



Eligible Hospital and Critical Access Hospital Meaningful Use Core Measures Measure 9 of 11

Stage 1 (2014 Definition)
Last updated: May 2014

Clinical Decision Support Rule	
Objective	Implement one clinical decision support rule related to a high priority hospital condition along with the ability to track compliance with that rule.
Measure	Implement one clinical decision support rule.
Exclusion	No exclusion.

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Definition of Terms

Clinical Decision Support – HIT functionality that builds upon the foundation of an EHR to provide persons involved in care decisions with general and person-specific information, intelligently filtered and organized, at point of care, to enhance health and health care.

Attestation Requirements

YES/NO

Eligible hospitals and CAHs must attest YES to having implemented one clinical decision support rule for the length of the reporting period to meet this measure.

Additional Information

- CMS will not issue additional guidance on the selection of appropriate clinical decision support rules for Stage 1 Meaningful Use. This determination is best left to the eligible hospital or CAH taking into account its workflow, patient population, and quality improvement efforts.
- Drug-drug and drug-allergy interaction alerts cannot be used to meet the meaningful use objective for implementing one clinical decision support rule. Eligible hospitals and CAHs must

implement one clinical decision support rule in addition to drug-drug and drug-allergy interaction checks.

Certification and Standards Criteria

Below is the corresponding certification and standards criteria for electronic health record technology that supports achieving the meaningful use of this objective.

Certification Criteria*

§170.314(a)(8) Clinical decision support

(i) Evidence-based decision support interventions. Enable a limited set of identified users to select (i.e., activate) one or more electronic clinical decision support interventions (in addition to drug-drug and drug-allergy contraindication checking) based on each one and at least one combination of the following data:

- (A) Problem list;
- (B) Medication list;
- (C) Medication allergy list;
- (D) Demographics;
- (E) Laboratory tests and values/results; and
- (F) Vital signs.

(ii) Linked referential clinical decision support.

- (A) EHR technology must be able to:
 - (1) Electronically identify for a user diagnostic and therapeutic reference information; or
 - (2) Electronically identify for a user diagnostic and therapeutic reference information in accordance with the standard specified at § 170.204(b) and the implementation specifications at § 170.204 (b)(1) or (2).
- (B) For paragraph (a)(8)(ii)(A) of this section, EHR technology must be able to electronically identify for a user diagnostic or therapeutic reference information based on each one and at least one combination of the data referenced in paragraphs (a)(8)(i)(A) through (F) of this section.

(iii) Clinical decision support configuration.

- (A) Enable interventions and reference resources specified in paragraphs (a)(8)(i) and (ii) of this section to be configured by a limited set of identified users (e.g., system administrator) based on a user's role.
- (B) EHR technology must enable interventions to be electronically triggered:
 - (1) Based on the data referenced in paragraphs (a)(8)(i)(A) through (F) of this section.
 - (2) When a patient's medications, medication allergies, and problems are incorporated from a transition of care/referral summary received pursuant to paragraph (b)(1)(iii) of this section.
 - (3) Ambulatory setting only. When a patient's laboratory tests and values/results are incorporated pursuant to paragraph (b)(5)(i)(A)(1) of this section.

(iv) Automatically and electronically interact. Interventions triggered in accordance with paragraphs (a)(8)(i)-(iii) of this section must automatically and electronically occur when a user is interacting with EHR technology.

(v) Source attributes. Enable a user to review the attributes as indicated for all clinical decision support resources:

(A) For evidence-based decision support interventions under paragraph (a)(8)(i) of this section:

- (1) Bibliographic citation of the intervention (clinical research/guideline);
- (2) Developer of the intervention (translation from clinical research/guideline);
- (3) Funding source of the intervention development technical implementation; and
- (4) Release and, if applicable, revision date(s) of the intervention or reference source.

(B) For linked referential clinical decision support in paragraph (a)(8)(ii) of this section and drug-drug, drug-allergy interaction checks in paragraph(a)(2) of this section, the developer of the intervention, and where clinically indicated, the bibliographic citation of the intervention (clinical research/guideline).

*Additional certification criteria may apply. Review the [ONC 2014 Edition EHR Certification Criteria Grid Mapped to Meaningful Use Stage 1](#) for more information.

Standards Criteria	
§170.204(b)	HL7 V3 Standard: Context-Aware Retrieval Application (Infobutton).
§170.204(b)(1) or §170.204(b)(2) <i>Implementation specifications</i>	HL7 V3 IG: URL-Based Implementations of Context-Aware Information Retrieval (Infobutton) Domain; or HL7 V3 IG: Context-Aware Knowledge Retrieval (Infobutton) Service-Oriented Architecture Implementation Guide.

