



# HIPAA DATA SHM/EDM COMPLIANCE COURSE

*How to Make Your Data HIPAA-Compliant, and Prove It*

## Course Overview

The Health Insurance Portability and Accountability Act of 1996 (HIPAA) federalized data privacy and security rules for safeguarding medical information. The Safe Harbour Method requires that 18 key identifiers be encrypted or otherwise de-identified, while the Expert Determination Method (EDM) requires that anonymized datasets containing Protected Health information (PHI) have a statistically “very small” likelihood of re-identifiability.

This three-hour online course covers IRI de-identification and risk scoring processes applied to a set of structured PHI data containing key and quasi-identifiers, as well as professional services related to compliance certification, breach insurance, and breach claim defense.

Topic	Instructors	Duration
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<b><i>PHI Discovery &amp; De-ID</i></b>	<i>Claudia Irvine &amp; David Friedland</i>	<i>1 Hour</i>
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Use [IRI FieldShield](#) software front-ended in Eclipse to perform [data discovery](#) (multi-method search, profiling, and classification), and [de-identification](#) of key identifiers (with an audit log).

<b><i>Re-ID Risk Scoring</i></b>	<i>Dmitry Kulakov</i>	<i>30 Minutes</i>
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Use the risk scoring [wizard](#) in the same Eclipse IDE with FieldShield to apply peer-reviewed algorithms that score the likelihood of re-identification in prosecutor, journalist, and marketer attack scenarios based on the uniqueness and separation values of quasi-identifiers in the data.

<b><i>Expert Determination</i></b>	<i>John D. Cook, PhD</i>	<i>30 Minutes</i>
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Apply professional acumen in the use of, and judgement from, the IRI risk score report, and learn what an expert determination entails from a seasoned HIPAA re-ID risk statistician.

<b><i>PHI Generalization</i></b>	<i>David Friedland &amp; Dmitry Kulakov</i>	<i>30 Minutes</i>
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Apply FieldShield “smart noise” and/or generalization functions to blur quasi-identifiers in the data so they are less unique (and score better), but can still be used for research and marketing.

<b><i>Legal Counsel</i></b>	<i>Eleanor (Miki) A. Kolton, Esq.</i>	<i>30 Minutes</i>
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Gain a regulatory and litigational perspective on HIPAA compliance / certification in this context, and advice on insurance coverage and breach defense from an expert attorney in the field.

# HIPAA Data Compliance Course | Instructor Overviews



**Claudia Irvine**

IRI SSE



**David Friedland**

IRI SVP



**Dmitry Kulakov**

IRI ESE

IRI, The CoSort Company, is a data management and protection ISV founded in 1978. IRI provides proven technology for locating, de-identifying, risk-scoring, and further anonymizing protected health information in databases and other structured sources. IRI has partnered with leading statistical and legal experts to offer this end-to-end data compliance course for HIPAA-covered entities and business associates who need to use PHI in marketing or research scenarios.

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**John D. Cook, PhD**

John is a consultant in applied mathematics, statistics, and technical computing, and also brings expert legal testimony and Bayesian data analysis experience to the table. He completed a PhD in applied math at University of Texas and a postdoc at Vanderbilt, where his research focus was on non-linear partial differential equations. After academia, John worked as a software developer and project manager, including work as a software development manager and research statistician at the MD Anderson Cancer, where his work on Bayesian statistics, clinical trials, and numerical algorithm development built his expertise in HIPAA re-ID risk and differential privacy assessments.

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**Eleanor (Miki) A. Kolton**

Miki has wide-ranging experience in medical practice law and HIPAA, Stark, Medicare, and CMS regulations. Miki also possesses executive corporate experience and broad clinical background in a variety of healthcare settings, plus the ability to understand scientific and medical community cultures and business challenges and concerns. She works in Greenberg Traurig's Federal Regulatory & Administrative Law Practice, which represents clients in a broad array of complex regulatory and policy disputes with HHS and other agencies in administrative and (multiple) court levels.