GCP

IRBs

Institutional Review Board (IRB)

Contents

Clinical Quest

Part 1: What is an Institutional Review Board?

التعريف والغرض

هي لجنة مستقلة تنشئها المؤسسة (جامعة، مستشفى، مركز أبحاث) *IRB*.

هدفها الرئيسي: حماية حقوق وسلامة ورفاهية المشاركين البشر في البحث العلمي أو الطبي.

بعض المؤسسات أو الجهات الممولة تشترط مراجعة *IRB* لكل بحث مهما كان تمويله قبل بدء الدراسة.

2 سلطة *IRB*

لدى *IRB* السلطة القانونية والمؤسسية على كل البحث تحت إشرافها.

لا يجوز لأي دراسة طبية أو سريرية أن تبدأ تسجيل المشاركين قبل موافقة *IRB*.

سلطة *IRB* تشمل:

الموافقة على البحث إذا كان يتوافق مع الأخلاقيات والمعايير العلمية.

رفض البحث إذا كان يمثل خطراً كبيراً أو يخالف القوانين.

إيقاف البحث الجاري إذا ظهرت مشاكل جديدة تهدد المشاركين أو تخالف اللوائح.

3 مراجعة بروتوكول البحث

يمكن لـ *IRB* طلب تعديل البروتوكول البحثي حتى لو كان موافقًا عليه سابقًا.

الهدف: ضمان أن يكون البحث آمنًا وأخلاقيًا وذو قيمة علمية.

4 الموافقة المستنيرة ومعلومات المشاركين

يضمن أن المشاركين يحصلون على كل المعلومات اللازمة لاتخاذ قرار مستنير بالمشاركة *IRB*.

يشمل ذلك:

المخاطر والفوائد المتوقعة.

أي اكتشافات جديدة أثناء البحث قد تؤثر على قرارهم.

يمكن لـ *IRB* أن يطلب:

توثيق رسمي للموافقة المستنيرة.

أو السماح باستثناء التوثيق في حالات معينة.

5 متطلبات المؤسسة

كل مؤسسة تشارك في البحث يجب أن تحدد لجنة *IRB* لمراجعة جميع الدراسات البشرية.

بعض المواقع تخضع لأكثر من *IRB*، في هذه الحالة:

يمكن عمل مراجعة مشتركة، أو

مراجعة منفصلة لكل لجنة، أو

اتباع قرار إحدى اللجان فقط.

🔑 الخلاصة

IRB = لجنة مستقلة تحمي المشاركين في البحث.

لا يمكن بدء البحث قبل موافقة *IRB*.

IRB يضمن:

سلامة وحقوق المشاركين.

صحة وموثوقية البحث العلمي.

حصول المشاركين على المعلومات اللازمة لاتخاذ قرار مستنير.

IRB لديها السلطة للموافقة، تعديل، رفض أو إيقاف البحث.

Clinical Quest

Part 1: What is an Institutional Review Board?

بتسمح / بترفضي إنك تكملي البيت.

An Institutional Review Board (IRB) is an independent body established to protect the rights and welfare of human research participants.

Individual institutions or sponsors may require that all research, no matter how it is funded, be reviewed and approved by an IRB.

An IRB has specific authority over the conduct of research under its jurisdiction. No clinical study may begin enrolling participants until it has received IRB approval.

Part 1: What is an Institutional Review Board?

The IRB has the authority to:

- Approve, disapprove, or terminate all research activities that fall within its jurisdiction under federal regulations and institutional policy.
- Require modifications in protocols, including protocols of previously approved research.

أمثلة ل

باحث يريد تجربة دواء على أطفال دون الحصول على موافقة الأهل.
الـ IRB يرى أن البحث يخالف حقوق المشاركين ويشكل خطراً.
القرار: رفض (Disapprove) البحث حتى تصحيح المخالفات.

3 Terminate (إيقاف البحث الجاري)

مثال:
البحث بدأ بالفعل، والباحث لاحظ أن بعض المشاركين يعانون من أعراض جانبية خطيرة لم يتم ذكرها سابقًا.
الـ IRB يقرر إيقاف البحث فوراً (Terminate) لحماية المشاركين.

4 Require modifications in protocols (طلب تعديل البروتوكول)

مثال:
باحث حصل على موافقة IRB، لكنه أراد إضافة فحص دم إضافي كل أسبوعين.
ترى أن هذا الفحص الإضافي قد يزيد المخاطر على المشاركين IRB.
القرار: السماح بالبحث بعد تعديل البروتوكول ليقلل من المخاطر.

Part 1: What is an Institutional Review Board?

تحكيلك "أعطي المرضى معلومات أكثر".

- Require that participants be given any additional information that will assist them in making an informed decision to take part in research.

- Require documentation of informed consent or allow a waiver of documentation.

as in survey. all info بنتعامل معها بالـ GCP

Allow a waiver of documentation (السماح بإعفاء من التوثيق)
المعنى: في بعض الحالات، يمكن لـ IRB أن يسمح للمشارك بالموافقة شفهيًا أو بطريقة أخرى دون الحاجة لتوقيع رسمي.
مثال:
دراسة استبيان بسيط عبر الهاتف أو الإنترنت.
الإجابة على الأسئلة تعني موافقة المشاركين، بدون الحاجة لتوقيع ورقي.

Clinical Quest

Part 1: What is an Institutional Review Board?

- Every institution that participates in research studies must identify an IRB to review and approve those studies.

- Some research sites are under the jurisdiction of two or more IRBs. In these cases, the IRBs may perform joint review, separate review or agree to abide by the review of one of the involved IRBs.

Part 2: Purpose of an IRB?

الغرض الأساسي من IRB

الـ IRB (Institutional Review Board) موجود أساسًا لضمان:

حماية حقوق وسلامة ورفاهية المشاركين البشر في أي بحث.

التأكد من أن البحث علمي وصالح، مع مقارنة المخاطر مقابل الفوائد قبل السماح به.

🔷 كيف يحقق IRB هذا الهدف؟

1 مراجعة خطة البحث بالكامل

الـ IRB يراجع البروتوكول الكامل للدراسة:

أهداف البحث، طرق جمع البيانات، عدد المشاركين، الإرشادات الأخلاقية.

مثال: باحث يريد تجربة دواء جديد لعلاج الصداع المزمن. الـ IRB يراجع كل خطوات الدراسة للتأكد من سلامة المشاركين وأن البحث منطقي علميًا.

2 تأكيد عدم تعريض المشاركين لمخاطر غير معقولة

التأكد من أن المخاطر المحتملة أقل ما يمكن مقارنة بالفوائد المتوقعة.

مثال: إذا كان الدواء الجديد يمكن أن يسبب آثار جانبية خطيرة، الـ IRB قد يطلب تعديل الجرعات أو طريقة التطبيق لتقليل المخاطر.

3 مراجعة التعويضات أو المكافآت للمشاركين

يراجع IRB إذا كانت المدفوعات أو الهدايا للمشاركين عادلة ولا تؤثر على قرارهم بالمشاركة بطريقة غير أخلاقية.

مثال: تقديم مكافأة مالية صغيرة للمشاركة في استبيان طويل → مقبول.

تقديم مبلغ كبير جدًا قد يُضغط على المشاركين → يحتاج تعديل.

4 المراجعة المستمرة (Continuing Review)

يراقب الدراسة طوال فترة البحث وليس فقط في البداية IRB.

المراجعة تكون على فترات مناسبة حسب درجة الخطر، لكن لا تقل عن مرة في السنة.

يشمل هذا:

مراجعة الأحداث السلبية (Adverse Events).

نتائج مؤقتة أو أي أبحاث جديدة قد تؤثر على الدراسة.

مثال: إذا ظهر تقرير جديد يوضح أن الدواء يسبب تلف الكبد → IRB يقرر تعديل الدراسة أو إيقافها.

5 مراجعة الانتهاكات والشكاوى

يحقق في IRB:

انتهاكات البروتوكول.

شكاوى المشاركين.

أي مخالفات لقوانين المؤسسة.

مثال: مشارك يشتكي أنه لم يُبلغ بالمخاطر المحتملة للدواء → IRB يحقق ويطلب إجراءات تصحيحية.

6 مراجعة التعديلات المقترحة للدراسة

أي تغييرات على الدراسة يجب أن يوافق عليها IRB قبل التنفيذ.

مثال: الباحث يريد إضافة فحص دم أسبوعي جديد → IRB يدرس المخاطر ويقرر إذا كان التعديل مقبولًا.

7 إيقاف أو إنهاء البحث

يمكن لـ IRB تعليق أو إنهاء البحث إذا:

لم يتم الالتزام بمتطلبات IRB.

حدثت مخاطر غير متوقعة أو ضرر خطير للمشاركين.

معلومات جديدة تغير تقييم المخاطر والفوائد.

مثال: دواء تجريبي يسبب تسمم شديد لبعض المشاركين → IRB يوقف البحث فورًا.

🔑 الخلاصة بالعربي

IRB يحمي المشاركين ويضمن البحث العلمي.

مراقبة مستمرة: لا تقتصر المسؤولية على بداية البحث فقط، بل على طول فترة الدراسة.

قرارات IRB:

الموافقة، تعديل البروتوكول، المراقبة المستمرة، أو الإيقاف/الإنهاء عند الضرورة.

Clinical Quest

Part 2: Purpose of an IRB?

The purpose of an IRB is to safeguard the rights, safety, and well–being of all human research

Participants primarily

And

Ensuring that there is a scientific validity to the research and weighing risks vs benefits.

Part 2: Purpose of an IRB?

The IRB fulfills this purpose by:

- Reviewing the full study plan (IRB responsibilities for the documents which comprise a full protocol) for a research study.

- Confirming that the research plans do not expose participants to unreasonable risks.

- Reviewing and approving proposed payments or other compensation to study participants.

Part 2: Purpose of an IRB?

- Ensuring that human participant protections remain in force throughout the research by conducting continuing review of approved research. This continuing review is conducted at intervals appropriate to the degree of risk posed by each study, but not less frequently than once a year.

- Considering adverse events, interim findings, and any recent literature that may be relevant to the research.

- Assessing suspected or alleged protocol violations, complaints expressed by research participants, or violations of institutional policies.

- Reviewing proposed changes to previously approved studies.

Clinical Quest

Part 2: Purpose of an IRB?

The IRB may suspend or terminate ongoing research that:

- Is not being conducted in accordance with IRB requirements, or
- Is associated with unexpected or serious harm to participants.

The IRB may also suspend or terminate research when additional information results in a change to the study's likely risks or benefits.

Part 3: Membership of an IRB

مين لازم يكون جزء من هالـ IRB ؟ يعني إذا بدك تكون لجنة لتحديد هل هذا البحث أخلاقي + بتطبق المبادئ الخمسة GCP

- بتكونوا اللجنة من عدد فردي/زوجي؟ فردي حتى مايكون التصويت متساوي وأقل عدد 5.
- بتحبوا مين إلا تخصصات اللي موجودين فيها؟
  - يعرفوا قوانين GCP (ممكن محامي)
  - يعرفوا معلومات عن المجتمع حتى يكون representative of society.
  - لازم يكونوا دارسين أشي بالمجال الطبي و بعض الناس العاديين حتى يمنعوا الـ bias.

أعضاء *IRB* – التكوين والمتطلبات

1 التنوع في العضوية

الـ *IRB* يجب أن يكون متنوعًا من حيث:

العلماء وغير العلماء

العرق، الجنس، الثقافة

مثال: لا يجوز أن تتكون اللجنة بالكامل من رجال فقط أو نساء فقط، أو من نفس التخصص العلمي فقط.

2 الأعضاء العلماء *(Scientists)*

يمكن أن يكونوا: باحثين، أطباء، علماء نفس، ممرضين، أو متخصصين في الصحة النفسية.

وظيفتهم: تقييم الجوانب العلمية والطبية والسلوكية للدراسة.

مثال: طبيب أو باحث يراجع دراسة دواء جديد للتأكد من سلامة المشاركين والجدوى العلمية.

3 الأعضاء غير العلماء *(Non-Scientists)*

يمكن أن يكون لديهم خبرة مع فئات معينة من الناس مثل:

النساء الحوامل

الأطفال

السجناء

الأشخاص ذوي الإعاقة أو التحديات الذهنية

وظيفتهم: تقديم منظور غير علمي حول حقوق ورفاهية المشاركين.

مثال: شخص يعمل مع الأطفال يساعد اللجنة على فهم المخاطر التي قد يتعرض لها الأطفال المشاركون.

4 عدد الأعضاء

الحد الأدنى: *5* أعضاء

يمكن أن يكون العدد أكبر حسب الحاجة لتقييم كل جوانب البحث.

5 أعضاء مستقلون وغير مرتبطين بالمؤسسة

يجب أن يكون هناك عضو واحد على الأقل غير مرتبط بالمؤسسة أو موقع الدراسة.

الهدف: تقديم رأي مستقل بدون تحيز أو تأثير من الجهة الراعية للبحث.

6 الأعضاء المتخصصون في الفئات الضعيفة *(Vulnerable Populations)*

إذا كان البحث يشمل فئات ضعيفة مثل: الأطفال، الحوامل، السجناء، أو ذوي الإعاقات، يجب أن يكون هناك عضو أو أكثر لديهم خبرة في التعامل مع هذه الفئات.

هؤلاء الأعضاء يمكن أن يكونوا أعضاء دائمين أو بدلاء.

مثال: دراسة عن تأثير دواء جديد على الأطفال → عضو لديه خبرة بالتعامل مع الأطفال يكون حاضراً ويصوت في اللجنة.

7 تجنب تضارب المصالح *(Conflict of Interest)*

أي عضو لديه مصلحة شخصية في البحث لا يحق له المشاركة في المراجعة أو التصويت على الدراسة.

يمكن للعضو تقديم معلومات فقط إذا طلبت اللجنة.

مثال: باحث مشارك في الدراسة لا يشارك في التصويت أو المناقشة أثناء مراجعة بحثه.

8 الأعضاء غير المصوتين *(Non-Voting Members / Consultants)*

يمكن لـ *IRB* دعوة خبراء خارجيين لتقديم المشورة في مواضيع متخصصة.

هؤلاء الأشخاص لا يحق لهم التصويت إلا إذا كانوا متخصصين في حماية الفئات الضعيفة ويجب تسجيلهم كأعضاء على لوحة *IRB*.

Clinical Quest

Part 3: Membership of an IRB

- An IRB must have a diverse membership that includes both scientists and non-scientists.
- Scientist members may include researchers, physicians, psychologists, nurses, and other mental health professionals.
- Nonscientist members of an IRB may have special knowledge of a certain population (pregnant women, children, or prisoners).
- Collectively, IRB members must have the qualifications and experience to review and evaluate the scientific, medical, behavioral, social, legal, and ethical aspects of a proposed study.

Clinical Quest

Part 3: Membership of an IRB

- An IRB must have at least five members. However, it may have as many members as necessary to perform a complete and adequate review of research activities.

Diversity of Membership depends on society to be representive.

- IRB membership must be diverse in terms of race, gender, and cultural heritage.

- Members must be sensitive to issues such as community attitudes.

Part 3: Membership of an IRB

- Every effort must be made to ensure that no IRB consists entirely of men or entirely of women. However, no one can be appointed to an IRB solely on the basis of gender.
- No IRB may consist entirely of members of one profession.
- Each IRB should include at least one member whose primary concerns are in scientific areas and one member whose primary concerns are in non-scientific areas.
- Each IRB should include at least one member who is not affiliated with the institution or study site

Clinical Quest

Part 3: Membership of an IRB

The International Council for Harmonisation of Technical Requirements of Pharmaceuticals for Human Use (ICH) is a unique harmonization organisation involving regulators and the pharmaceutical industry. • Launched in 1990 by the US, EU, and Japan.

the U.S. Food and Drug Administration (FDA) is not only in the USA; while it is a U.S. government agency, it has offices and personnel located internationally to ensure products manufactured in other countries are safe for sale in the United States.

ICH	FDA
Minimum 5 members	Minimum 5 members
Minimum 1 member with scientific background	At least 1 scientific & 1 non-scientific
1 member not affiliated with any institution	1 member not affiliated with any institution
Independent of sponsor to provide opinion	Diverse (race, gender, culture, vulnerable population representative)
	No conflict of interest

Clinical Quest

Part 3: Membership of an IRB

السكان الضعفاء

Knowledge of Vulnerable Populations

- If the IRB reviews research that involves vulnerable populations — such as children, prisoners, pregnant women, or disabled or cognitively impaired persons — its membership should include one or more persons who are knowledgeable about and/or experienced in working with these populations.

- The individuals specializing in vulnerable populations may be fulltime voting members or alternates to fulltime voting members.

Part 3: Membership of an IRB

Conflicts of Interest

- No IRB member may participate in the review of any project in which he or she has a conflicting interest, except to provide information requested by the IRB.
- An investigator may be a member of an IRB. However, the investigator (or any other IRB member) cannot participate in the review or approval of any research in which he or she has a current or potential conflict of interest.
- The investigator should be absent from the meeting room while the IRB discusses and votes on the research in which he or she has an interest.

Part 3: Membership of an IRB

Non-Voting Members

بسألهم لأنهم خبراء وبفهموا بهذا الموضوع لكن ما بصوتوا مع اللجنة

- The IRB may invite individuals with competence in special areas to assist in the review of issues that require expertise beyond or in addition to that of the IRB members.
- These consultants are not voting members of the IRB. However, when research involves vulnerable populations, individuals specializing in these areas must be voting members of an IRB and maintained on the IRB roster accordingly.

Interactive: Assemble Your IRB

A multisite clinical study package (including the protocol, informed consent forms, recruitment materials, and other related documentation) is being submitted for IRB approval. This US-based study is to assess the efficacy of BioMedXYZ's drug for Attention Deficit Hyperactivity Disorder in children ages 7 to 15.

Clinical Quest

Interactive: Assemble Your IRB

From a list of eight, choose the most appropriate candidates as members of the IRB and ensure that the composition of the IRB meets the minimum criteria outlined for clinical research in the U.S.

- Each candidate has a bio or biography to review. After reviewing the candidates' bios determine if they are right for this clinical study.
- Choose a total of five voting members and one non-voting expert for consultation
- ‘must have’ criteria : (1) diversity, (2) a non-scientific member, and (3) a non-affiliated member.
- Be careful to avoid any conflict of interest with the chosen candidates.

Interactive: Assemble Your IRB

Listed below are the candidates for the IRB, including names, credentials, current title, and a brief bio on the candidate's background and expertise.

المرشّح الأول.

Candidate 1: Juan Telmo, PhD - Statistical Scientist

Juan has an MS degree in Data Analytics, with a concentration in Statistics, and PhD degree in Statistical Science. He has been a statistical scientist working for the past 5 years at BioMedXYZ firm that develops medical devices. He has expertise in statistical theory, methods, analyses, device development, and clinical research.

يشتغل بشركة الدواء ← Conflict of interest ← مايأخذه.

Interactive: Assemble Your IRB

Candidate 2: Tomer Teivel, RN - Social Worker

Tomer had a rough start in life, his mother was an alcoholic when he was a child. He found his passion helping people dealing with addiction. He earned his MS degree in social work and obtained his social worker license (LCSW). He has worked for the past 12 years in schools, hospitals, and other agencies and also in community drug treatment programs. Previously, Tome had participated in numerous research studies involving participant drug use. He has expertise in mental health treatment, research, families, and community.

بحطه Stand by (يعني بتخلي ع جنب حتى أشوف إذا في غيره).

Interactive: Assemble Your IRB

Candidate 3: Lilith O'Conner, BS - Teacher

For the past 3 years, Lilith has worked as a Teacher at the local Elementary School. She serves as the
Youth Committee Secretary for the local Community Center and is a teacher representative for the local
Board of Education. Lilith has expertise in children, education, and community. She earned her BS degree
in Psychology and Early Childhood Education.

Candidate 4: Carla Fox, JD, MHA - Ethicist

Carla earned her JD and MHA degrees in Health Care Law. She serves as Chairperson on the local chapter for the Board of Bioethics in Hospital Administration. She also works as a lawyer for healthcare organizations. Carla has expertise in health policy, bioethics law, and community engagement.

Clinical Quest

Interactive: Assemble Your IRB

Candidate 5: Brian Bradford, MD - Pediatrician

Brian attended medical school, completed residency in a children's hospital, and obtained his medical licensure. He is a partner pediatrician in general practice for 20 years. He has expertise in pediatrics and clinical care.

Candidate 6: Dorian Picard, MD - Therapist

Dr. Picard earned a PhD in behavioral therapy and has been working in both the hospital and private sector for the last 15 years, specializing in children and adolescent behaviors with a special interest in ADHD. Due to his schedule he has limited availability.

Interactive: Assemble Your IRB

Candidate 7: Dung Nguyen, MPH - Policy Analyst

Ms. Nguyen obtained a Master's degree of Public Health and Policy and now works as a management policy analyst at a firm that advises hospital and legislative administrators on health care policies. She has expertise in public health policies, epidemiology research, and biostatistics.

Candidate 8: Manfred Howard - Minister

Manfred was formerly incarcerated in the state criminal justice system. He is now a minister at the local church. He's worked for 6 years as an advocate for adults leaving the prison system and transitioning-to work programs. He has expertise in prisoners and community.

Interactive: Assemble Your IRB

Let's consider the feedback for the Non-Voting Member.

- One candidate has a conflict of interest – he works for BioMedXYZ. He would not be an appropriate choice for the IRB. That candidate is Juan Telmo, PhD.
- Additionally, while Manfred Howard may be an expert in his field, he is not a good choice in this case because his area of expertise is adults and prisoners.

Interactive: Assemble Your IRB

Several candidates would serve the IRB best as a voting member instead of a non-voting member for consultation.

For example, Tomer Teivel, RN, works in environments that cater to the age group targeted for the study. He would serve the IRB better as a voting member as well as Lilith O'Conner, BS, because she has experience in early childhood education and expertise working with the target study population.

Carla Brown, PhD, has legal experience and serves on a board of bioethics and Dr. Brian Bradford has a pediatric medical practice. Dung Nguyen, MPH, has expertise in epidemiology research and biostats. These candidates will be a good fit for the IRB as voting members.

That leaves one candidate who is a good choice to be added to the IRB as an advisor and a non-voting member, Dorian Picard, MD. His expertise is in children and adolescents with ADHD. However, his busy schedule only allows for limited availability. So, he has agreed to be available for expert advice only.

Interactive: Assemble Your IRB

Now, consider the feedback for the ideal candidates to serve as voting members of the IRB for this clinical trial.

Several candidates have experience working directly with the age group targeted for the study – Tomer Teivel has additional experience in drug treatment and research, Lilith O'Conner has experience in early childhood education, and Dr. Brian Bradford has a pediatric medical practice.
Another candidate has legal experience and serves on a board of bioethics, Carla Brown.
Having regulations and ethics covered, the final ideal voting member has expertise on epidemiology research and biostatistics, Dung Nguyen.
Each of these candidates would serve the IRB well as voting members.

Interactive: Assemble Your IRB

Conversely, there a few candidates that are not ideal to serve on the IRB as voting members.

- Dr. Telmo has a conflict of interest. He works for BioMedXYZ, the pharmaceutical company supplying the drug for the study.
- While Manfred Howard may be an expert in his field, he is not a good choice in this case because his area of expertise is adults and prisoners.
- Dr. Picard would be a great addition to the IRB; however, his schedule does not allow him to commit to being a voting member of the team.

Part 4: Responsibilities of an IRB

Part 4: Responsibilities of an IRB

The principal responsibilities of an IRB include the following:

1. **Provision of an Infrastructure to Support the Ethical Review of Proposed and Ongoing Research**

This infrastructure includes the following IRB processes:

- Perform its functions according to written operating procedures.
- Maintain written records of its activities and minutes of its meetings.
- Comply with all applicable federal and state regulatory requirement(s).
- Should review a proposed clinical trial within a reasonable timeframe.

Part 4: Responsibilities of an IRB

- Make its decisions at announced meetings at which a quorum is present.

- Retain all relevant records (e.g., written procedures, membership lists, lists of occupations/affiliations of members, submitted documents, minutes of meetings, and correspondence) for a period of at least 3 years after completion of a study and make them available upon request from any regulatory authority.

- Notify investigators promptly in writing of its decisions, stating the reasons for those decisions and noting the procedures for appeal

Part 4: Responsibilities of an IRB

2. Reviewing and Understanding the Full Plan of Study

To provide a full review, the IRB should obtain the following documents (examples of information included in a full plan of study):

- Study protocol(s) and protocol amendment(s).
- Written Informed Consent Form(s) and consent form updates that the investigator proposes to use.
- Documents and other media relating to participant recruitment procedures (e.g., advertisements).
- Written information to be provided to participants including questionnaires and explanatory materials.

Part 4: Responsibilities of an IRB

- Information about payments and compensation available to participants.
- Investigator's Brochure.
- Available safety information, including references to relevant literature.
- Investigator's current curriculum vitae and/or other documentation that provides evidence of the investigator's qualifications.
- Any other documents needed to fulfill the IRB's responsibilities

Part 4: Responsibilities of an IRB

3. Keeping a Written Record of IRB Decisions

The following written records should be kept pertaining to an IRB's review of a proposed study:

- Identification of the study.
- List of documents reviewed.
- Decision reached:
  - Approval.
  - Disapproval.
  - Rationale for disapproval.
- Termination or suspension of prior approval.
- Date decision was reached.
- Correspondence with the investigator.

Part 4: Responsibilities of an IRB

4. Considering the Investigator's Qualifications

The IRB should consider the qualifications of the investigator for the proposed study, as documented by a current curriculum vitae or other relevant documentation.

5. Conducting Continuing Review of Ongoing Studies

The IRB conducts continuing review of each ongoing study at intervals appropriate to the degree of risk to human participants. By regulation, this interval must be at least once per year.

6. Requesting More Information When Necessary

The IRB may request more information to assist in their review. One of the reasons for such a request would be when the IRB judges that the additional information would add meaningfully to the protection of the rights, safety, or well-being of participants.

Part 4: Responsibilities of an IRB

7. Reviewing Incentives for Participation

Payment to participants for their participation in a research study must never be coercive in either amount or method of distribution.

The IRB should review both the amount and method of payment to participants to assure that neither exerts undue influence on study participants.

Payments to participants should be prorated (divided in a proportional manner) and not entirely contingent on a participant's completion of the study (no large, consolidated payment at the end).

Part 4: Responsibilities of an IRB

The IRB should confirm that information regarding payment to participants, including the methods, amounts, and schedule of payments to study participants, is justified by the protocol and set forth in the written Informed Consent Form and any other written information provided to participants. The way payment will be prorated should be specified.

Some IRBs have written requirements concerning what is adequate compensation for study participants. Investigators should be familiar with these requirements before submitting a protocol to the IRB for approval.

Part 5: Criteria for IRB Approval of Research

Part 5: Criteria for IRB Approval of Research

The **Belmont Report**, the report of the National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research established three key principles that underlie the current system of human research protections:
Respect for persons,
Beneficence (do no harm/maximize possible benefits and minimize possible harms), and
Justice.
These principles are the basis for the criteria for Institutional Review Board (IRB) approval of research (Reference: The Belmont Report).

Select from the three principles as they relate to the given criteria and descriptions:

A. Respect
B. Beneficence
C. Justice

Part 5: Criteria for IRB Approval of Research

Criteria 1: Risks to Participants are Minimized
The IRB should ensure that procedures used in the proposed research are consistent with sound research design, that they do not expose participants to risk unnecessarily, and, when appropriate, involve diagnostic or treatment procedures that pose no further risk.

Feedback: Which of the three principles relates to this criterion: Respect, Beneficence, or Justice?

This criterion relates to the principle of beneficence in the Belmont Report.

Part 5: Criteria for IRB Approval of Research

Criteria 2: Risks to Participants are Reasonable in Relation to Anticipated Benefits

The IRB should consider only risks and benefits that may result from the research, as distinct from risks and benefits of therapies participants would receive even if they were not participating in the research.

The IRB should not consider the possible long-range effects of applying the knowledge gained in the research.

Feedback: Which of the three principles relates to this criterion: Respect, Beneficence, or Justice?

This criterion relates to the principle of beneficence in the Belmont Report.

Part 5: Criteria for IRB Approval of Research

Criteria 3: Selection of Participants is Equitable

No single gender or racial, ethnic, or socioeconomic group should disproportionately carry the burden or reap the benefits of the research. The IRB should ensure that the gender and racial, ethnic, and socioeconomic status of the participants of a research study match as closely as possible to that of the persons expected to benefit from the research.

The IRB should also be mindful of the special challenges of research involving vulnerable populations, such as children, prisoners, pregnant women, mentally disabled persons, or economically or educationally disadvantaged persons.

Feedback: Which of the three principles relates to this criterion: Respect, Beneficence, or Justice?

This criterion relates to the principle of justice in the Belmont Report.

Clinical Quest

Part 5: Criteria for IRB Approval of Research

Criteria 4: Informed Consent is Properly Obtained and Documented

The IRB must review the informed consent form and ensure that Informed Consent is sought from each prospective participant or from the participant's legally authorized representative.

The IRB must also ensure that the process of obtaining Informed Consent is properly documented.

Adequate provision is made for monitoring the data collected to ensure the safety of participants.

The IRB must review the plans for data collection, storage and analysis and for ensuring participant safety. This includes the plan for capturing and reporting information about adverse events.

Part 5: Criteria for IRB Approval of Research

Criteria 4 (cont)

Complex or high-risk studies may be required to have a data and safety monitoring plan.

Some sponsors may require all studies to have a data safety monitoring plan. For example, in the Clinical Trials Network, all studies must have a data and safety monitoring plan and be monitored by a Data and Safety Monitoring Board.

Feedback: Which of the three principles relates to this criterion: Respect, Beneficence, or Justice?

This criterion relates to the principle of respect for persons in the Belmont Report.

Part 5: Criteria for IRB Approval of Research

Criteria 5: Adequate Provision is Made to Protect Participants' Privacy and Maintain the Confidentiality of Data
Protection of participants' privacy.

The IRB must consider whether the research involves an invasion of privacy.

Factors to be considered include:

- The private or sensitive nature of the information sought.
- The likelihood that participants will regard the study as an invasion of privacy.
- The importance of the research.
- The availability of alternative ways to conduct the study.

Part 5: Criteria for IRB Approval of Research

Confidentiality of data.

IRBs must evaluate whether adequate provisions exist to safeguard the confidentiality of information that is collected.

Feedback: Which of the three principles relates to this criterion: Respect, Beneficence, or Justice?

This criterion relates to the principle of respect for persons in the Belmont Report.

Part 5: Criteria for IRB Approval of Research

Criteria 6: Additional Safeguards are Included for Vulnerable Populations

Some individuals' willingness to volunteer in a clinical trial may be unduly influenced by the expectation, whether justified or not, of benefits associated with participation, or by actual or perceived coercion by persons in positions of authority. Examples of such vulnerable populations include:

- Children.
- Prisoners.
- Pregnant women.
- Mentally disabled persons.
- Economically or educationally disadvantaged persons.
- Patients with incurable diseases.
- Patients in emergency situations.

Part 5: Criteria for IRB Approval of Research

- Medical, nursing, dental, and pharmacy students.
- Subordinate hospital personnel.
- Members of the armed forces.

When some or all of a study's participants are likely to be drawn from a vulnerable population, the IRB must ensure that appropriate additional safeguards are included in the study to protect the rights and welfare of these participants

Part 5: Criteria for IRB Approval of Research

. Such additional safeguards may include:

- Heightened monitoring of the informed consent process. In some cases, the IRB may wish to approve the enrollment of each participant in the study.
- Changes to the composition of the IRB. For example, when research involving prisoners is being reviewed, at least one voting member (or Alternate) of the IRB must be a prisoner or a prisoners' representative with appropriate background and experience to serve in that capacity.
- If a particular research project is under the jurisdiction of more than one IRB, each IRB of record needs to satisfy this requirement.

Feedback: Which of the three principles relates to this criterion: Respect, Beneficence, or Justice?

This criterion relates to the principle of Beneficence and Respect for persons in the Belmont Report.

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Part 6: Expedited Review

Part 6: Expedited Review

An IRB may use an expedited review procedure for research that:

- Involves no more than minimal risk and
- Falls into a category that appears on an approved list of categories of research eligible for expedited review.

An IRB may also use expedited review to approve minor changes in previously approved research that are made during the period (1 year or less) for which the approval is authorized.

The IRB must have written procedures that specify how an expedited review will be conducted.

Part 6: Expedited Review

An expedited review (which may involve less waiting time for IRB approval) may be carried out by the IRB chairperson or by one or more experienced IRB members designated by the chairperson.

The reviewers may exercise all of the authorities of the IRB except that of disapproving the research.

A proposal submitted for expedited review may be disapproved only by the full IRB.

Part 6: Expedited Review

Research Eligible for Expedited Review

- Collection of hair or baby teeth.
- Collection of external secretions, including sweat and saliva.
- Recording of data from adults using noninvasive procedures that are routinely employed in clinical practice (not including exposure to electromagnetic radiation outside the visible range, for example, x-rays or microwaves.)
- Collection of blood samples by venipuncture.
- Voice recordings made for research purposes, such as investigations of speech defects.
- Moderate exercise by healthy volunteers.
- **Study of existing data, documents, records, pathological specimens, or diagnostic specimens.**

Part 7: Investigators' Responsibilities to the IRB

Part 7: Investigators' Responsibilities to the IRB

The investigator must:

- Ensure that the IRB receives all the documents it requires to review the proposed research.
- Admit no participant to a study before the IRB has issued its written approval of the study.
- Make no changes to or deviations from the study protocol without prior written approval from the IRB, except when necessary to eliminate immediate hazards to participants.
- Report promptly to the IRB:
  - Changes to or deviations from the protocol, including changes made to eliminate immediate hazards to study participants.
  - Changes that increase the risk to participants or significantly affect the conduct of the study.
  - All adverse drug reactions that are both serious and unexpected.
  - New information that may adversely affect the safety of participants or the conduct of the study.

Part 7: Investigators' Responsibilities to the IRB

Reporting requirements may vary, and it is the investigator's responsibility to know the individual reporting requirements of each IRB involved with the research study.

For example, an IRB may require that every serious adverse drug reaction be promptly reported, whether it was unexpected or not.

Responsibilities (cont.)

- Respond in a timely fashion to all requests from the IRB for additional information about a research study.
- Submit progress reports to the IRB annually, or more frequently, if requested by the IRB, and submit a final report to the IRB when the study is completed or terminated.

Part 8: IRBs and Multi-Site Research

Part 8: IRBs and Multi-Site Research

Multi-site trials are characterized by the involvement of multiple institutions and study sites engaged in a single research study.

When a research study involves more than one institution, each institution is responsible for safeguarding the rights and well-being of research participants at that institution.

With the implementation of the NIH policy on Use of a Single Institutional Review Board for Multi-Site Research (effective May 25, 2017), multi-institutional research in the U.S. involving non-exempt human participants will use a single IRB. Based on 45 CFR 46.114, the use of a single IRB allows for a more streamlined IRB review and increases efficiencies while maintaining the protection of human study participants (NIH Office of Extramural Research, 2016).

Part 9: Summary of Key Points

- The purpose of an Institutional Review Board (IRB) is to safeguard the rights, safety, and wellbeing of all human research participants.
- Any research involving human participants must be reviewed and approved by an IRB.
- Any clinical investigation involving a product regulated by the FDA must be reviewed and approved by an IRB.
- An IRB has the authority to approve or disapprove all research activities that fall within its jurisdiction. It may disapprove a research project with a request for modification. It also has the authority to suspend a research study that it previously approved.
- All previously approved ongoing research must be reviewed by an IRB at least once a year to determine whether approval should be continued.
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Clinical Quest

Part 9: Summary of Key Points

- Every institution, that participates in a clinical study must identify all IRBs that have jurisdiction to review and approve the protocol.
- To approve a research protocol, the IRB must ensure that:
  - Risks to participants are minimized.
  - Risks to participants are reasonable in relation to anticipated benefits.
  - Selection of participants is equitable.
  - Informed consent is properly obtained and documented.
  - Adequate provision is made for monitoring the data collected to ensure the safety of participants.
  - Adequate provision is made to protect participants and maintain confidentiality of data.
  - Additional safeguards are included for vulnerable populations