Duke MARGOLIS CENTER for Health Policy

Comparative Analysis of Bioethical Considerations in Real-World Mental Health Data Regulation

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Background

REAL-WORLD DATA IN PRECISION MENTAL HEALTH CARE

An estimated 20% of adults in the US live with mental illness. Across disorders and treatments, pharmacotherapies often have small effect sizes for target symptoms. In light of the need for improved treatment efficacy, reduced adverse effects in the treatment of mental disorders, and targeted therapies, the use of Real-World Data (RWD) in clinical and pharmaceutical settings has risen. Real-world mental health data can draw from EHRs, biobanks, claims data, registries, and wearables to offer a more comprehensive view of patient outcomes in their demographic, clinical, and/or genetic contexts.

ESTABLISHING THE FRAMEWORK: HEALTH DATA REGULATIONS AND MENTAL HEALTH ETHICS IN FOCUS

Health data regulations are foundational to ensuring the privacy and integrity of sensitive information, with particular significance in the domain of mental health data. As the custodians of patient well-being continue to navigate the evolving landscape of healthcare, two pivotal regulations, HIPAA and GDPR, stand as pillars in safeguarding health data. Recognizing the profound impact of technological advancements, this research delves into the critical intersection of health data regulations and mental health ethics.



The overarching objective of this research was to rigorously evaluate current health data regulations, focusing specifically on

Results

Our comparative analysis of HIPAA and GDPR provisions on mental health data reveals distinct regulatory approaches with profound implications for the safeguarding of sensitive information. HIPAA, focusing primarily on health information within the U.S., defines mental health data implicitly within the broader category of PHI. In contrast, GDPR, extending its global reach, classifies mental health data under "Special Categories of Personal Data," showcasing a comprehensive approach to the unique sensitivity of mental health information. GDPR grants individuals enhanced data subject rights: the right to be forgotten, data portability, and the right to object to processing, providing a more nuanced control over personal mental health data. On the other hand, HIPAA emphasizes the minimum necessary use and disclosure of PHI, showcasing a cautious yet domestically centered approach. The security requirements of GDPR, coupled with stringent breach notification mandates, underscore its commitment to safeguarding mental health data on an international scale.

Domain	HIPAA	GDPR
Scope	Covers health information in the	Applies to personal data in the
	U.S.	European Union and beyond
Definition of	Defines Protected Health	Defines "Special Categories of
Mental Health	Information (PHI) but doesn't	Personal Data," explicitly
Data	explicitly specify mental health	mentioning mental health data
	data	
Consent	Requires informed consent for	Emphasizes explicit consent and
Requirements	the use and disclosure of health	provides specific requirements for
	information	sensitive data, including mental
		health information
Data	Promotes the minimum necessary	Encourages data minimization,
Minimization	use and disclosure of PHI	limiting the processing of personal
		data to what is necessary
Data Subject	Grants individuals the right to	Provides enhanced rights, includin
Rights	access their health information	the right to be forgotten, the right t
	and request corrections	data portability, and the right to
		object to processing
Security	Requires covered entities to	Mandates a higher level of security
Requirements	implement safeguards to protect	measures and breach notification
	health information	requirements
International	Generally does not address	Requires mechanisms such as
Transfer	international data transfers	Standard Contractual Clauses for
	explicitly	transferring data outside the EU
Penalties for	Imposes civil and criminal	Imposes severe fines, up to 4% of
Non-compliance	penalties for violations	annual global turnover or €20
	-	million, whichever is greater
Purpose	Limits the use or disclosure of	Requires that personal data be
Limitation	PHI to the minimum necessary	collected for specified, explicit, an
	for the intended purpose	legitimate purposes, and not furthe
		processed in a manner incompatibl
		with those purposes
Accountability	Emphasizes the need for covered	Requires organizations to
and Governance	entities to have policies and	demonstrate compliance,
	procedures in place to ensure	implement data protection policies
	compliance	and conduct impact assessments,
		promoting accountability
Data Breach	Mandates covered entities to	Requires organizations to report
Notification	notify affected individuals, the	data breaches to the supervisory
	Secretary of Health and Human	authority within 72 hours, and in
	Services, and, in some cases, the	certain cases, notify affected
	media in the event of a breach	individuals
Children's Data	Contains provisions for the	Requires special protection for
	protection of the privacy of	children's data and may necessitate
	minors' health information	parental consent for processing
		such data

Discussion

The findings underscore the need for a nuanced understanding of how regulations address mental health data in an increasingly globalized landscape. GDPR's expansive scope and robust data subject rights reflect a comprehensive approach to privacy, demanding a reevaluation of how U.S. regulations such as HIPAA adapt to international standards. The emphasis on explicit consent in GDPR contrasts with HIPAA's focus on informed consent, highlighting the evolving expectations for transparency in data processing. These differences necessitate ongoing discussions regarding harmonization of global privacy standards and the potential impact on healthcare practices.

Implications & Recommendations

IMPLICATIONS OF FINDINGS:

The implications of our research extend to policymakers, healthcare practitioners, and stakeholders navigating the intersection of mental health data, technology, and ethics. Policymakers must consider potential adjustments to domestic regulations to align with international standards. Healthcare practitioners need to be aware of the divergent requirements under HIPAA and GDPR, ensuring compliance and ethical practices in the increasingly interconnected healthcare landscape. Stakeholders should engage in ongoing dialogues to shape evolving regulations that balance patient privacy, technological innovation, and global data exchange.

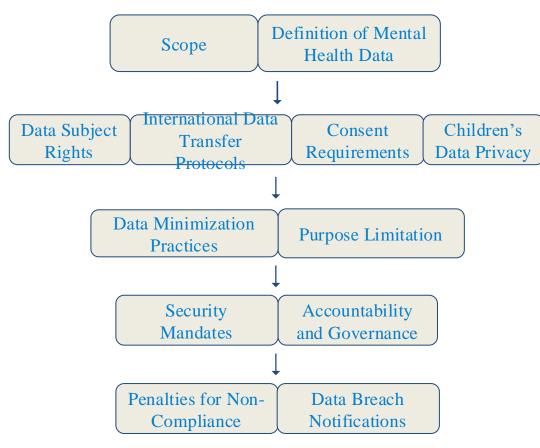
POLICY RECOMMENDATIONS:

• There is a pressing need for a harmonized approach to

their adaptability to the rapid evolution of technological capabilities. By scrutinizing the effectiveness of existing

Methods

the ethical use of mental health data within an era dominated by Quranteethed logging volved a targeted analysis of specific aspects of health data regulations, focusing on the contrasting features of HIPAA and GDPR. To achieve this, we systematically reviewed legal documents pertinent to HIPAA and GDPR, extracting key details related to 12 domains:



This comprehensive examination ensured a detailed understanding of how each regulation addresses these critical dimensions, forming the basis for our subsequent comparative analysis.

References

Office for Civil Rights. "HIPAA for Professionals." *HHS.Gov*, 16 Aug. 2021, www.hhs.gov/hipaa/for-professionals/index.html.

"What Is GDPR, the EU's New Data Protection Law?" *GDPR.Eu*, 14 Sep. 2023, gdpr.eu/what-is-gdpr/.

mental health data regulations globally, considering the interconnected nature of healthcare and data exchange.

- Policymakers should explore mechanisms for aligning domestic with international standards, fostering a unified framework for mental health data protection.
- Continuous efforts should be made to enhance transparency and consent mechanisms, acknowledging growing expectations for control over personal data.
- Policymakers should consider ongoing education initiatives for healthcare practitioners to ensure a comprehensive understanding of the evolving regulatory landscape and its implications for the ethical use of mental health data.



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