

## Summary of Contents:

The ensuing table defines measures that are associated with the ONC Health IT Dashboard project, Health IT Adoption & Use dashboard, which is located at: <http://dashboard.healthit.gov/hitadoption>. Similar to the presentation of measures in the dashboard, the measures in the following tables are organized into the following groups, which are based on the unique sources of data:

- Office-Based Providers
- Non-Federal Acute Care Hospitals
- Electronic Prescribing
- Healthcare Provider estimates

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## Document History:

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### Measure Area: Office-Based Providers

**Source:** National Ambulatory Medical Care Survey, EMR Supplement

Centers for Disease Control and Prevention (CDC), National Centers for Health Statistics (2012)

<http://www.cdc.gov/nchs/ahcd.htm>

Measure Title	Measure Description	Survey Question	Measure Area
Adoption of Basic Electronic Health Records (Overall)	The percent of office based providers in the US that answered "YES" or "YES, but turned off or not used." NAMCS defines "basic" EMR as a system that has of all of the following functionalities: patient history and demographics, patient problem list, physician clinical notes, comprehensive list of patient's medications and allergies, computerized orders for prescriptions, and ability to view laboratory and imaging results electronically.	Please indicate whether the reporting location has each of the computerized capabilities listed below (question includes a grid of EMR functionalities).	Adoption of Electronic Health Records
Adoption of Basic Electronic Health Records (Primary Care)	The percent of office based PRIMARY CARE providers in the US that answered "YES" or "YES, but turned off," to the question, an inventory of basic EMR capabilities. NAMCS defines the following specialties as primary care: general/family practice, internal medicine, obstetrics/gynecology, pediatrics.	Please indicate whether the reporting location has each of the computerized capabilities listed below.	Adoption of Electronic Health Records
Adoption of Basic Electronic Health Records (Rural)	The percent of office based practices based in rural areas that answered "YES" or "YES but turned off," to the question about the inventory of basic EMR capabilities. NAMCS defines any areas outside of a Metropolitan Statistical Area as rural.	Please indicate whether the reporting location has each of the computerized capabilities listed below.	Adoption of Electronic Health Records

Measure Title	Measure Description	Survey Question	Measure Area
Adoption of Basic Electronic Health Records (Small Practices)	The percent of office based practices consisting of 10 physicians or less that answered "YES" or "YES but turned off," to the question on EHR functionalities.	1) Is the reporting practice a solo practice, or are you associated with other physicians in a partnership, in a group practice or in some other way? 2) How many physicians are associated with you at the reporting location? 3) Please indicate whether the reporting location has each of the computerized capabilities listed below.	Adoption of Electronic Health Records
Capability to View Lab Results Electronically (with EHR)	The percent of respondents that have a computerized system to view lab results and have an EHR system. These respondents answered "YES all electronic" or "YES, part paper part electronic" to question about using an EHR/EMR and "YES" or "YES but turned off" to the question about viewing lab results.	1) Does the reporting location use an electronic medical record (EMR) or electronic health record (EHR) system? 2) Does the reporting location have a computerized system for viewing lab results?	Health Information Exchange
Capability to View Lab Results Electronically (without EHR)	The percent of respondents that have a computerized system to view lab results and do not have an EHR system. These respondents answered "NO" or "UNKNOWN" to question the question on using an EHR/EMR and "YES" or "YES but turned off" to the question about viewing lab results.	1) Does the reporting location use an electronic medical record (EMR) or electronic health record (EHR) system? 2) Does the reporting location have a computerized system for viewing lab results?	Health Information Exchange (lab results)

<b>Measure Title</b>	<b>Measure Description</b>	<b>Survey Question</b>	<b>Measure Area</b>
Capability to View Lab Results Electronically (overall capability)	The total percent of respondents that have a computerized system in place for viewing lab results with our without an EHR. Respondents in this category answered "YES" or "YES but turned off."	Does the reporting location have a computerized system for viewing lab results?	Health Information Exchange (lab results)
Capability to Order Lab Tests Electronically	The total percent of respondents that have a computerized system in place for ordering lab results. Respondents in this category answered "YES" to the questions.	1) Does the reporting location have a computerized system for ordering lab results? 2) If yes, are orders sent electronically?	Health Information Exchange (lab results)
Capability to Exchange secure messages with patients	The total percent of respondents that have computerized capabilities to exchange secure messages with patients regarding their care. Respondents in this category answered "YES" or "YES but turned off" to the question.	Does the reporting location have a computerized system for exchanging secure messages with patients?	Health Information Exchange, Patient Engagement
Capability to Provide patients with clinical summaries for each visit	The total percent of respondents that have computerized capabilities to provide patients with clinical care summaries after each patient visit. Respondents in this category answered "YES" or "YES but turned off."	Does the reporting location have a computerized system for providing patients with clinical summaries for each visit?	Health Information Exchange, Patient Engagement
Capability to exchange patient clinical summaries electronically with any other providers	The total percent of respondents who share clinical information with other with providers. Respondents in this category answered "YES, Send summaries," "YES, Receive summaries" or "YES, send and receive summaries." These respondents were prompted to complete the question.	Do you exchange patient clinical summaries with any other providers?	Health Information Exchange

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Measure Title	Measure Description	Survey Question	Measure Area
If yes, Office- Based Physicians' method for electronically share patient health information	The percent of office-based providers sharing clinical summaries electronically by different methods. Options listed were: 1) Through EMR/EHR vendor; 2) Through hospital based system; 3) Through health information organization or state exchange; 4) Through secure email attachment; 5) Other.	1) How do you electronically send or receive patient clinical summaries? 2) Check all that apply.	Health Information Exchange

**Measure Area: Non-Federal Acute Care Hospitals**

**Source:** American Hospital Association Annual Survey, IT Supplement

Measure Title	Measure Description	Survey Question	Measure Area
Adoption of Basic Electronic Health Records (without Clinicians Notes)	The percent of non-federal acute care hospitals that have a functioning that reported having EMR/EHR systems that have the suite of functionalities listed in the previous cell.	This measure was obtained using a combination of questions about EHR/EMR functionalities. The questions were obtained from a subset of questions from a question inventory of EMR functionalities. Does your hospital currently have a computerized system which allows for: (Electronic Clinical Documentation) a. Patient demographics, d. Problem lists, e. Medication lists, f. Discharge summaries; (Results Viewing) a. Laboratory Reports, b. Radiology Reports, d. Diagnostic test results; (CPOE) c. Medications.	Adoption of Electronic Health Records
Hospitals sharing laboratory results electronically with all providers outside their system	The percent of hospitals that are sharing patient data with providers outside their system.	Does your hospital electronically exchange/share clinical/summary care record with any of the providers listed below? (check all that apply- 1) With hospitals in your system; 2) With hospitals outside your system; 3) With ambulatory providers inside of your system; 4) With ambulatory providers outside of your system.	Health Information Exchange

Measure Title	Measure Description	Survey Question	Measure Area
Hospitals sharing laboratory results electronically with hospitals outside their system	The percent of providers that are sharing patient data with hospitals outside their system. This was determined from the number of respondents who selected "With hospitals outside of your system."	Does your hospital electronically exchange/share clinical/summary care record with any of the providers listed below? (check all that apply)	Health Information Exchange
Hospitals sharing laboratory results electronically with ambulatory providers outside their system	The percent of providers that are sharing patient data with ambulatory providers outside their system. This was determined from the number of respondents who selected "With ambulatory providers outside of your system."	Does your hospital electronically exchange/share clinical/summary care record with any of the providers listed below? (check all that apply)	Health Information Exchange
Capability to provide patients with an electronic copy of their health information	The percent of respondents who provide patients with an electronic copy of their health information within 3 days of a visit. Respondents in this category replied "YES" to the question.	Is your current system capable of providing patients with an electronic copy of their health information that includes all of the following: diagnostic results, problem lists, medication lists, allergies, and discharge summaries within 3 business days?	Patient Engagement

Measure Title	Measure Description	Survey Question	Measure Area
Exchanging clinical care summaries with providers outside their system	The percent of hospitals that are sharing clinical summaries and patient data with providers outside of their system.	Does your hospital electronically exchange/share clinical or summary care record with any of the providers listed below? (check all that apply- 1) With hospitals in your system; 2) With hospitals outside your system; 3)With ambulatory providers inside of your system; 4) With ambulatory providers outside of your system.	Health Information Exchange
Exchanging clinical care summaries with hospitals outside their system	The percent of providers that are sharing patient data with hospitals outside their system. This was determined from the number of respondents who selected "With hospitals outside of your system."	Does your hospital electronically exchange/share clinical or summary care record with any of the providers listed below? (check all that apply	Health Information Exchange
Exchanging clinical care summaries with ambulatory providers outside their system	The percent of providers that are sharing patient data with ambulatory providers outside their system. This was determined from the number of respondents who selected "With ambulatory providers outside of your system."	Does your hospital electronically exchange/share clinical or summary care record with any of the providers listed below? (check all that apply	Health Information Exchange

**Measure Area: Electronic Prescribing**Source: Surescripts <http://www.surescripts.com>

Measure Title	Measure Description	Survey Question	Measure Area
Electronic Prescribing	This value is the aggregate number of e-prescribers that are prescribing on the Surescripts network.	The number of unique prescribers in a given zip code who are actively e-prescribing	E-prescribing
e-Prescribers Prescribing through an EHR and on Surescripts Network	This value is the aggregate number of prescribers that are actively e-prescribing with an EHR system on the Surescripts network.	The number of prescribers in the zip code who are actively e-Prescribing with an EHR system	E-prescribing
e-Prescribers using a Stand Alone System and on Surescripts Network	This value represents the aggregate number of e-prescribers on the Surescripts network that are using a stand alone system for e-prescribing.	Number of prescribers in the zip code who are actively e-prescribing using stand alone e-prescribing system.	E-prescribing
Primary Care Physicians e-Prescribing using an EHR on Surescripts Network	This value is the number of primary care providers that are e-prescribing on the Surescripts network. Primary care is defined as family practitioners, general practitioners, and pediatricians. This value is an aggregated count of the values for the three discrete PCP variable categories.	Primary care includes: family practitioner, general practitioner, and pediatrician	E-prescribing

Measure Title	Measure Description	Survey Question	Measure Area
Non-primary Care Physicians e-Prescribing using an EHR on Surescripts Network	This value represents the number of non-primary care physicians that are e-prescribing on the Surescripts network. This value is an aggregated count of the values for 20 specialty variable categories.	Non-primary care includes: cardiovascular disease, endocrinology metabolism, gastroenterologist, internist, nephrologist, neurologist, oncologist or hematologist, other pediatrics, psychiatrist, psychologist, orthopedic surgeon, general surgeon, other surgery, otolaryngologist, other specialty, dentist or oral surgeon, ophthalmologist, podiatrist, urologist, dermatologist, optometrist	E-prescribing
Nurse Practitioners e-Prescribing using an EHR on Surescripts Network	This value represents the aggregate number of nurse practitioners e-prescribing on the Surescripts network.	Number of nurse practitioners in a zip code who are actively e-prescribing.	E-prescribing
e-Prescribing using an EHR on Surescripts Network	This value represents the aggregate number of physicians assistants e-prescribing on the Surescripts network.	Number of Physicians Assistants in a county who are actively e-prescribing.	E-prescribing

Measure Title	Measure Description	Survey Question	Measure Area
Renewal Prescriptions Processed on the Surescripts Network	This value represents the number of prescriptions on the SS network that are renewals of existing prescriptions. This measure is updated monthly.	The number of electronic prescriptions that are renewal messages sent by prescribers in response to a pharmacy renewal requests.	E-prescribing
Medication History Requests on Surescripts Network	This is the number of medication histories sought on the Surescripts network and can be viewed as a measure of demand for medication history information among prescribers on the network .	Medication History Requests on Surescripts Network	E-prescribing
Medication History Responses on Surescripts Network	Medication History Responses are a measure of <i>exchange</i> : the number of medication histories sent across the Surescripts network.	Medication History Responses on the Surescripts Network	E-prescribing
Retail Community Pharmacies Enabled on the Surescripts Network	This value is the percent of pharmacies enabled to receive e-prescriptions on the Surescripts network. This value was derived from the variable Surescripts Network and a denominator of total retail pharmacies in the dataset. To support a realistic denominator of community pharmacies that could e-prescribe on the Surescripts network, the analysis included Chain, Franchise, and Independent Pharmacies. Medical Device Manufacturers, Nuclear, and Infusion and Government/Military pharmacies were excluded.	Indicates if the pharmacy is activated on the Surescripts Network to receive electronic prescriptions.	E-prescribing

Measure Title	Measure Description	Survey Question	Measure Area
Retail Pharmacies actively e-prescribing via Surescripts Network	This value indicates the number of Retail pharmacies that are enabled for e-prescribing on the Surescripts Network. This number was derived from the number of pharmacies categorized as retail pharmacies, as well as the number of pharmacies that were labeled "Yes" for e-prescribing. The denominator for community pharmacies was derived using the same method as the above variable.	Indicates if the pharmacy is activated on the Surescripts Network to receive electronic prescriptions.	E-prescribing
Physicians actively using an electronic health record to e-prescribe via Surescripts network	This value indicates the percent of physicians actively using an EHR to e-prescribe via the Surescripts network. This value was derived using the MDs and EHR Prescribers variables over a denominator of physicians in the US from SK&A.	Percent of physicians who are actively e-prescribing with an EHR.	E-prescribing

**Measure Area: Healthcare Provider Estimates**

Source: SK&A <http://www.skainfo.com>

Measure Title	Measure Description	Survey Question	Measure Area
Number of Health Care Providers	Count of providers by county and state.  The estimated total number of health care providers includes physicians, nurse practitioners, and physician assistants in ambulatory settings in 2011.	SK&A conducts a rolling survey of health care providers that enables them to maintain a database comprised of more than 1.2 million contacts in 265 thousand offices in a single physician lists. SK&A data are used by ONC and its grantees for estimating the location and specialty of health care providers.	Health care provider estimates
Number of Primary Care Providers	Count of providers by county and state.  The estimated total number of primary care providers includes physicians, nurse practitioners, and physician assistants in ambulatory settings in 2011 with specialties of general or family practice, pediatrics, geriatrics, or obstetrics and gynecology.	SK&A conducts a rolling survey of health care providers that enables them to maintain a database comprised of more than 1.2 million contacts in 265 thousand offices in a single physician lists. SK&A data are used by ONC and its grantees for estimating the location and specialty of health care providers.	Health care provider estimates