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Clinical Decision Support

Assessment Measure Thresholds: Updated 12/21/18

Background:

AIRA and MACAW (the Measurement for Assessment and Certification Advisory Workgroup) will be rolling out the Assessment content area of Clinical Decision Support in January 2019. Since this area has been lengthy to plan and launch, it may be helpful to review the steps leading up to this roll out. A community Town Hall was held on May 23, 2018 where the Clinical Decision Support (CDS) Assessment measures were presented. MACAW met in-person last June to discuss and resolve all community comments from the Town Hall. Also in June, the Assessment measures were approved by the AIRA Board; however, MACAW and the AIRA Board wanted more analysis data in order to set thresholds. The thresholds determine the level of test cases the IIS must pass to meet specific measures. Throughout the month of October and November, analysis data was reviewed to help inform and set CDS Assessment thresholds. CDS is the fourth phase in the Measurement and Improvement Initiative following Transport, Submission/Acknowledgement and Query/Response. More information on the Measurement and Improvement initiative can be found [here](#).

CDS Thresholds:

The AIRA Board and MACAW acknowledge that there are challenges and complexities with implementing logic to pass CDSi test cases. Unlike previous areas of measurement, there are hundreds of test cases in CDSi, so passing 100% to “meet” measures is not realistic or desirable. Through preliminary testing, we have also found nuances among IIS in how date calculations have been implemented in attempts to meet CDSi test cases. Due to these nuances and the need for IIS to have testing results to better understand what is needed to align with ACIP, CDS Assessment will begin in January with lower thresholds of 1) Meets: 90-100%, 2) Deviates: 65-89%, 3) Does not meet: less than 65%. The expectation is thresholds will raise to the following levels within 1 to 2 years as the community better aligns their CDSi algorithms with ACIP; anticipated thresholds for the next cycle are 1) Meets: 95-100%, 2) Deviates: 75-94%, 3) Does not meet: less than 75%.



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In addition, starting in January there is a threshold of 65% for any individual vaccine family. This threshold is not anticipated to increase in future years. This threshold is intended to ensure that an IIS who passed a measure (across all vaccine families), also did equally well within an individual vaccine family. If an IIS does not meet this threshold within an individual vaccine family that has at least 10 test cases, then the IIS would drop one level. For example, if the IIS met the "Meets" threshold for all test cases, but did NOT meet the individual vaccine family threshold, they would drop down to "Deviates." Also, if the IIS met the "Deviates" threshold for all test cases, but again did NOT meet the individual vaccine family threshold, they would drop to "Does Not Meet."

We welcome input on this new content area and the accompanying thresholds as they roll out in January 2019. For questions or comments, please contact [Kristi Siahaya](#).