



Medicare & Medicaid EHR Incentive Programs

HIT Policy Committee
March 10, 2016





EHR Incentive Programs Attestation Data



Providers Included

This data-only analysis shows our earliest adopters who have attested, but does not inform us on barriers to attestation.

At the time of the analysis

- 302,632 EPs had attested
 - 302,419 Successfully, 213 Unsuccessfully
 - 59,222 for Stage 2
 - Modified Stage 2
 - Stage 1 = 22,369
 - Stage 2 = 112,394



Providers Included

This data-only analysis shows our earliest adopters who have attested, but does not inform us on barriers to attestation.

At the time of the analysis

- 4,479 Hospital had attested
 - 4,413 for Stage 1
 - 1,831 for Stage 2
 - For Modified Stage 2
 - Stage 1 = 299 (66 for the first time)
 - Stage 2 = 2,239



Highlights

- On average all thresholds were greatly exceeded, but every threshold had some providers on the borderline
- Drug formulary, immunization registries and patient list are the most popular menu objectives for EPs
 - Advance Directives, Clinical Lab Test Results, and Drug Formulary for hospitals
- Transition of care summary and patient reminders were the least popular menu objectives for EPs
 - Transition of Care and Reportable Lab Results for hospitals
- Little difference between EP and hospitals
- Little difference among specialties in performance, but differences in exclusions and deferrals



90 Day Performance Data



EP 2011, 2012, 2013, and 2014 90 Days Core Objective Performance

	2011	2012	2013	2014
Number of Attestations	58,403	138,921	65,924	39,171
CPOE for Medication Orders	84.0%	81.4%	83.8%	90.4%
Maintain Problem List	96.4%	96.8%	97.1%	97.1%
ePrescribing	79.1%	83.0%	85.5%	86.5%
Active Medication List	97.1%	97.1%	97.0%	97.0%
Medication Allergy List	96.3%	96.6%	96.6%	96.8%
Record Demographics	90.5%	92.2%	93.9%	95.2%
Record Vital Signs	90.2%	91.2%	91.6%	92.8%
Record Smoking Status	89.6%	91.9%	93.4%	94.4%
Electronic Copy of Health Information	96.3%	97.3%	97.9%	86.0%
Clinical Summaries	78.4%	80.5%	83.0%	84.1%



EP 2011, 2012, 2013, and 2014 90 Days Menu Objective Performance

	2011	2012	2013	2014
Clinical Lab Test Results	91.5%	93.0%	92.7%	92.7%
Patient Reminders	61.7%	62.1%	64.1%	58.8%
Patient Electronic Access	72.6%	73.9%	78.6%	70.3%
Patient-Specific Education Resources	49.0%	51.0%	57.9%	66.1%
Medication Reconciliation	89.5%	90.1%	90.4%	91.1%
Transition of Care Summary	88.9%	91.6%	92.8%	91.3%
Immunization Registries Data Submission	37.6%	35.6%	35.4%	41.5%
Syndromic Surveillance Data Submission	6.5%	6.3%	4.8%	8.8%



Hospital 2011, 2012, 2013, and 2014 90 Days Core Objective Performance

	2011	2012	2013	2014
Number of Attestations	812	1,787	1,470	262
CPOE for Medication Orders	84.9%	83.5%	84.2%	87.7%
Maintain Problem List	94.8%	95.0%	95.2%	95.8%
Active Medication List	97.3%	98.0%	98.0%	98.1%
Medication Allergy List	97.5%	98.1%	98.1%	98.0%
Record Demographics	96.1%	96.4%	96.9%	97.3%
Record Vital Signs	93.1%	91.7%	92.2%	94.5%
Record Smoking Status	93.5%	92.6%	93.2%	95.5%
Electronic Copy of Health Information	96.4%	97.0%	95.9%	83.6%
Electronic Copy of Discharge Instructions	95.6%	95.0%	93.6%	97.5%



Hospital 2011, 2012, and 2013, 90 Days, Menu Objective Performance

	2011	2012	2013	2014
Advance Directives	95.5%	95.5%	95.7%	96.9%
Clinical Lab Test Results	95.5%	95.0%	95.7%	95.8%
Patient-Specific Education Resources	71.2%	73.0%	77.8%	83.0%
Medication Reconciliation	84.3%	84.5%	87.4%	88.3%
Transition of Care Summary	80.6%	83.4%	85.9%	82.3%
Immunization Registries Data Submission	48.0%	50.4%	57.1%	51.5%
Reportable Lab Results to Public Health Agencies	16.3%	15.2%	13.3%	16.4%
Syndromic Surveillance Data Submission	17.2%	21.7%	19.9%	15.6%



Returning Providers Performance Data



EP 1st v. Subsequent Years Core Objective Performance

	EPs that First Attested in 2011			
	2011	2012	2013	2014
Number of Attestations	58,403	49,557	49,074	21,082
CPOE for Medication Orders	84.0%	87.8%	89.2%	87.2%
Maintain Problem List	96.4%	97.4%	97.8%	98.0%
ePrescribing	79.1%	83.5%	85.8%	85.8%
Active Medication List	97.1%	97.8%	98.1%	97.9%
Medication Allergy List	96.3%	97.4%	97.6%	97.3%
Record Demographics	90.5%	94.3%	95.3%	94.3%
Record Vital Signs	90.2%	93.3%	94.2%	94.5%
Record Smoking Status	89.6%	93.8%	94.9%	94.9%
Electronic Copy of Health Information	96.3%	97.3%	97.9%	82.5%
Clinical Summaries	78.4%	84.7%	85.5%	85.1%



EP 1st v. Subsequent Years Menu Objective Performance

	EPs that First Attested in 2011			
	2011	2012	2013	2014
Clinical Lab Test Results	91.5%	92.6%	92.2%	89.9%
Patient Reminders	61.7%	68.3%	66.8%	57.4%
Patient Electronic Access	72.6%	77.7%	76.4%	61.0%
Patient-Specific Education Resources	49.0%	60.8%	61.6%	56.9%
Medication Reconciliation	89.5%	90.2%	91.1%	91.6%
Transition of Care Summary	88.9%	91.0%	91.2%	92.0%
Immunization Registries Data Submission	37.6%	42.3%	48.1%	44.9%
Syndromic Surveillance Data Submission	6.5%	6.3%	4.6%	5.0%



EP 1st v. Subsequent Years Core Objective Performance

	EPs that First Attested in 2012			EPs that First Attested in 2013	
	2012	2013	2014	2013	2014
Number of Attestations	138,921	118,715	58,337	65,924	52,200
CPOE for Medication Orders	81.4%	87.0%	87.0%	83.8%	89.9%
Maintain Problem List	96.8%	97.8%	98.0%	97.1%	97.7%
ePrescribing	83.0%	85.7%	86.0%	85.5%	88.0%
Active Medication List	97.1%	97.7%	97.6%	97.0%	97.6%
Medication Allergy List	96.6%	97.4%	97.2%	96.6%	97.4%
Record Demographics	92.2%	95.0%	94.9%	93.9%	95.8%
Record Vital Signs	91.2%	93.9%	94.5%	91.6%	94.4%
Record Smoking Status	91.9%	94.9%	95.2%	93.4%	95.7%
Electronic Copy of Health Information	97.3%	98.0%	83.2%	97.9%	86.9%
Clinical Summaries	80.5%	85.3%	85.6%	83.0%	86.9%



EP 1st v. Subsequent Years Menu Objective Performance

	EPs that First Attested in 2012			EPs that First Attested in 2013	
	2012	2013	2014	2013	2014
Clinical Lab Test Results	93.0%	92.9%	91.4%	92.7%	92.9%
Patient Reminders	62.1%	67.3%	60.4%	64.1%	56.7%
Patient Electronic Access	73.9%	73.8%	70.2%	78.6%	77.2%
Patient-Specific Education Resources	51.0%	60.8%	58.2%	57.9%	68.5%
Medication Reconciliation	90.1%	91.5%	91.3%	90.4%	92.5%
Transition of Care Summary	91.6%	91.7%	91.4%	92.8%	90.8%
Immunization Registries Data Submission	35.6%	43.3%	46.2%	35.4%	42.6%
Syndromic Surveillance Data Submission	6.3%	4.6%	4.6%	4.8%	8.8%



Hospital 1st v. Subsequent Years Core Objective Performance

	EHs that First Attested in 2011			
	2011	2012	2013	2014
Number of Attestations	812	780	777	132
CPOE for Medication Orders	84.9%	88.3%	89.8%	88.9%
Maintain Problem List	94.8%	96.0%	96.6%	95.9%
Active Medication List	97.3%	97.9%	97.9%	97.2%
Medication Allergy List	97.5%	98.0%	98.1%	97.6%
Record Demographics	96.1%	97.4%	97.5%	97.5%
Record Vital Signs	93.1%	94.6%	95.0%	94.3%
Record Smoking Status	93.5%	95.3%	96.3%	95.3%
Electronic Copy of Health Information	96.4%	95.2%	95.1%	84.0%
Electronic Copy of Discharge Instructions	95.6%	94.8%	94.5%	86.9%



Hospital 1st v. Subsequent Years Menu Objective Performance

	EHs that First Attested in 2011			
	2011	2012	2013	2014
Advance Directives	95.5%	96.5%	96.4%	96.3%
Clinical Lab Test Results	95.5%	96.3%	96.6%	95.0%
Patient-Specific Education Resources	71.2%	75.7%	78.4%	76.7%
Medication Reconciliation	84.3%	87.8%	88.1%	85.7%
Transition of Care Summary	80.6%	80.3%	81.3%	83.2%
Immunization Registries Data Submission	48.0%	55.1%	57.4%	43.9%
Reportable Lab Results to Public Health Agencies	16.3%	14.1%	15.3%	16.7%
Syndromic Surveillance Data Submission	17.2%	17.8%	22.5%	38.6%



Hospital 1st v. Subsequent Years Core Objective Performance

	EHs that First Attested in 2012			EHs that First Attested in 2013	
	2012	2013	2014	2013	2014
Number of Attestations	1,787	1,716	447	1,470	1,341
CPOE for Medication Orders	83.5%	86.7%	86.4%	84.2%	87.8%
Maintain Problem List	95.0%	96.1%	96.1%	95.2%	96.2%
Active Medication List	98.0%	98.2%	98.2%	98.0%	98.5%
Medication Allergy List	98.1%	98.0%	97.7%	98.1%	98.3%
Record Demographics	96.4%	96.6%	96.9%	96.9%	97.3%
Record Vital Signs	91.7%	92.6%	94.5%	92.2%	95.0%
Record Smoking Status	92.6%	93.8%	94.2%	93.2%	95.2%
Electronic Copy of Health Information	97.0%	96.2%	81.3%	95.9%	81.3%
Electronic Copy of Discharge Instructions	95.0%	93.2%	96.9%	93.6%	90.2%



Hospital 1st v. Subsequent Years Menu Objective Performance

	EHs that First Attested in 2012			EHs that First Attested in 2013	
	2012	2013	2014	2013	2014
Advance Directives	95.5%	95.6%	96.5%	95.7%	97.2%
Clinical Lab Test Results	95.0%	96.0%	95.2%	95.7%	95.7%
Patient-Specific Education Resources	73.0%	79.2%	71.6%	77.8%	82.8%
Medication Reconciliation	84.5%	86.9%	86.8%	87.4%	89.0%
Transition of Care Summary	83.4%	83.8%	74.2%	85.9%	81.8%
Immunization Registries Data Submission	50.4%	53.8%	62.0%	57.1%	58.6%
Reportable Lab Results to Public Health Agencies	15.1%	15.9%	19.9%	13.3%	12.2%
Syndromic Surveillance Data Submission	21.7%	20.9%	24.2%	19.9%	22.7%



Aggregate Performance Data



EP Quality, Safety, Efficiency, and Reduce Health Disparities

Objective	Performance	Exclusion	Deferral
Problem List	97%	N/A	N/A
Medication List	97%	N/A	N/A
Medication Allergy List	97%	N/A	N/A
Demographics	94%	N/A	N/A
Vital Signs	93%	11%	N/A
Smoking Status	94%	0.3%	N/A



EP Quality, Safety, Efficiency, and Reduce Health Disparities

Objective	Performance	Exclusion	Deferral
CPOE	86%	19%	N/A
Electronic prescribing	85%	22%	N/A
Incorporate lab results	92%	6%	34%
Drug-formulary checks	N/A	13%	15%
Patient lists	N/A	N/A	29%
Send reminders to patients	63%	1.0%	79%



EP Engage Patients and Their Families

Objective	Performance	Exclusion	Deferral
E – Copy of Health Information	94%	59%	N/A
Office visit summaries	83%	3%	N/A
Patient Education Resources	58%	N/A	40%
Timely electronic access	74%	1%	71%



EP Improve Care Coordination

Objective	Performance	Exclusion	Deferral
Medication reconciliation	91%	4%	48%
Summary of care at transitions	91%	4%	82%



EP Improve Population and Public Health

Objective	Performance*	Exclusion	Deferral
Immunizations	41%	42%	17%
Syndromic Surveillance	6%	24%	70%

*Performance is percentage of attesting providers who conducted test



EH Quality, Safety, Efficiency, and Reduce Health Disparities

Objective	Performance	Exclusion	Deferral
Problem List	96%	N/A	N/A
Medication List	98%	N/A	N/A
Medication Allergy List	98%	N/A	N/A
Demographics	97%	N/A	N/A
Vital Signs	93%	N/A	N/A
Smoking Status	94%	0.6%	N/A



EHR Quality, Safety, Efficiency, and Reduce Health Disparities

Objective	Performance	Exclusion	Deferral
CPOE	86%	N/A	N/A
Advance directives	96%	0.4%	8%
Incorporate lab results	96%	N/A	14%
Drug-formulary checks	N/A	N/A	19%
Patient lists	N/A	N/A	45%



EH Engage Patients and Their Families

Objective	Performance	Exclusion	Deferral
E – copy of health information	93%	54%	N/A
E – copy of discharge Instructions	93%	53%	N/A
Patient education resources	77%	N/A	56%



EHR Improve Care Coordination

Objective	Performance	Deferral
Medication reconciliation	87%	69%
Summary of care at transitions	82%	91%



EHR Improve Population and Public Health

Objective	Performance*	Exclusion	Deferral
Immunizations	54%	10%	36%
Reportable Lab Results	15%	4%	82%
Syndromic Surveillance	21%	3%	76%

*Performance is percentage of attesting providers who conducted test



EP Stage 2 Core Performance, Exclusion, and Deferrals

	Performance	Exclusion	Deferral
CPOE for Medication Orders	97.2%	13.9%	N/A
CPOE for Laboratory Orders	93.6%	23.9%	N/A
CPOE for Radiology Orders	91.5%	37.9%	N/A
Generate Prescriptions	88.4%	19.2%	N/A
Record Demographics	98.5%	N/A	N/A
Record Vital Signs	97.6%	7.8%	N/A
Record Smoking Status	98.1%	0.1%	N/A
Enabled Drug-Drug and Drug-Allergy CDS	N/A	14.0%	N/A
Clinical Lab Test	95.3%	8.8%	N/A
Generate List of Patients	N/A	N/A	N/A
Clinically Relevant Information	38.3%	1.6%	N/A



EP Stage 2 Core Performance, Exclusion, and Deferrals

	Performance	Exclusion	Deferral
View, Download, Transmit	35.1%	1.0%	N/A
Timely Online Access	91.1%	0.6%	N/A
Provide Clinical Summaries	89.3%	0.8%	N/A
Provide Patient-specific Education Resources	77.5%	0.7%	N/A
Perform Medication Reconciliation	92.7%	6.5%	N/A
Electronic Transmission of Transition of Care Document	40.4%	86.4%	N/A
Provides Summary of Care Record	85.3%	86.4%	N/A
Exchange with Different CEHRT	N/A	86.4%	N/A
Submit Electronic Data for Immunization	58.1%	41.9%	N/A



EP Stage 2 Menu Performance, Exclusion, and Deferrals

	Performance	Exclusion	Deferral
Use Secure Electronic Messaging	N/A	2.1%	N/A
Imaging Results	80.8%	9.8%	40.3%
Record Patient Family Health History	72.2%	0.6%	1.5%
Submit Electronic Syndromic Surveillance Data	16.4%	14.1%	69.5%
Identify and Report Cancer Cases	2.5%	8.1%	89.4%
Identify and Report Specific Cases	11.8%	8.1%	80.1%
Record Electronic Note	98.5%	0.6%	2.1%



EH Stage 2 Core Performance, Exclusion, and Deferrals

	Performance	Exclusion	Deferral
CPOE for Medication Orders	83.9%	N/A	N/A
CPOE for Laboratory Orders	77.0%	N/A	N/A
CPOE for Radiology Orders	79.7%	N/A	N/A
Record Demographics	98.4%	N/A	N/A
Record Vital Signs	96.9%	N/A	N/A
Record Smoking Status	97.4%	0.3%	N/A
Clinical Lab Test	96.4%	N/A	N/A
Timely Online Access	85.9%	N/A	N/A
View, Download, Transmit	15.4%	0.4%	N/A



EH Stage 2 Core Performance, Exclusion, and Deferrals

	Performance	Exclusion	Deferral
Provide Patient-specific Education Resources	72.6%	N/A	N/A
Perform Medication Reconciliation	86.8%	N/A	N/A
Provides Summary of Care Record	78.4%	N/A	N/A
Exchange with Different CEHRT	36.1%	N/A	N/A
Submit Electronic Data for Immunization	88.9%	11.1%	N/A
Submit Reportable Lab Results to Public Health Agencies	86.8%	13.2%	N/A
Submit Electronic Syndromic Surveillance Data	78.0%	22.0%	N/A
Electronic Medication Administration Record	70.1%	6.5%	N/A



EH Stage 2 Menu Performance, Exclusion, and Deferrals

	Performance	Exclusion	Deferral
Advance Directives	97.9%	0.0%	3.6%
Imaging Results	91.8%	N/A	35.6%
Record Patient Family Health History	65.3%	N/A	43.7%
E-Prescribing	55.7%	0.0%	80.6%
Record Electronic Note	89.9%	N/A	29.4%
Structured Electronic Lab Results for Ambulatory Providers	84.2%	N/A	98.8%



EP Modified Stage 2 Performance, and Exclusion – Stage 1 Attesters

	Performance	Exclusion
Protect patient health information	100%	NA
Electronic prescribing	89.6%	32.1%
Clinical decision support - Alternate Objective: Implement one clinical decision support rule	46.9%	18.6%
Clinical decision support - Enabled and implemented the functionality for drug-drug and drug-allergy	81.4%	
Clinical decision support - Implement five clinical decision support interventions	53.1%	
Alternative CPOE Measure – Medication Orders	94.6%	80.2%
CPOE- Laboratory Orders	93.2%	
CPOE - Radiology Orders	91.5%	
CPOE - Medication Orders	96.9%	



EP Modified Stage 2 Performance, and Exclusion – Stage 1 Attesters

	Performance	Exclusion
View, Download, or Transmit – 3 rd Party	28.9%	51.6%
View, Download, or Transmit – Patient	88.3%	
Patient specific education	69.6%	19.6%
Secure messaging	100.0%	48.5%
Medication reconciliation	93.0%	28.5%
Health Information Exchange	50.8%	94.3%
Public Health Reporting - Immunization Registry	83.2%	40.6%
Public Health Reporting - Syndromic Surveillance Registry	63.9%	48.7%
Public Health Reporting - Specialized Registry	58.5%	40.6%



EP Modified Stage 2 Performance, and Exclusion – Stage 2 Attesters

	Performance	Exclusion
Protect patient health information	100%	NA
Electronic prescribing	88.1%	21.4%
Clinical decision support - Enabled and implemented the functionality for drug-drug and drug-allergy	100%	14.2%
Clinical decision support - Implement five clinical decision support interventions	100%	
CPOE- Laboratory Orders	94.2%	49.0%
CPOE - Radiology Orders	92.6%	
CPOE - Medication Orders	97.0%	



EP Modified Stage 2 Performance, and Exclusion – Stage 2 Attesters

	Performance	Exclusion
View, Download, or Transmit – 3 rd Party	29.8%	1.4%
View, Download, or Transmit – Patient	87.0%	
Patient specific education	68.3%	1.5%
Secure messaging	100.0%	2.7%
Medication reconciliation	92.5%	8.6%
Health Information Exchange	46.6%	81.7%
Public Health Reporting - Immunization Registry	91.5%	37.0%
Public Health Reporting - Syndromic Surveillance Registry	73.9%	63.1%
Public Health Reporting - Specialized Registry	84.0%	49.5%



EH Modified Stage 2 Performance, and Exclusion – Stage 1 Attesters

	Performance	Exclusion
Protect patient health information	100%	NA
Electronic prescribing	55.8%	70.2%
Clinical Decision Support	100%	NA
Alternative CPOE Measure – Medication Orders	84.9%	51.2%
CPOE – Laboratory Orders	83.9%	
CPOE – Radiology Orders	86.4%	
CPOE – Medication Orders	90.3%	
View, Download, or Transmit by 3 rd Party	17.9%	51.2%
View, Download, or Transmit by Patient	88.4%	N/A



EHR Modified Stage 2 Performance, and Exclusion – Stage 1 Attesters

	Performance	Exclusion
Patient Specific Education	81.8%	NA
Medication Reconciliation	89.5%	NA
Health Information Exchange	55.5%	65.6%
Public Health Reporting - Electronic Reportable Laboratory Result Reporting	79.9%	14.4%
Public Health Reporting - Immunization Registry Reporting	95.0%	13.4%
Public Health Reporting - Specialized Registry Reporting	30.1%	26.8%
Public Health Reporting - Syndromic Surveillance Reporting	86.0%	29.8%



EHR Modified Stage 2 Performance, and Exclusion – Stage 2 Attesters

	Performance	Exclusion
Protect patient health information	100%	NA
Electronic prescribing	52.8%	82.0%
Clinical Decision Support	100%	NA
CPOE – Laboratory Orders	77.4%	NA
CPOE – Radiology Orders	79.2%	NA
CPOE – Medication Orders	84.3%	NA
View, Download, or Transmit by 3 rd Party	13.8%	1.2%
View, Download, or Transmit by Patient	88.2%	NA



EH Modified Stage 2 Performance, and Exclusion – Stage 2 Attesters

	Performance	Exclusion
Patient Specific Education	75.5%	NA
Medication Reconciliation	88.1%	NA
Health Information Exchange	40.7%	NA
Public Health Reporting - Electronic Reportable Laboratory Result Reporting	99.3%	6.6%
Public Health Reporting - Immunization Registry Reporting	99.6%	4.6%
Public Health Reporting - Specialized Registry Reporting	30.1%	25.9%
Public Health Reporting - Syndromic Surveillance Reporting	98.3%	19.2%



For questions, please contact:

Elisabeth Myers

**Office of E-Health Standards and Services
Centers for Medicare & Medicaid Services**

elisabeth.myers@cms.hhs.gov