RISK** MINIMAL RISK PROCEDURES **GREATER THAN MINIMAL RISK** Collection of data through non-invasive means MRI requiring sedation or contrast (NOT requiring general anesthesia or sedation) X-Rays routinely employed in clinical practice, including **DEXA** scans MRI (3 Tesla or under), ECG, or ultrasound Research using biospecimens previously collected Extra biopsies when other biopsies are already or that will be collected for purposes of standard being taken for standard diagnostics; of care Punch biopsies Collection of blood by venipuncture from healthy Collection of blood from an indwelling catheter, adults and children (subject to additional regardless of the reason for the placement of the requirements) catheter\* Collection of data from voice, video, digital, or Research in which the identification of subjects or images made for research purposes their responses would reasonably place subjects at risk of civil, criminal, or reputational harm 23

IRB 101: INTRODUCTION TO RESEARCH ETHICS, REGULATORY COMPLIANCE, AND NAVIGATING THE IRB

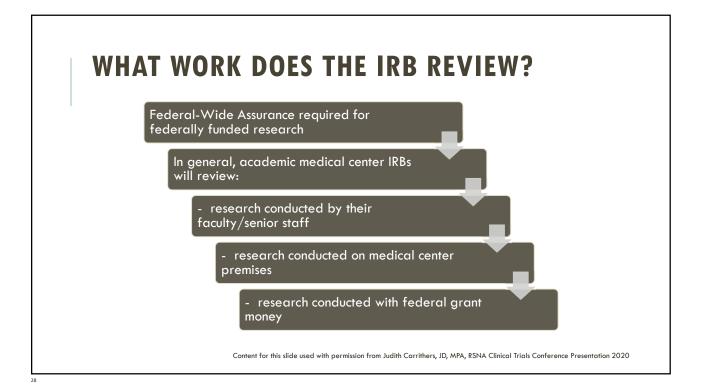


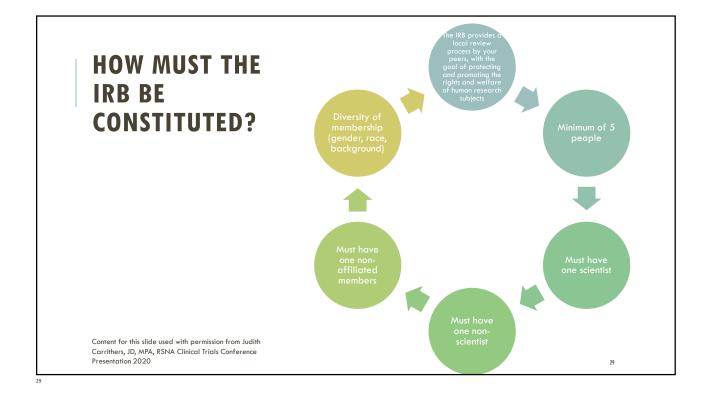
IRB 101: INTRODUCTION TO RESEARCH ETHICS, REGULATORY COMPLIANCE, AND NAVIGATING THE IRB **FEDERAL LAW ADDITIONAL SOURCES OF FEDERAL LAW IN** HSR • HIPAA: Depending on your role and the status of your institution, HIPAA may apply to your use of protected health information (PHI) in research. • NOTE: Per exempt category 4(iii), [when] research involves only information collection and analysis involving the investigator's use of identifiable health information when that use is regulated under 45 CFR parts 160 and 164, subparts A and E, for the purposes of "health care operations" or "research" as those terms are defined at 45 CFR 164.501 or for "public health activities and purposes" as described under 45 CFR 164.512(b), that research is secondary research for which consent is not required. These are your medical chart review studies. 21<sup>st</sup> Century Cures Act: Signed into law on December 13, 2016, Cures is intended to "accelerate medical product development... and enhance [FDA's] ability to modernize clinical trial designs (including the use of real-world evidence)." Cures also requires FDA, to the extent possible, to harmonize its regulations with the provisions of the Revised Common Rule. On September 28, 2022, FDA made available for comment two proposed revisions to the FDA regulations governing HSR. The proposed revisions include adopting the informed consent, continuing review, and sIRB requirements adopted in the Revised Rule.

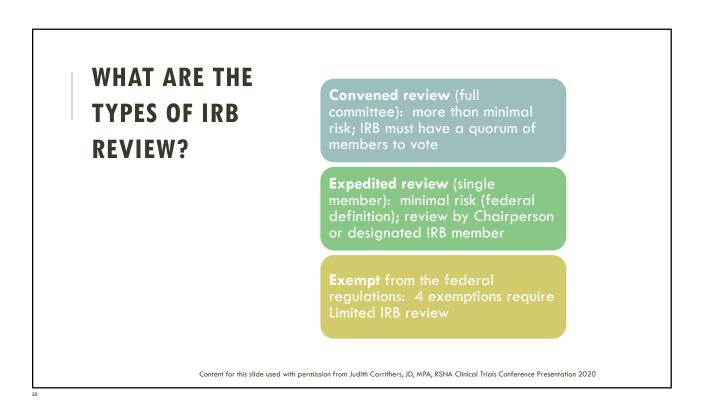


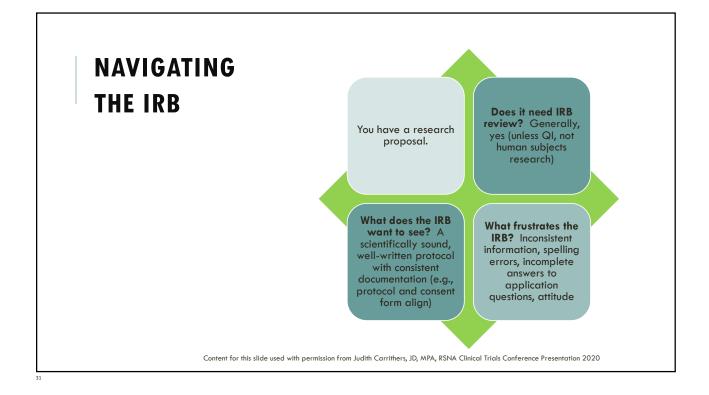


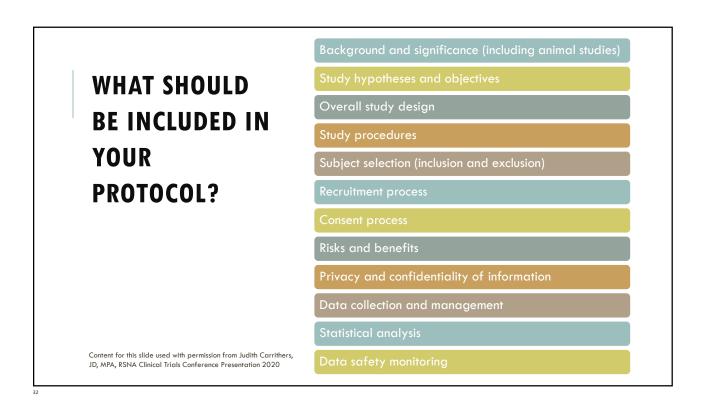
IRB 101: INTRODUCTION TO RESEARCH ETHICS, REGULATORY COMPLIANCE, AND NAVIGATING THE IRB WHAT IS THE NATURE OF THE I.R.BEAST? • IRBeast acts as a surrogate for federal regulators HSR regulations cannot be easily separated from the legacy of abuse from which they emerged. In promulgating the HSR regulations, Congress chose to view risks and responsibilities through a wider lens than it has historically used to assess their clinical counterparts. • Our obligation to mitigate risks to another individual depends on the nature and scope of our obligation to that individual • Modern HSR regulations establish a broader scope of obligation in research than in the care setting Particularly in the context of FDA regulations – but also to some extent with the Common Rule – HSR protections were retrofitted into a regulatory framework designed for consumer protections • Both the Common Rule/Revised Common Rule and FDA were promulgated pursuant to the Commerce Clause • Common Rule applies only when the research is funded by a Common Rule agency. FDA regulations apply to all clinical investigations of FDA-regulated products, regardless of the source of funding. The IRBeast operates in a highly regulated environment, subject to inconsistent definitions, outdated regulations with varying applicability, and conflicting legal/ethical imperatives











In your protocol (and in your mind), differentiate between <u>routine clinical</u> care and <u>research procedures</u>.
Semember that you may make changes in clinical care without outside approval, but you must have IRB approval before changing your research (e.g., extra blood draw, adding 5 minutes to a scan) or a significant change (using an investigational drug or device), if it is research, you must first submit a protocol amendment to the IRB.
In your protocol, also consider and describe: stopping rules; what happens when the research ends; whether and how study results will be provided to participants; special issues such as genetics; whether primary physician may be contacted with results; future use of specimens; sharing of specimens.

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IRB 101: INTRODUCTION TO RESEARCH ETHICS, REGULATORY COMPLIANCE, AND NAVIGATING THE IRB

## **RISKS AND BENEFITS**

#### Risks

- Describe research risks (not risks of clinical care)
- If possible, quantify the risks (one in twenty, small, often); describe in lay language
- Minimize study risks to the extent possible (screening, exclusion, medical monitor/DSMB)
- Remember associated risks (withdrawal from clinical medications, additional time under anesthesia, loss of confidentiality)

#### **Benefits**

- There is no benefit
- You may not benefit
- Do not include payments, psychological benefit of participating in research

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**BADIOLOGY ISSUES If "imaging" is included in the protocol:** 

 • What is the purpose of the imaging?

 • Is it research or standard of care?

 • What is the imaging technique?

 • will contrast be used (include risks in the consent form)

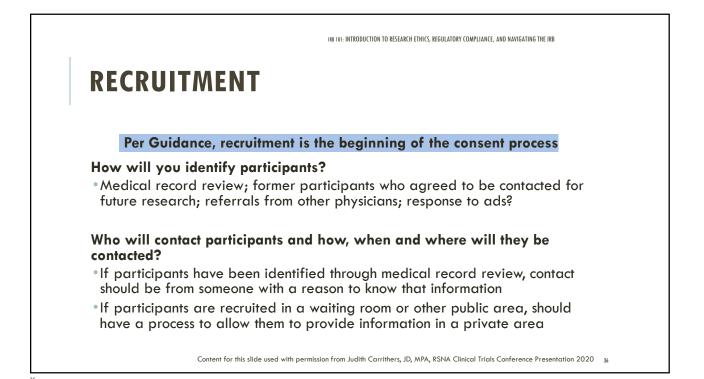
 • is it experimental or FDA cleared

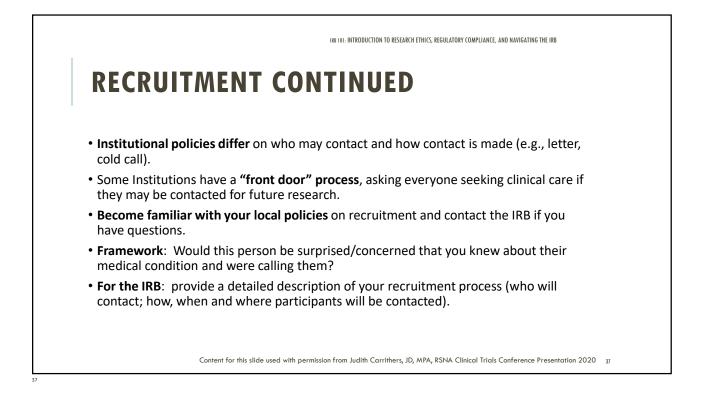
 • what is the dose of the exposure

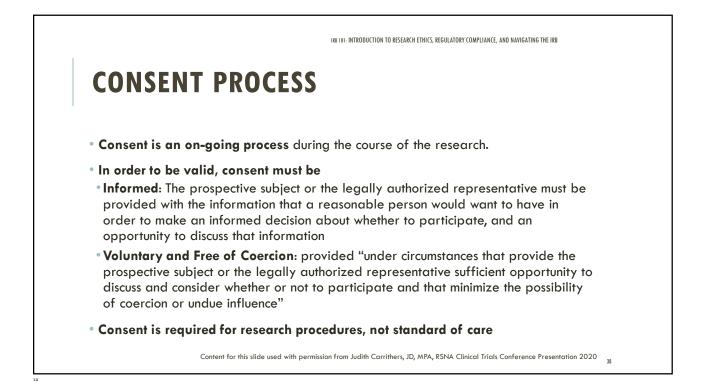
- where will it be done
- If images are clinical quality, how will incidental findings be handled?

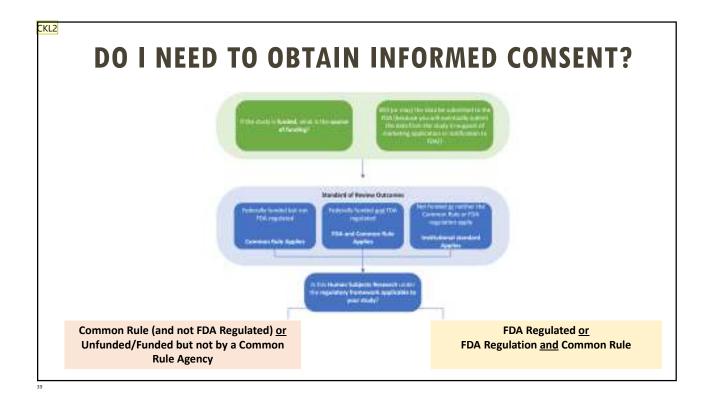
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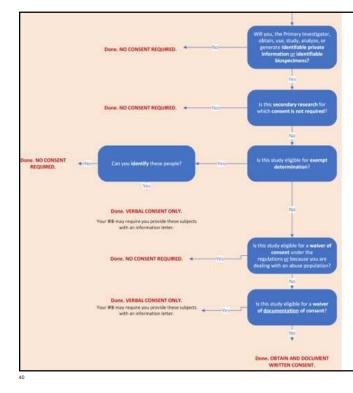
IRB 101: INTRODUCTION TO RESEARCH ETHICS, REGULATORY COMPLIANCE, AND NAVIGATING THE IRB











### Analysis Under the RCR

Secondary Research for which Consent is Not Required: Uses of identifiable private information or identifiable biospecimens, if at least one applies: (i) The identifiable private information or identifiable biospecimens are publicly available; (ii) Information, which may include information about biospecimens, is recorded by the investigator in such a manner that the identity of the human subjects cannot readily be ascertained directly or through identifiers linked to the subjects, the investigator does not contact the subjects, and the investigator will not re-identify subjects;

superca (iii) The research involves only information collection and analysis involving the investigator's use of identifiable health information when that use is regulated under HIPAA for the purposes of "health care operations" or "research"

 Research Eligible for an Exemption

 1.
 Research in commonly accepted education settings meeting certain criteria

 2.
 Research involving educational tests (cognitive, diagnostic, aptitude, achievement), survey

- procedures, interview procedures, or observation of public behavior if:
  - Information is recorded by the investigators of balance tentron in . Information is recorded by the investigators of that the identity of the subjects cannot readily be ascertained, directly or through identifiers linked to the subjects; Disclosure of the human subjects' responses outside the research would not reasonably place 1.
  - 2.
  - 3.
  - Discourse of the numen subjects responses outside the research would not reasonably pic the subjects at risk of criminal or civil liability or be damaging to the subjects Information is recorded by the investigator so that the identity of the human subjects can readily be ascertained, and IRB conducts a limited review for privacy and confidentiality
- 3. 4. Benign behavioral interventions meeting certain criteria
- Research using or storing information in a repository meeting certain criteria

#### **Consent Waiver**

(i) Research is on more than minimal risk to the subjects; (ii) Research could not practicably be carried out without the requested waiver or alteration; (iii) If the research involves using identifiable private information/biospecimens, the research could not

(iv) The value of alternative of the identifiable information/biospectation.
 (iv) The value or alteration will not adversely affect the rights and welfare of the subjects; and
 (v) When appropriate, the subjects will be provided with additional information after participation.

#### Waiver of Documentation of Consent

(i) The only record linking the subject and the research would be the consent form and the principal risk (ii) That the research presents no more than minimal risk of harm to subjects and involves no procedures for which written consent is normally required outside of the research context

#### Slide 39

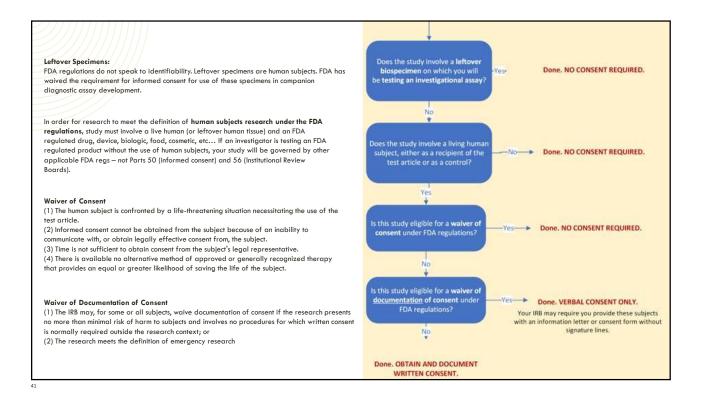
- CKLO Will (or may) the data be submitted to the FDA... Cooper, Kindra L., 2023-01-10T20:32:24.640
- **CKL1** In the blue boxes, can we remove the parentheses and keep the standard language in bold as the bottom line in each box?

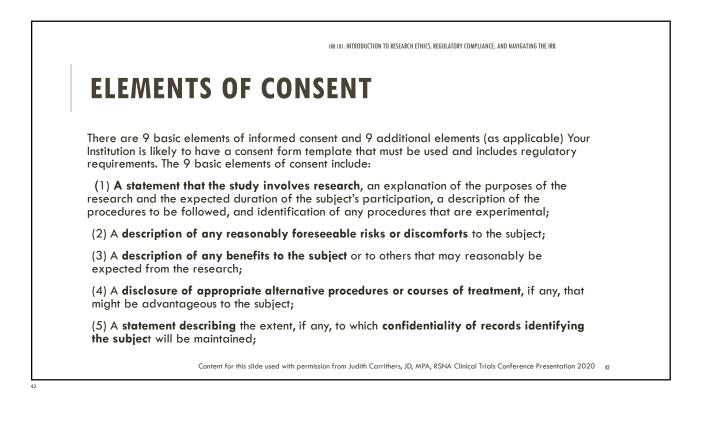
Federally Funded but not FDA regulated Common Rule Applies

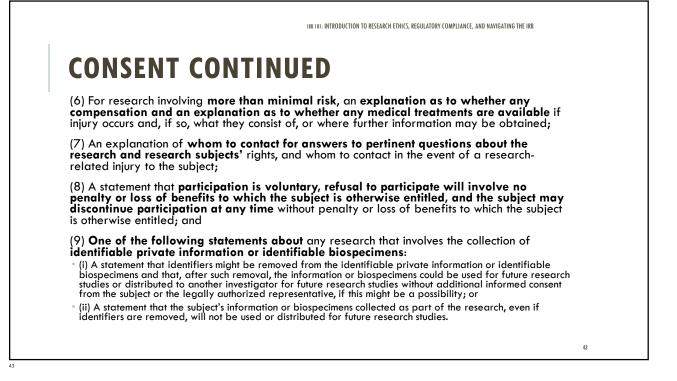
FDA regulated OR Federally Funded AND FDA regulated FDA and Common Rule Apply

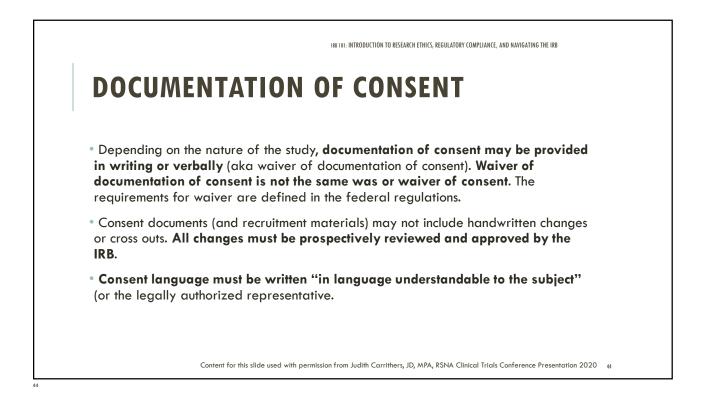
Not Funded or Neither the Common Rule or FDA regulations apply Institutional Standard Apply Cooper, Kindra L., 2023-01-10T20:39:08.835

CKL2 Can we have the text in the pink and yellow boxes center aligned? Cooper, Kindra L., 2023-01-10T20:39:41.123









IRB 101: INTRODUCTION TO RESEARCH ETHICS, REGULATORY COMPLIANCE, AND NAVIGATING THE IRB

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## SAMPLE RADIATION RISK LANGUAGE

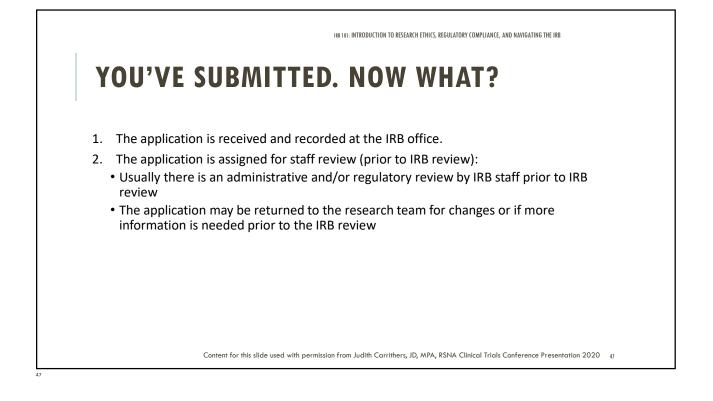
This research study includes exposure to radiation from x-rays or gamma-rays. This radiation exposure is for research purposes only and is not part of your medical care. The radiation exposure that you will get in this research study is \_\_\_\_\_\_ rem (a rem is a unit of absorbed radiation). This is less than the 0.3 rem that the average person in the U.S. gets each year from natural sources like the sun, air, food and soil. The radiation exposure described here is what you will get from the research study only. It does not include any exposure that you may have received or will receive from medical tests outside the study that are part of your medical care. Scientists disagree on whether radiation at these low levels is harmful. A possible effect that could occur at doses associated with this study is a slight increase in the risk of developing cancer later in life. If you have questions about the total amount of radiation you will be receiving, you should ask your doctor.

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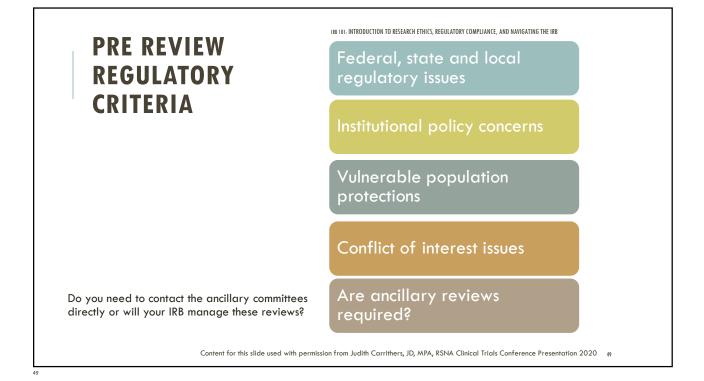
IRB 101: INTRODUCTION TO RESEARCH ETHICS, REGULATORY COMPLIANCE, AND NAVIGATING THE IRB

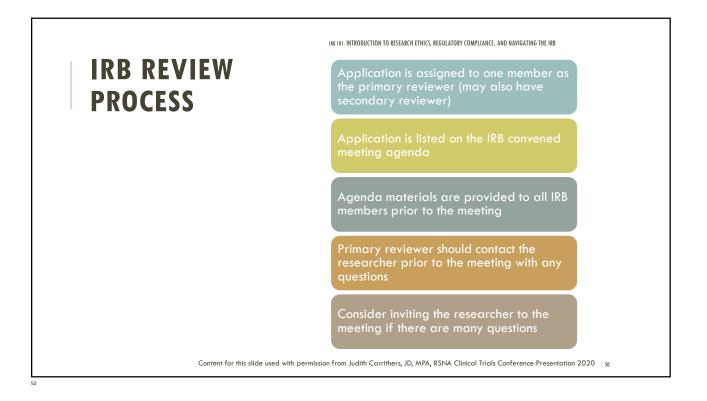
# CONSENT LANGUAGE RE: RETURN OF RESULTS

The [type of imaging] you are having as part of this research study will be review by a qualified person just as it would if you were having the procedure done as part of your routine medical care. There is a possibility that we may see an abnormality that we did not expect to see in this study. This is called an "incidental finding". We will let you know if we see such an incidental findings. (Describe how subject will be contacted). If you want, we will give information about this incidental finding to your primary doctor or we will refer you to an appropriate doctor for further evaluation.







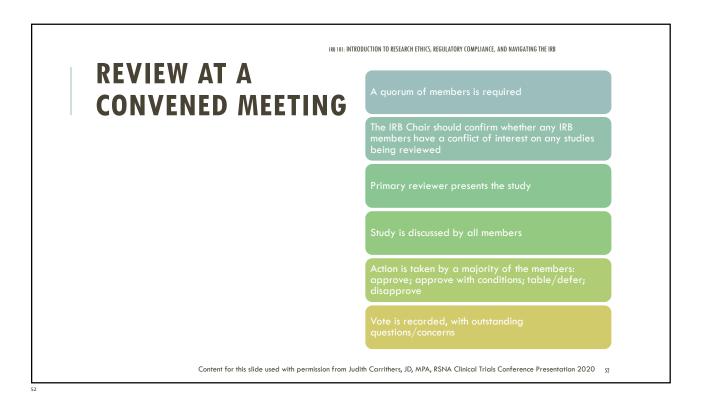


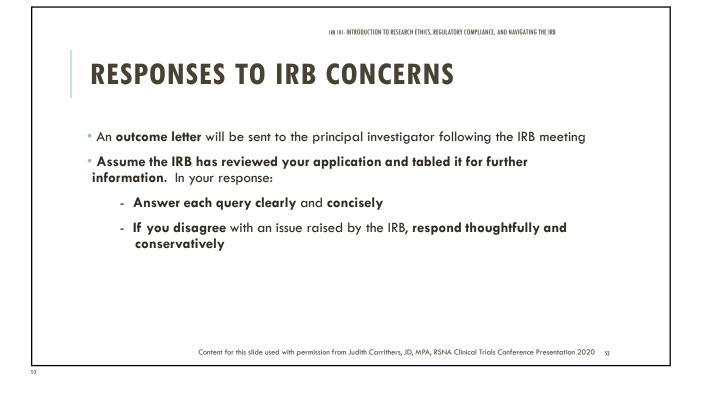
CRITERIA FOR IRB APPROVAL

- Risks are minimized
- Risks are reasonable when compared to benefits
- Selection of subjects is fair
- Informed consent (elements, documentation)
- When appropriate, data monitoring
- When appropriate, privacy and confidentiality are protected
- Additional safeguards for vulnerable populations

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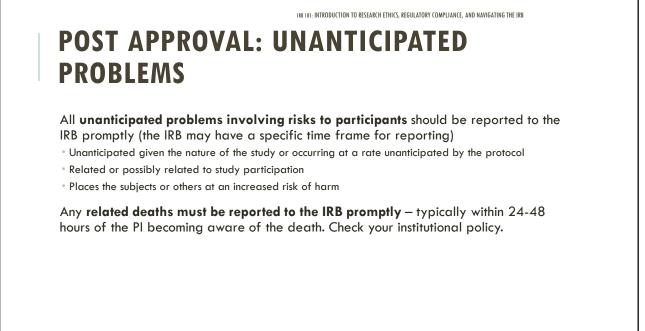




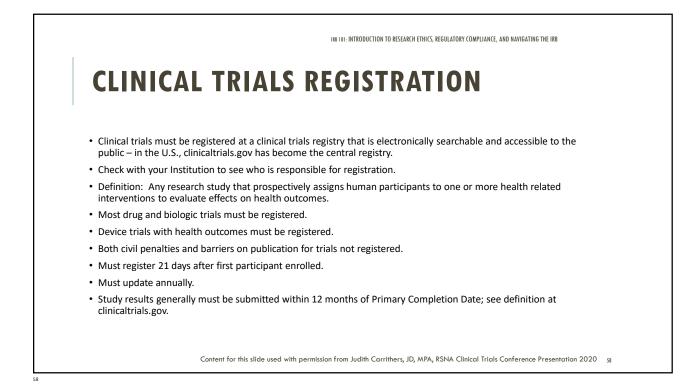
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## WHAT DOES THIS MEAN FOR YOUR RESEARCH? FOUR KEYS TO IRB SUCCESS

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## UNDERSTANDING IRB VOCABULARY AND STANDARD OF REVIEW ARE KEY TO EARLY SUCCESS

• Words and phrases codified in law have precise legal meanings. Common vocabulary pitfalls: "low risk" v. "minimal risk," "exempt" or "exemption," "minimal risk" v. "nonsignificant risk." When in doubt, consult guidance at ORHP.gov and FDA.gov.

- Standard of Review (SOR) determines which regulatory framework(s) apply to your research and the process of for IRB review. SOR depends on five things:
  - Source of funding: Funding from a Common Rule Agency? Common Rule applies
  - **Data destination:** Will your data (now or later) be subject or provided to FDA? FDA regulations applies
  - **Degree of risk:** Minimal Risk or Greater than Minimal Risk? Review method will drive turn around time (TAT).
  - Institutional Policies: If neither the Common Rule nor the FDA regulations strictly apply to your research, what SOR has your institution adopted to govern non-Common Rule, non-FDA regulated research.

 Description of the transmission of

### IN TO UNIT OUT TO RESEARCH ETHICS, REGULATORY COMPLIANCE, AND NAVIGATING THE IRB REMEMBER, SCIENCE EVOLVES FASTER THAN LAW

• 2019/2020 updates to the Common Rule and planned future revisions to FDA regulations are aimed at enhanced human subjects protections, modernization of the operational aspects of the regulations, and burden reduction. They do not address gaps in existing law governing drugs and devices, nor do they necessarily address evolving technology. When it comes to regulation of novel therapies, devices, or techniques, the IRB is forced to rely on guidance from regulators. Guidance documents necessarily lag behind the creation of the therapies, devices, or techniques to which they apply.

• If your study design is based on an esoteric guidance document, site to that guidance document in the IRB protocol.

PROTOCOL RISK AND INSTITUTIONAL SIZE HAVE IMPLICATIONS FOR IRB REVIEW

IRR 101- INTRODUCTION TO RESEARCH ETHICS. REGULATORY COMPLIANCE, AND NAVIGATING THE IRR

• Greater than minimal risk research will pass through multiple hands and receive review from more than one specialty. Minimal risk research will likely be reviewed by a single reviewer, who may or may not be a scientist.

• Expansion of available exemptions means more research is available for review by a non-IRB member.

• When you don't know what you don't know, the unfamiliar is scary. As a researcher, you may need to assume the role of educator with the IRB. You may also find yourself on an unfamiliar side of the autonomy/beneficence tug of war.

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