

Requirements for Decision Support Interventions and Predictive Models

DSI Summertime Roadshow



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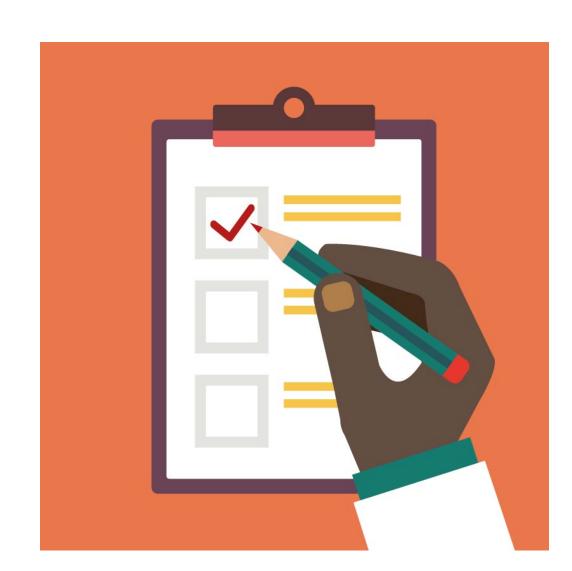
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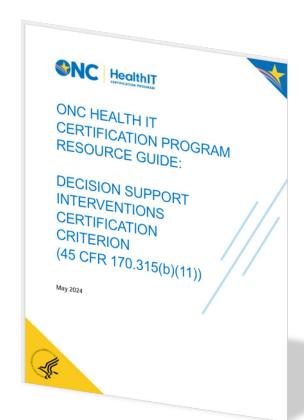
Agenda

- Key Definitions & Concepts
- Overview of required capabilities in § 170.315(b)(11)
- Timelines
- Q&A



DSI Resource Guide v1.0

- Distills proposed rule and final rule preamble into plain language explanations
- Includes clarifications made since final rule release (thanks to industry inquiries)
- Provides a walk-through of requirements for the (b)(11) DSI criterion, including:
 - Key definitions and dates
 - Examples of likely Predictive DSIs
 - Highlights important functionalities
- DSI Resource Guide available <u>here</u>

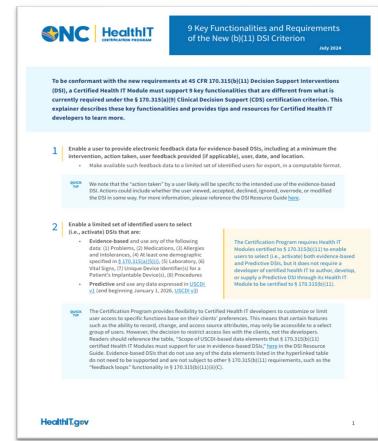




9 Key Functionalities & Requirements of the

New (b)(11) DSI Criterion

- Highlights nine key functionalities for Certified Health IT developers
- Includes tips and resources for Certified Health IT developers
 - Enable a user to provide electronic feedback data for evidence-based DSIs, including at a minimum the intervention, action taken, user feedback provided (if applicable), user, date, and location.
 - Tip: We note that the "action taken" by a user likely will be specific to the intended use of the evidence-based DSI. Actions could include whether the user viewed, accepted, declined, ignored, overrode, or modified the DSI in some way.
- DSI Explainer 9 Key Functionalities & Requirements of the New (b)(11) DSI Criterion document here





Key Definitions & Concepts

Predictive Decision Support Interventions

- Predictive Decision Support Intervention or Predictive DSI means technology that:
 - 1. Supports decision-making based on algorithms or models that
 - 2. Derive relationships from training data and then
 - 3. Produces an output that results in prediction, classification, recommendation, evaluation, or analysis
- The ONC Definition for Predictive DSI is
 - **Broad in scope:** includes a variety of techniques from algebraic equations to machine learning from relatively simple risk calculators (ASCVD or APACHE IV) to deep neural networks and LLMs
 - Use case inclusive: clinical, payer, research, administrative use cases
 - Risk independent: high-risk, low-risk, unknown risk
 - **Developer agnostic:** certified EHR company, health system, academic research lab, consumer technology firm



Key Concepts

- Evidence-based DSIs are rules-based, rather than based on relationships learned in data, and often are based on consensus clinical guidelines. For example, a decision support rule that recommends a follow-up appointment within 12 weeks according to United States Preventive Services Taskforce (USPSTF) recommendations would be considered an evidence-based DSI under ONC's regulation. Only those DSIs that are actively presented to users in clinical workflow to enhance, inform, or influence decision-making related to the care a patient receives and that do not meet the definition for Predictive DSI.
 - Actively presented stands in contrast to decision support that initiates an action without a user's knowledge or occurs outside a user's normal workflow.
- Source attributes are categories of technical performance and quality information related to how evidence-based DSIs and Predictive DSIs were designed, developed, tested, evaluated, and should be used.
- FAVES is a conceptual model for DSI quality. Each source attribute and risk management requirement contributes to a better understanding of whether a Predictive DSI is Fair, Appropriate, Valid, Effective, and Safe (FAVES).
- Intervention Risk Management, or IRM, practices are a set of activities used to analyze and mitigate different kinds of risks associated with Predictive DSIs. IRM practices also include policies and controls for governance and data management related to Predictive DSIs.



Key Concepts Continued

- The "Supplied By" Configuration Nexus
 - A key phrase included in 45 CFR 170.315(b)(11) regulation text is: "supplied by the health IT developer as a part of its Health IT Module."
 - Certified Health IT Developers can supply evidence-based and Predictive DSIs they create themselves and they can supply DSIs created by other parties
 - "Supplied by" means that the Certified Health IT Developer takes stewardship and accountability
 for that specific evidence-based or Predictive DSI within its Health IT Module (89 FR 1253)
 - We interpret "as part of its Health IT Module" to mean that the developer of certified health IT
 has explicitly offered or provided its customers the technical capability to use or support a
 Predictive DSI, regardless of whether the Predictive DSI was developed by the developer of
 certified health IT or by other parties (89 FR 1253)
 - Supplied DSIs can comprise clinical, administrative, operational, and use cases





Decision Support Configuration

- This requirement establishes that Health IT Modules certified to § 170.315(b)(11) enable:
 - A limited set of identified users to configure both evidence-based and predictive DSIs based on user's role;
 - Interventions based on the reconciliation of a patient's medications, allergies and intolerance, and problems as part of a transition of care or referral summary; and
 - Users of the Health IT Module to provide electronic feedback data for evidence-based DSIs.
 - The Health IT Module must support (at a minimum) feedback data regarding the intervention, action taken, user feedback provided, user, date, and location
 - The Health IT Module must subsequently make such feedback data available to a limited set of identified users for export in a computable format.



Additional Clarifications: Feedback Loops

- Only evidence-based DSIs that are actively presented to users in a clinical workflow to enhance, inform, or influence decision-making related to the care a patient receives must be supported by "feedback loop" functionality in § 170.315(b)(11)(ii)(C).
- The § 170.315(b)(11) certification requirements do not specify when or how feedback should be gathered. Real-time workflows, where user feedback is provided immediately, and post hoc workflows, where user feedback is provided afterwards or through a separate application are acceptable. Our requirements are intended to be flexible to enable a user to provide feedback in a manner appropriate to their workflow. Further, nothing in the Certification Program requires users to provide electronic feedback.
- Developers of a Health IT Module certified to § 170.315(b)(11) must allow a specific group of users, as determined by the user organization, to access and export feedback data in a computable format. The developer of the Health IT Module is not required to export this feedback data to all users. Instead, the option to export of feedback data must be available to a specific group of users identified by the customer.

Additional Clarifications: Feedback Loops continued

- Health It Modules certified to § 170.315(b)(11) must enable a user to provide electronic feedback data for evidence-based decision support interventions selected via the capability provided in paragraph (b)(11)(iii)(A) including drug-drug and drug-allergy contraindication checking.
- The requirements at § 170.315(b)(11)(ii)(C) apply to all evidence-based DSI regardless of whether user feedback was provided. The regulation text explicitly states that user feedback be included as part of the evidence-based DSI export of metadata if applicable, so developers are expected to provide these metadata in circumstances when user feedback is provided and when user feedback is not provided.



DSI Selection



- Health IT Modules certified to the (b)(11) DSI criterion must enable a limited set of identified users to select (i.e., activate) electronic decision support interventions that are evidence-based and Predictive.
- Rather than establish a list of evidence-based DSI and Predictive DSI use cases that Certified Health IT developers must support, the Certification Program establishes a scope of DSIs that must be supported based on data elements found in the US Core Data for Interoperability.
- Evidence-based DSIs within scope of the Certification Program that must be supported include those that use any of the following USCDI-based data elements: problems; medications; allergies and intolerances; at least one demographic specified in paragraph § 170.315(a)(5)(i); laboratory; vital signs; unique device identifier(s) for patient implantable device(s); and procedures.
 - Conversely, evidence-based DSIs that do not use any of these data elements do not need to be supported and are not subject to other § 170.315((b)(11) requirements, such as the "feedback loops" functionality in § 170.315(b)(11)(ii)(C).
- Predictive DSIs within scope of the Certification Program that must be supported include those that use any USCDI data element

Additional Clarifications: Selection

- We did not specify a standardized mechanism or configuration to "enable selection" of evidence-based and Predictive DSIs
- Developers of Certified Health IT must support some mechanism for customers to select Predictive DSIs, whether those Predictive DSIs are self-developed by the customer or developed by other parties
- Evidence-based DSIs that include any of the demographic data elements at § 170.315(a)(5)(i) must be supported
 - These data elements are different in scope and may require use of different vocabulary standards than the USCDI data elements listed under the "Patient Demographics/Information" data class versions of these data concepts
 - Health IT Modules must support evidence-based DSIs that use the data concepts at § 170.315(a)(5)(i) and should adhere to standards and requirements in § 170.315(a)(5)(i)
- Please see "Appendix A: Scope of USCDI-based data elements that § 170.315(b)(11) certified Health IT Modules must support for use in evidence-based DSIs" for more information



Source Attribute Support

- All Health IT Modules certified to § 170.315(b)(11) must support 13 source attribute fields for evidence-based DSIs and 31 source attribute fields for Predictive DSIs used by their customers.
 - The requirement to support source attribute fields for evidence-based and Predictive DSI does not necessarily mean the Certified Health IT developer is responsible for the content of these source attribute fields.
 - The determination of whether a Certified Health IT developer is responsible for the content of source attribute fields depends on whether the DSI is supplied by the Certified Health IT developer as part of its Health IT Module.
- Certification Program does not prescribe a best-practices format in which source attribute information should be displayed. Certified Health IT developers should work with their customers to determine the best format and structure of source attribute information.



13 Source Attributes for Evidence-based DSIs

1

Bibliographic Information

2

Developer of the intervention

3

Funding source of the technical implementation for the intervention's development

4

Release, an if applicable, revision date(s) of the intervention

Already required as part of CDS criterion



- 5. Use of race in the intervention
- 6. Use of ethnicity in the intervention
- 7. Use of language in the intervention
- 8. Use of sexual orientation in the intervention
- 9. Use of gender identity in the intervention
- 10. Use of sex in the in the intervention
- 11. Use of age (date of birth) in the intervention
- 12. Use of social determinants of health in the intervention
- 13. Use of health status assessments data in the intervention

Additional Clarifications: Developer-Supplied Evidence-based DSI Source Attributes

- In cases where a DSI is not based on published clinical guideline but local needs, the bibliographic citation § 170.315(b)(11)(iv)(A)(1) and the developer of the intervention § 170.315(b)(11)(iv)(A)(2) may be the same.
- In cases where information is only available through published literature, developers may provide information for these source attributes that indicate that the relevant information is not available and that it cannot be replicated.
- For source attributes in § 170.315(b)(11)(iv)(A)(5)-(13), use of the data element is required to be disclosed. Identifying that one of those data elements is not used, is not required.
- The Certification Program requires that developers indicate when an evidence-based DSI uses patient demographic, social determinants of health (SDOH), and health status assessment data elements in § 170.315(b)(11)(iv)(A)(5) through (13). Consistent with the dates established in § 170.213, Health IT Modules must indicate when USCDI v1 data elements are used in evidence based DSIs up to and including December 31, 2025. Beginning January 1, 2026, Health IT Modules must indicate when USCDI v3 data elements are used according to § 170.315(b)(11)(iv)(A)(5)-(13).



Nine Predictive DSI Source Attribute Categories

Details and output of the intervention

Intervention development details

Quantitative measures of performance

and input features

Purpose of the intervention

Process used to ensure fairness in development of the intervention

Ongoing maintenance of intervention implementation and use

Cautioned Out-of-Scope Use of the intervention

External validation process

Update and continued validation or fairness assessment schedule



20 Thirty-One Predictive DSI Source Attributes

2

1) General Description and Outputs

- 1) Name and contact information for the intervention developer;
- 2) Funding source of the technical implementation for the intervention(s) development;
- 3) Description of value that the intervention produces as an output; and
- 4) Whether the intervention output is a prediction, classification, recommendation, evaluation, analysis, or other type of output.

- 5) Intended use of the intervention;
- 6) Intended patient population(s) for the intervention's use;

Purpose

- 7) Intended user(s); and
- Intended decision-making role for which the intervention was designed to be used/for.

(3) Cautioned Out-of-Scope Use

- Description of tasks, situations, or populations where a user is cautioned against applying the intervention; and
- 10) Known risks, inappropriate settings, inappropriate uses, or known limitations.

(4) Development and Input Features

- 11) Exclusion and inclusion criteria that influenced the data set;
- 12) Use of variables in paragraph (b)(11)(iv)(A)(5)-(13) as input features;
- Description of demographic representativeness including, at a minimum, those used as input features in the intervention;
- 14) Description of relevance of training data to intended deployed setting;

5) Process used to ensure fairness

- 15) Description of the approach the intervention developer has taken to ensure that the intervention's output is fair; and
- 16) Description of approaches to manage, reduce, or eliminate bias.

6) External Validation Process

- 17) Description of the data source, clinical setting, or environment where an intervention's validity and fairness has been assessed, other than the source of training and testing data
- 18) Party that conducted the external testing;
- 19) Description of demographic representativeness of external data including, at a minimum, those used as input features in the intervention;
- 20) Description of external validation process.

7) Quantitative Measures of Performance

- 21) Validity of intervention in test data derived from the same source as the initial training data;
- 22) Fairness of intervention in test data derived from the same source as the initial training data;
- 23) Validity of intervention in data external to or from a different source than the initial training data;
- 24) Fairness of intervention in data external to or from a different source than the initial training data;
- 25) References to evaluation of use of the intervention on outcomes, including, bibliographic citations or hyperlinks to evaluations of how well the intervention reduced morbidity, mortality, length of stay, or other outcomes;

(8) Ongoing Maintenance of Intervention

- 26) Description of process and frequency by which the intervention's validity is monitored over time;
- 27) Validity of intervention in local data;
- 28) Description of the process and frequency by which the intervention's fairness is monitored over time.
- 29) Fairness of intervention in local data; and

9) Validation or Fairness Schedule

- 30) Description of process and frequency by which the intervention is updated; and
- 31) Description of frequency by which the intervention's performance is corrected when risks related to validity and fairness are identified.

Thirty-One Predictive DSI Source Attributes

2

1) General Description and Outputs

- 1) Name and contact information for the intervention developer;
- 2) Funding source of the technical implementation for the intervention(s) development;
- 3) Description of value that the intervention produces as an output; and
- 4) Whether the intervention output is a prediction, classification, recommendation, evaluation, analysis, or other type of output.

Purpose

- 5) Intended use of the intervention;
- 6) Intended patient population(s) for the intervention's use;
- 7) Intended user(s); and
- 8) Intended decision-making role for which the intervention was designed to be used/for.

(3) Cautioned Out-of-Scope Use

- Description of tasks, situations, or populations where a user is cautioned against applying the intervention; and
- 10) Known risks, inappropriate settings, inappropriate uses, or known limitations.

4) Development and Input Features

- 11) Exclusion and inclusion criteria that influenced the data set;
- 12) Use of variables in paragraph (b)(11)(iv)(A)(5)-(13) as input features;
- Description of demographic representativeness including, at a minimum, those used as input features in the intervention;
- 14) Description of relevance of training data to intended deployed setting;

5) Process used to ensure fairness

- 15) Description of the approach the intervention developer has taken to ensure that the intervention's output is fair; and
- 16) Description of approaches to manage, reduce, or eliminate bias.

6 External Validation Process*

- 17) Description of the data source, clinical setting, or environment where an intervention's validity and fairness has been assessed, other than the source of training and testing data
- 18) Party that conducted the external testing;
- 19) Description of demographic representativeness of external data including, at a minimum, those used as input features in the intervention;
- 20) Description of external validation process.

(7) Quantitative Measures of Performance

- 21) Validity of intervention in test data derived from the same source as the initial training data;
- 22) Fairness of intervention in test data derived from the same source as the initial training data;
- 23) Validity of intervention in data external to or from a different source than the initial training data;
- 24) Fairness of intervention in data external to or from a different source than the initial training data;
- 25) References to evaluation of use of the intervention on outcomes, including, bibliographic citations or hyperlinks to evaluations of how well the intervention reduced morbidity, mortality, length of stay, or other outcomes;

(8) Ongoing Maintenance of Intervention

- 26) Description of process and frequency by which the intervention's validity is monitored over time;
- 27) Validity of intervention in local data;
- 28) Description of the process and frequency by which the intervention's fairness is monitored over time.
- 29) Fairness of intervention in local data; and

9) Validation or Fairness Schedule*

- 30) Description of process and frequency by which the intervention is updated; and
- 31) Description of frequency by which the intervention's performance is corrected when risks related to validity and fairness are identified.

Additional Clarifications: Developer-Supplied Predictive DSI Source Attributes

- While the Certification Program identified defined input fields for Predictive DSI source attributes, it did not establish requirements for specific measures, baselines, or identified specific thresholds for content that is related to those categories.
- The Certification Program has not established requirements for specific measures of validity or fairness.
- Developers may indicate that the relevant information for specific source attributes is not available nor re-creatable.
 - For example, Predictive DSIs that use models provided through peer-reviewed literature, such as Atherosclerotic Cardiovascular Disease (ASCVD), estimated glomerular filtration rate (eGFR), acute physiology and chronic health evaluation IV (APACHE IV), may not have access to training data that would allow them to provide a description of demographic representativeness. In such scenarios, developers may indicate the that the relevant information is not available and cannot be replicated.
 - For LLMs that only use free text as inputs, rather than structured data of the kind we list at (b)(11)(iv)(B)(4)(ii) and (iii), Certified Health IT developers may indicate that variables related to race, ethnicity, language, sexual orientation, gender identity, social determinants of health, and health status assessments were not included in the Predictive DSI's training data.



When is a developer responsible for source attribute content?



NES-developed Hypertension Predictive Model

NES EHR <u>Now With</u>: Zelda's Hypertension Predictive Model Predictive
DSIs
authored,
developed,
or supplied
by a certified
health IT
developer
are subject
to ONC
requirements



What about Konami's Contra-indications Model?

Made by third-party for NES EHR

Examples of "supplied by" configurations

- "Supplied by the health IT developer as part of its Health IT Module" would likely include:
 - When a developer of certified health IT certifying to 170.315(b)(11) offers customers (i.e., they can purchase or use) a hypertension model as part of its Health IT Module
 - When a developer of certified health IT includes a publicly available predictive model, like LACE+, or APACHE IV as part of its certified health IT product
 - When a developer incorporates an *other party's* LLM, or other generative AI, that meets the definition of Predictive DSI and is part of what the developer offers its customers
- "Supplied by" does not likely include apps available through a certified health IT developer's app store



Additional Clarifications: "Supplied By" and "As part of its Health IT Module"

- The concept of "supplied by" means that the Certified Health IT developer has taken on stewardship and accountability for that Predictive DSI for the purposes of the Health IT Module.
- ONC interprets "as part of its Health IT Module" to mean that the Certified Health IT developer has **explicitly offered or provided its customers the technical capability** to use or support a Predictive DSI, regardless of whether the Predictive DSI was developed by the Certified Health IT developer or by an other party. [see also <u>89 FR 1253</u>]
- "As part of its Health IT Module" includes any supplied DSIs that are a part of a (b)(11)-certified, CHPL-listed product. This means that if a developer supplies a Predictive DSI as part of a product that is (b)(11)-certified, the developer must include source attributes and other requirements for that Predictive DSI.



Access & Modification of Source Attribute Information

- The Certification Program establishes a set of 4 capabilities that Health IT Modules must support related to the source attribute content associated with evidence-based and Predictive DSIs.
 - Health IT Modules must enable a limited set of identified users to access complete and up-to-date plain language descriptions of source attributes.
 - Health IT Modules must enable a limited set of identified users to record source attribute information.
 - Health IT Modules must enable a limited set of identified users to change source attribute information.
 - Health IT Modules must indicate when source attribute information is not available for some source attributes related to external validation, local testing for validity and fairness, and continued assessments of validity and fairness.
- Certified Health IT developers are responsible for updating information related to these source attributes if it is generated or becomes available with the Certified Health IT developer's knowledge. For example, if the Certified Health IT developer's supplied Predictive DSIs is tested for fairness in local data with the help of the Certified Health IT developer following deployment at a customer's site, that information must be made available as source attribute information to reflect the up-to-date requirement for source attributes at § 170.315(b)(11)(v)(A)(1).



Additional Clarifications: Access & Modification

- For purposes of requirements in § 170.315(b)(11) a subsidiary of a Certified Health IT developer that develops a Predictive DSI would be considered the same as if the subsidiary were the developer of Certified Health IT, subjecting Predictive DSIs developed by the subsidiary to the same requirements as a Predictive DSI supplied by a developer of Certified Health IT as part of its Health IT Module.
- Certified Health IT developers must provide the functionality to enable access and modification to source attributes but are not responsible for the content that may be recorded, changed, or accessed by these users.
- The Health IT Module is required to enable users the capability to populate source attributes for Predictive DSIs that self-developed by customers as well as the capability to populate source attributes for Predictive DSIs developed by other parties.
- Certified Health IT developers are not responsible for the accuracy or use of source attribute information that is modified by their users. Rather, Certified Health IT developers are required to have Health IT Modules that support the capability for their users to author or revise source attribute information.
- The Program does not prescribe how a developer certified to § 170.315(b)(11) should make accessible (i.e., house or store) source attribute information. However, a user must be able to access source attribute and source attribute information through the Health IT Module certified to (b)(11).



Additional Clarification: Complete & Up-to-date Plain Language Descriptions of Source Attribute Information

- ONC does not prescribe how source attribute information is made accessible to a user, nor do we prescribe a minimum level of context at this time. For example, we do not require that a source attribute indicating the use of a social determinants of health(SDOH) data element in § 170.315(b)(11)(iv)(A)(12) must describe how the data element is used as part of the evidence-based DSI. Instead, we require a Health IT Module to enable a user to review whether an SDOH data element is used as part of the evidence-based DSI and which SDOH data element (as expressed by the standards in § 170.213) is used as part of the evidence-based DSI. In the case of SDOH data elements, where multiple data concepts of SDOH occur in the standards in § 170.213, an indication of yes/no at § 170.315(b)(11)(iv)(A)(12) would be insufficient. This may also be the case for other source attributes and related data concepts listed at § 170.315(b)(11)(iv). ONC encourages developers to consider what information would be most useful for users to determine if a DSI is Fair, Appropriate, Valid, Effective and Safe (FAVES). We encourage as much plain language as possible to make the information most easily understandable and useful.
- See 89 FR 1257 for more information.



Additional Clarification: "Limited Set of Identified Users" Access & Modification

- The concept of "limited set of identified users" allows restriction of certain functionalities to a smaller group of users that are specifically identified and granted the necessary privileges to use the capabilities in § 170.315(b)(11). The Program provides flexibility in defining which users have access to certain functions. ONC believes that developers of certified health IT and their customers are best positioned to jointly decide the scope of users within the "limited set of identified users" concept.
- The Program does not specify a standardized mechanism or configuration to "enable selection" of evidence-based and Predictive DSIs. The conformance requirement is a functional requirement and parallels the "selection" function that is part of the certification criterion at § 170.315(a)(9)(iii) for evidence-based DSIs. Therefore, the Certified Health IT developer is best positioned to determine the mechanism to enable limited set of identified users to select (i.e. activate) electronic DSIs.



Organizational transparency on risk management of Predictive DSIs



Intervention risk management practices must be applied for each Predictive DSI supplied by the health IT developer as part of its Health IT Module

- 1. Validity
- 2. Reliability
- 3. Robustness
- 4. Fairness
- 5. Intelligibility
- 6. Safety
- 7. Security
- 8. Privacy

- Predictive DSI(s) must be subject to
 - Analysis of potential risks and adverse impacts
 - Practices to mitigate identified risks
 - Policies and implemented controls for governance, including how data are acquired, managed, and used
- Final Rule preamble describes each characteristic and associated approaches that can be taken to assess and mitigate risks
 - Note: many of the terms and concepts in the IRM requirements rely on the National Institute of Standards and Technology (NIST) <u>AI Risk Management Framework</u>
- Summary information of risk management and governance to be publicly available

Additional Clarifications: Intervention Risk Management

- The Certification Program requirements are not prescriptive about the use of a particular framework, standard, guideline, or best-practice for risk management and governance.
 - The Program provides Certified Health IT developers with substantial flexibility in the risk
 management practices they choose to apply to Predictive DSIs they supply as part of their Health IT
 Modules.
 - Developers may therefore choose to apply different levels of rigor to the risk analysis, risk mitigation, and governance of different Predictive DSIs.
- Developers are not required to review risk management information from other parties nor include the risk management information from other parties as part of the IRM documentation requirement.
- Certified Health IT developers are encouraged to review the NIST AI RMF Govern Section 6 as
 this section provides several suggested actions and documentation questions that may be
 informative towards meeting governance requirements as it relates to AI risks and benefits
 arising from third party software.



Safety-Enhanced Design and the (b)(11) DSI criterion

- Certified Health IT developers must assess user-facing functionality gaps between the requirements of § 170.315(a)(9) CDS and § 170.315(b)(11) DSI and as necessary update their safety-enhanced design (SED) testing.
 - User-centered design process(es) must have been applied to each capability of technology associated with the certification criterion.
 - SED testing should be updated when there is a user interface / functionality change to the criterion

Examples of new functionality that may require updated SED testing

- Functionality new to the § 170.315(b)(11) DSI criterion, such as a user's ability to modify source attributes and source attribute information at § 170.315(b)(11)(v)(B)
- Functionality to enable users to provide feedback to evidence-based DSIs at § 170.315(b)(11)(ii)(C)



Assurances Maintenance of Certification Requirements

- Certified Health IT developers with Health IT Modules certified to § 170.315(b)(11) must ensure that their Health IT Modules have complete and up-to-date descriptions of source attribute information, both at the time of certification and on an ongoing basis while their Health IT Modules are certified to § 170.315(b)(11).
 - If Certified Health IT developers do not continue to keep associated attribute information up to date, this could have adverse impacts on user trust, accuracy, usage, and safety. Hence, this Maintenance of Certification requires them to keep such information updated to better maintain the integrity of DSIs.
- This Maintenance of Certification also requires that intervention risk management practices are updated as needed and those updates are reflected in summary information provided to ONC-ACBs for public availability.



Implementation Timeline & requirements

Health IT evelopers

- Will have one year to update their certified health IT to support capabilities in 170.315(b)(11)
- Will need to provide updated technology to their customers by December 31, 2024
- Will need to provide summary IRM practice information to their ONC-ACB before December 31, 2024
- Will need to keep source attribute information and risk management information up-to-date as an ongoing maintenance of certification requirement
- Will need to include as part of Real World Testing Plans and Results

Providers

As of their 2025 performance period for CMS payment policy, certified health IT will support
providers' ability to select both evidence-based and Predictive DSIs, as well as access and modify
detailed source attribute information for evidence-based and Predictive DSIs they use

Industry

- The 31 source attributes finalized offers an industry-wide baseline from which more detailed "model cards" and other industry consensus can be formed
- Transparency provisions are likely to incentivize the creation and support of fairer, better validated algorithms in healthcare



Health IT Feedback & Inquiry Portal available at: https://inquiry.healthit.gov/



Contact ONC

Certification & Testing Division
Assistant Secretary of Technology Policy /
Office of the National Coordinator for Health IT

- **Phone:**
- Health IT Feedback Form:
 https://www.healthit.gov/form/
 healthit-feedback-form
- **Twitter:** @onc_healthIT
- LinkedIn: Office of the National Coordinator for Health Information Technology
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