Rhode Island HIT Survey: 2015 Results and Trends

September 2015

Last updated 9/22/2015

Survey Objectives

1. To measure presence (structural measures) and use (process measures) of HIT by clinicians caring for Rhode Island patients

2. To capture HIT data for state agencies and other key stakeholders using single instrument (i.e., minimize data collection burden)
    - BCBSRI
    - CurrentCare
    - Department of Health grant reporting
    - Inventory Survey
    - Primary Care Physician Survey
    - QIN-QIO

Methods, 2015

- **Administered to all Licensed Independent Practitioners (LIPs):**
  - Advanced Practice Registered Nurses (APRNs)
  - Physicians
  - Physician Assistants (PAs)
- **Electronic survey instrument** sent via:
  - Hard copy mailing
  - If email available, email notification and up to two reminders
- **Analyses limited to LIPs:**
  - Licensed in Rhode Island
  - In active practice
  - Located in Rhode Island or an adjacent state (Connecticut or Massachusetts)

Changes to 2015 Process and Survey

- **Changes to Process**
  - Physician survey was sent in two clusters, DOH identified PCPs first, then others and PCP non-respondents
  - APRN/PA survey sent with second cluster of physician survey
  - Physician surveys included questions from the Primary Care Survey (Office of Primary Care and Rural Health)
  - Surveys collected practice information that was used for PCP and specialty office inventory surveys
- **Changes to Survey**
  - Addition of patient engagement questions and measure
  - Combined Basic EHR Use and Advanced EHR Use measures

Publicly-Reported Measures, 2015

1. **Presence of an Electronic Health Records (EHR)**: Defined as a clinical information system that tracks patient health data, and may include such functions as visit notes, prescriptions, lab orders, etc.

2. **Use of an EHR**: Among those with EHRs, level of use of functionality related to documentation and results management, decision support, external communication, order management, and reporting

3. **Use of an EHR for Patient Engagement**: Among those with EHRs, level of use of functionality related to patient access to their clinical information, patient education, and communication

4. **Use of E-Prescribing**: Transmitting prescriptions or medication orders electronically to a pharmacy

Last updated 9/22/2015

Changes to 2015 Practitioner Report

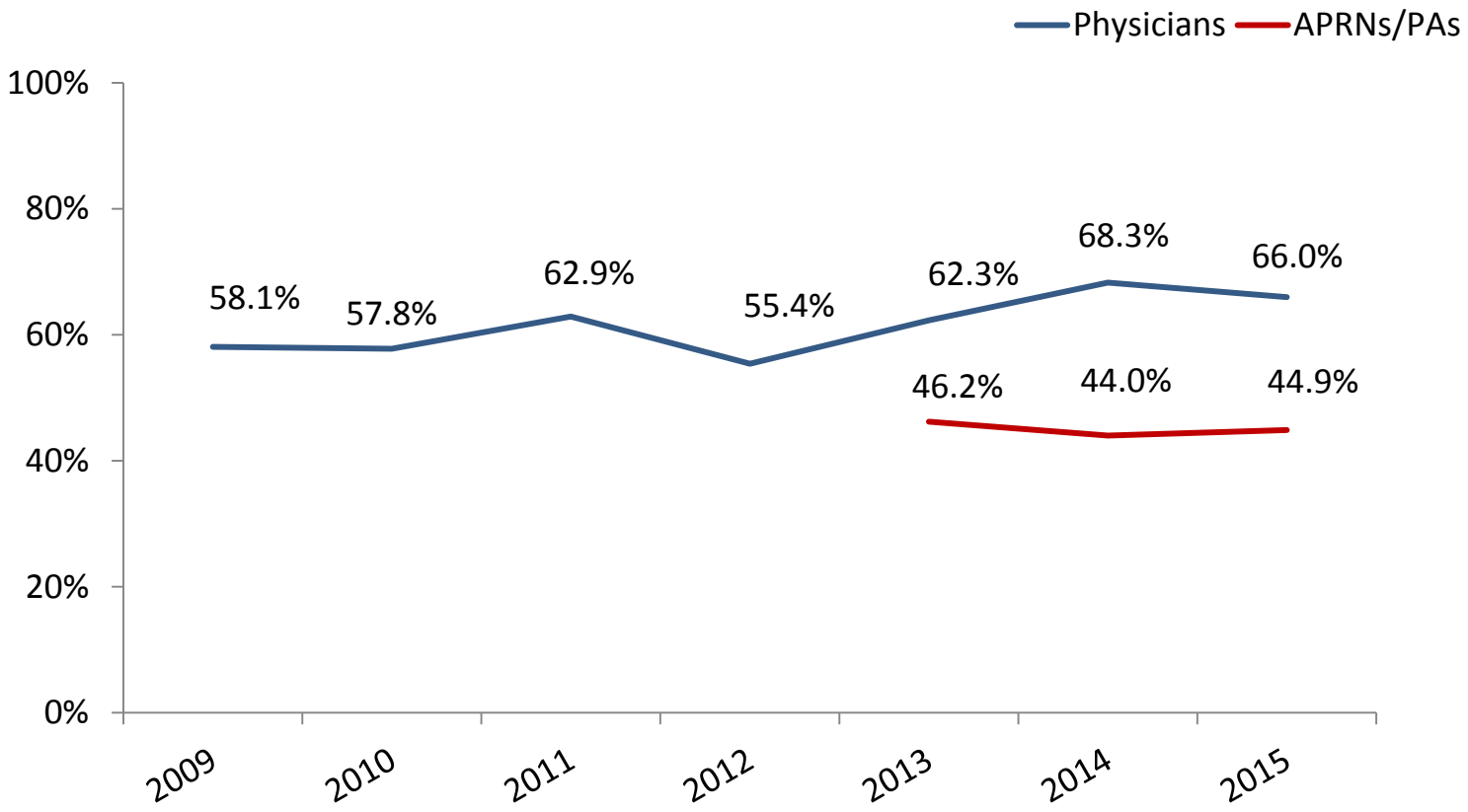
- **Publicly-reported measures in previous report format:**
  - Presence of EHR and use of e-Prescribing shown as yes/no
  - Basic and Advanced EHR use shown as a numerical score (0-100)
- **Publicly-reported measures in new report format:**
  - Level of EHR use and use of EHR for patient engagement shown as symbol
  - Symbols are easier to understand for those with low computational literacy
  - Circles, as opposed to stars or diamonds, help to differentiate between value and level of use

⍰○○ - Did not respond
●○○ - 1st Quartile of responses
●●○ - 2nd or 3rd Quartile of responses
●●● - 4th Quartile of responses

Last updated 9/22/2015

The HIT Survey has a relatively high response rate for a single-wave mailed survey. It is higher among physicians than APRNs/PAs.

Response rate by year (administration to APRNs/PAs began in 2013)



Last updated 9/22/2015

Physician Results

Overall Trends

Last updated 9/22/2015

The 2015 results provide a point-estimate of HIT adoption among physicians for the four publicly-reported measures.

Use of EHRs and e-prescribing, among respondents and all physicians

Measure	Survey Respondents (N=2,572)		All Physicians (N=3,898)	
	Population	Score	Population	Score
1. Physicians with EHRs, n (%)	2,572	2,290 (89.0%)	3,898	2,290 (58.8%)
2. EHR functionality use (0-100), median	2,290	75.0	--	--
3. Patient engagement EHR use (0-100), median	2,290	35.7	--	--
4. Physicians who are e-prescribing, n (%)	2,377	1,944 (81.8%)	3,703	1,944 (52.5%)

Non-respondents were reported as NOT using health information technology

Last updated 9/22/2015

EHR adoption is highest among hospital-based physicians, but office-based PCPs are more likely to use patient engagement functionality.

Respondents' use of EHRs and e-prescribing, by physician specialty and practice location

Measure	Setting		Office-Based Specialty		Overall Survey Respondents
	Office (N=1,621)	Hospital (N=951)	PCP (N=731)	Non-PCP (N=890)	(N=2572)
1. Physicians with EHRs, n (%)	1375 (84.8)	915 (96.2)	668 (91.4)	707 (79.4)	2290 (89.0)
2. EHR functionality use (0-100), median	75.0	75.0	82.1	64.3	75.0
3. Patient engagement EHR use (0-100), median	57.1	14.3	64.3	42.9	35.7
4. Physicians who are e-prescribing, n (%)	1,290 (82.4)	654 (80.6)	651 (90.4)	639 (75.5)	1,944 (81.8)

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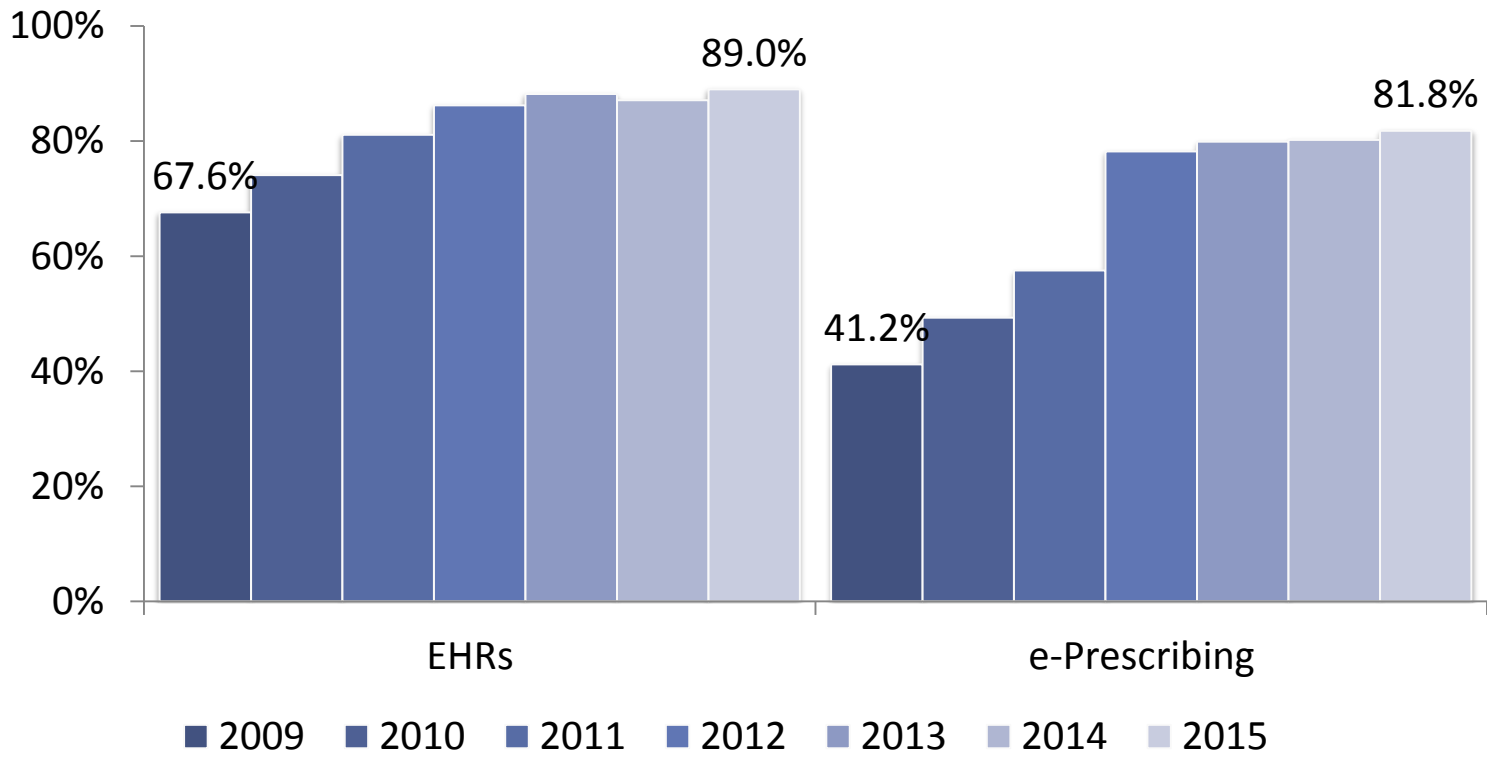
Adoption of EHRs and use of e-prescribing have been increasing since 2009. EHR adoption increased by nearly 31.6% and e-prescribing by 98.5%.

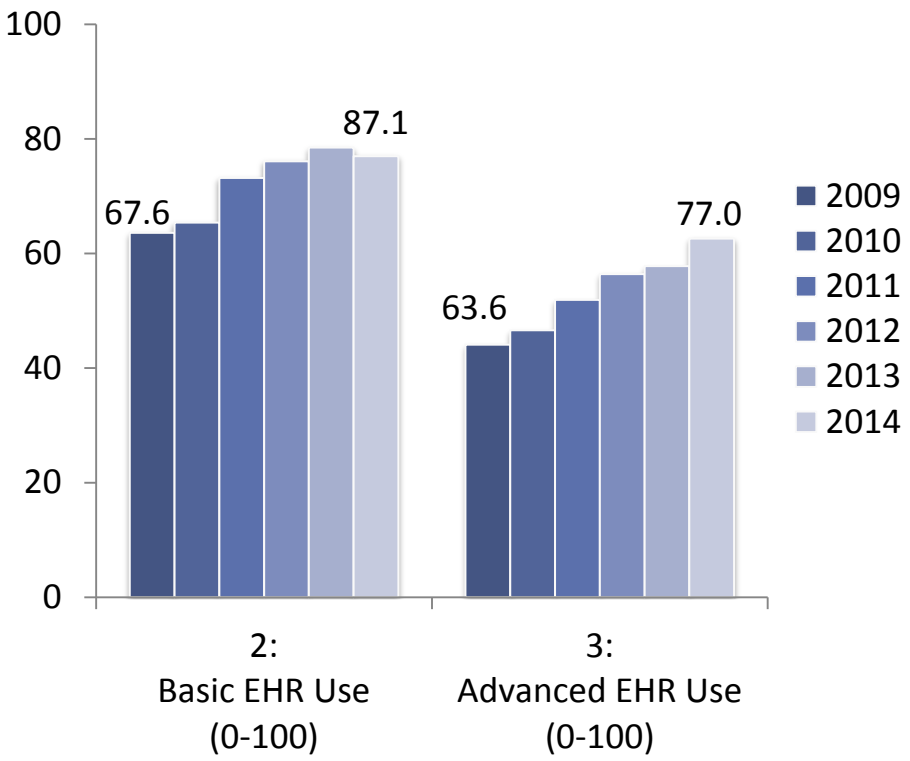
Survey respondents' use of EHRs and e-prescribing



Last updated 9/22/2015

Basic and Advanced EHR Use increased from 2009 to 2014. In 2015 we combined the data elements into a single measure, EHR Use.

Survey respondents' use of basic and advanced EHR functionality



2015 EHR Functionality Use:

75.0 out of 100

Last updated 9/22/2015

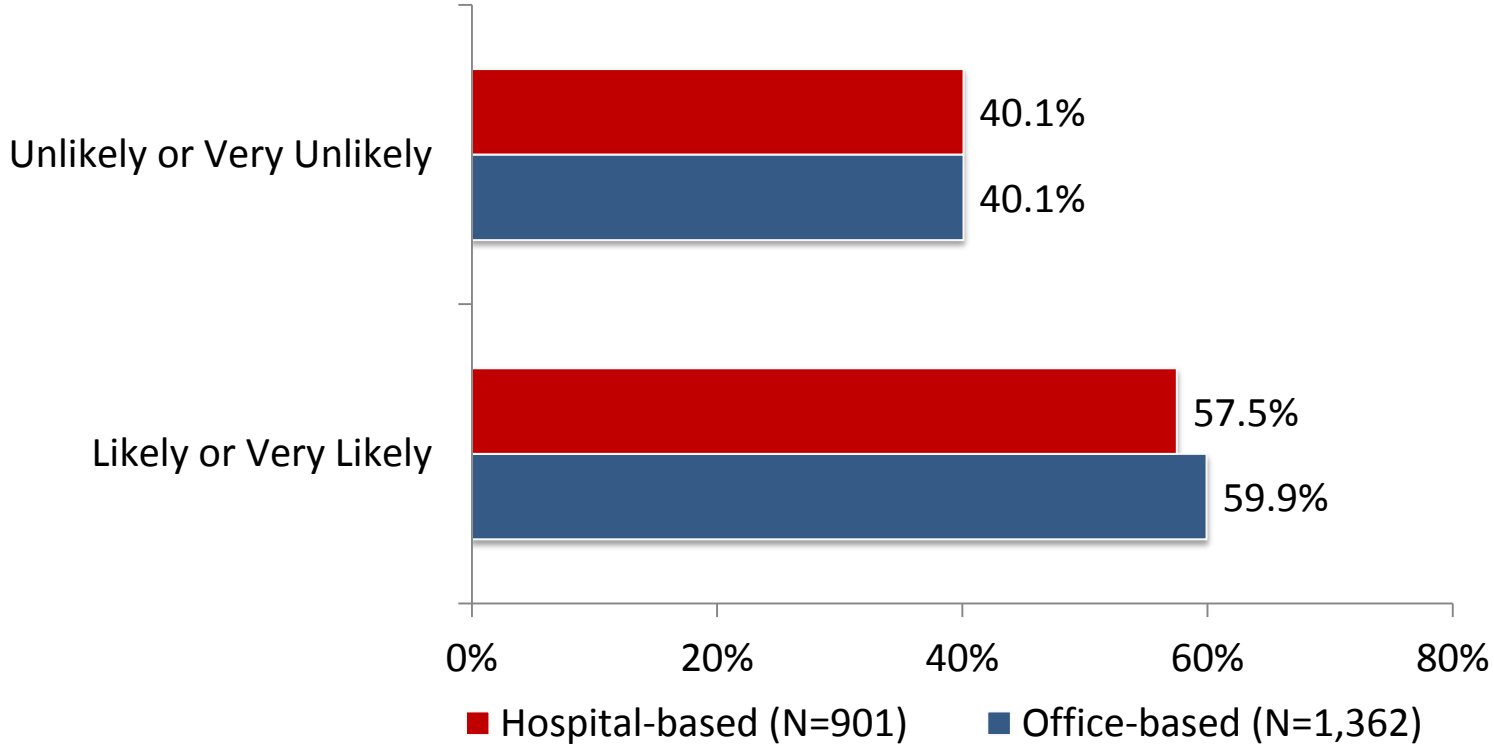
Physician Results

Impact of EHRs

Last updated 9/22/2015

More than half of office-based and hospital-based physicians would recommend their EHR vendor to a friend or colleague.

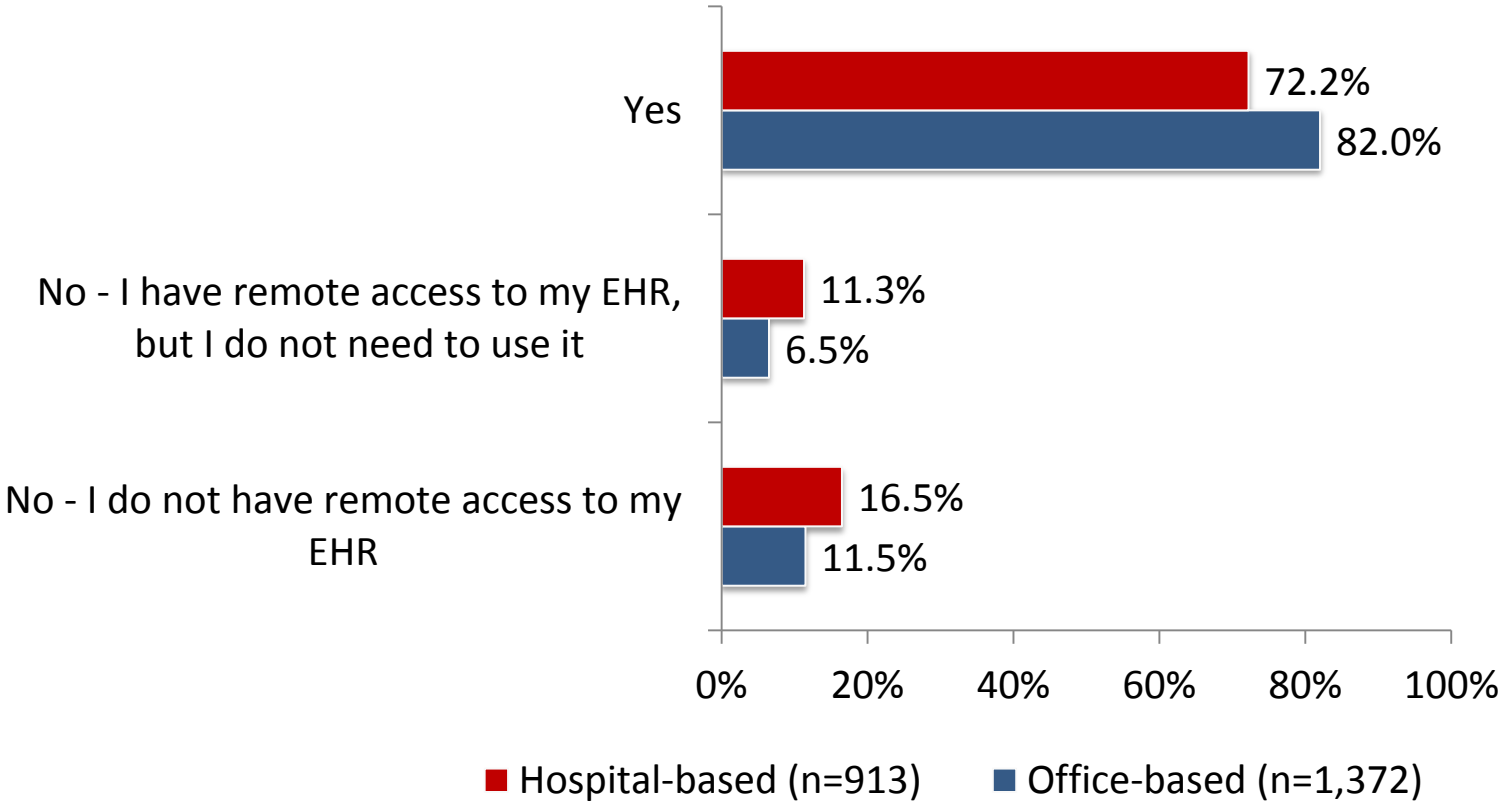
Likelihood of recommending current EHR vendor to friend or colleague



Last updated 9/22/2015

Most physicians have access to their EHR, and are using it, when they are away from their usual practice location.

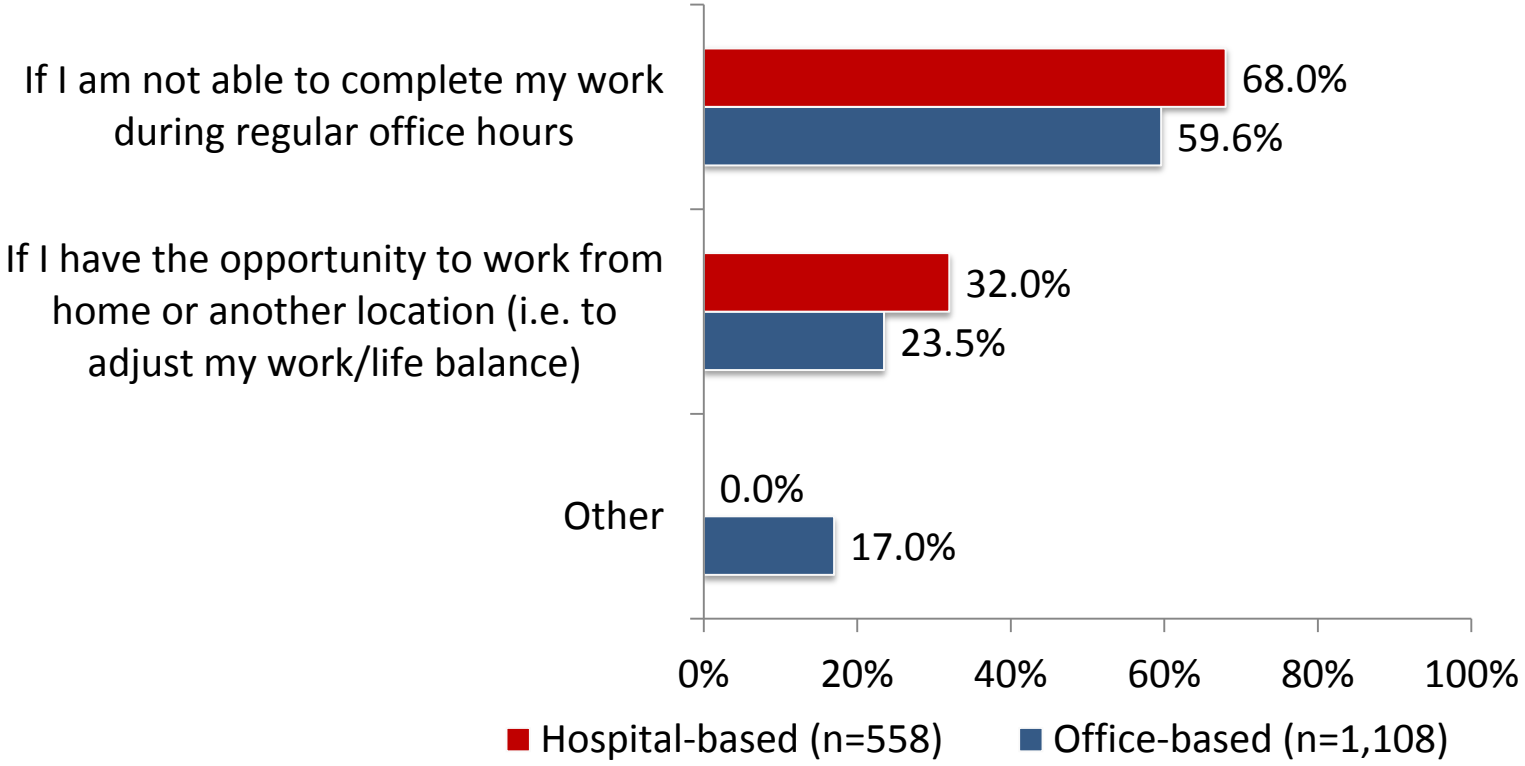
Percent of physicians who use their EHR outside of their usual practice location



Last updated 9/22/2015

Most physicians are using their EHR from other locations when they are not able to get things done during regular work hours.

Circumstances under which physicians access their EHR from other locations most often, by practice setting



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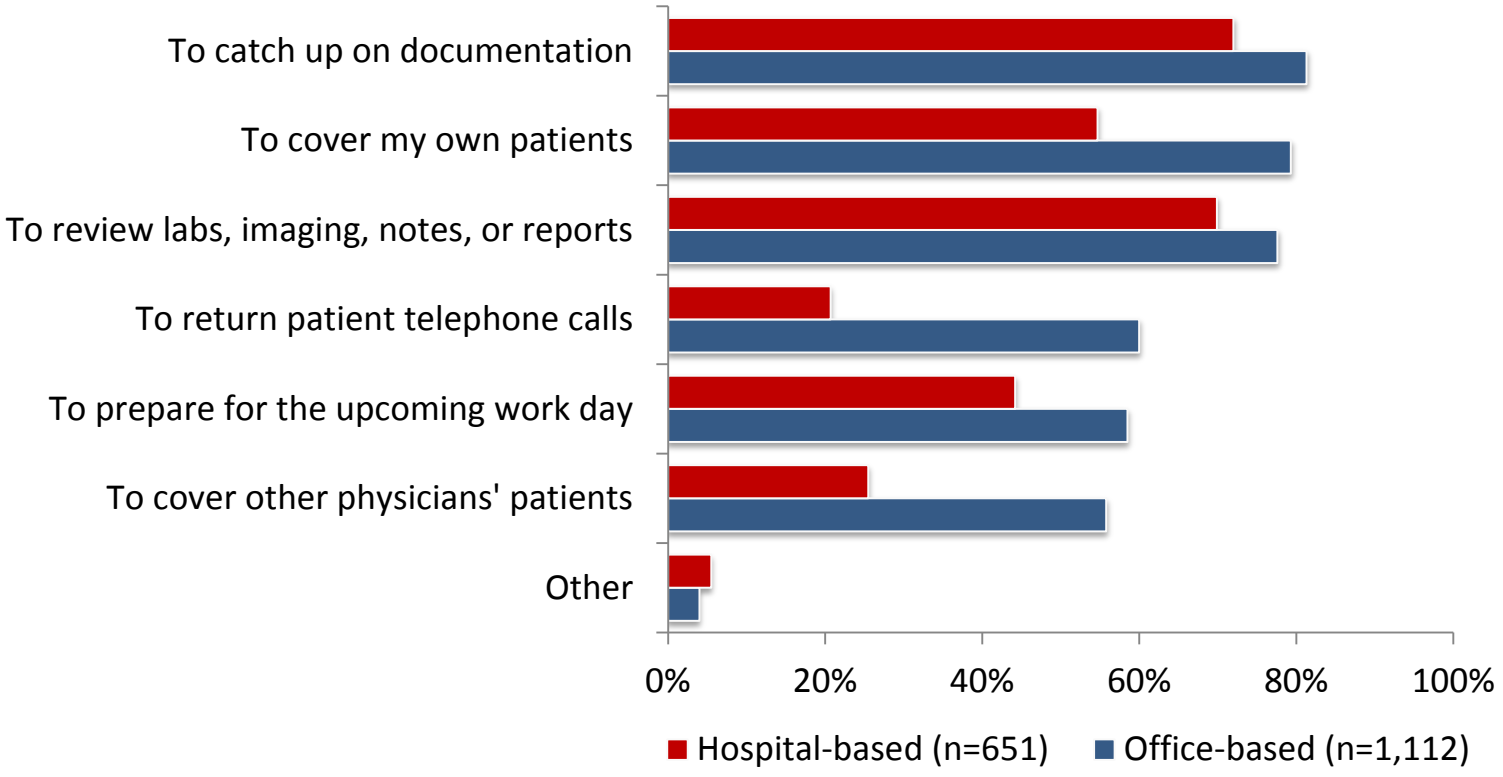
Physicians use their EHRs outside of their usual work location for a number of tasks, including catching up on documentation, covering patients, and reviewing labs, imaging, notes or reports.

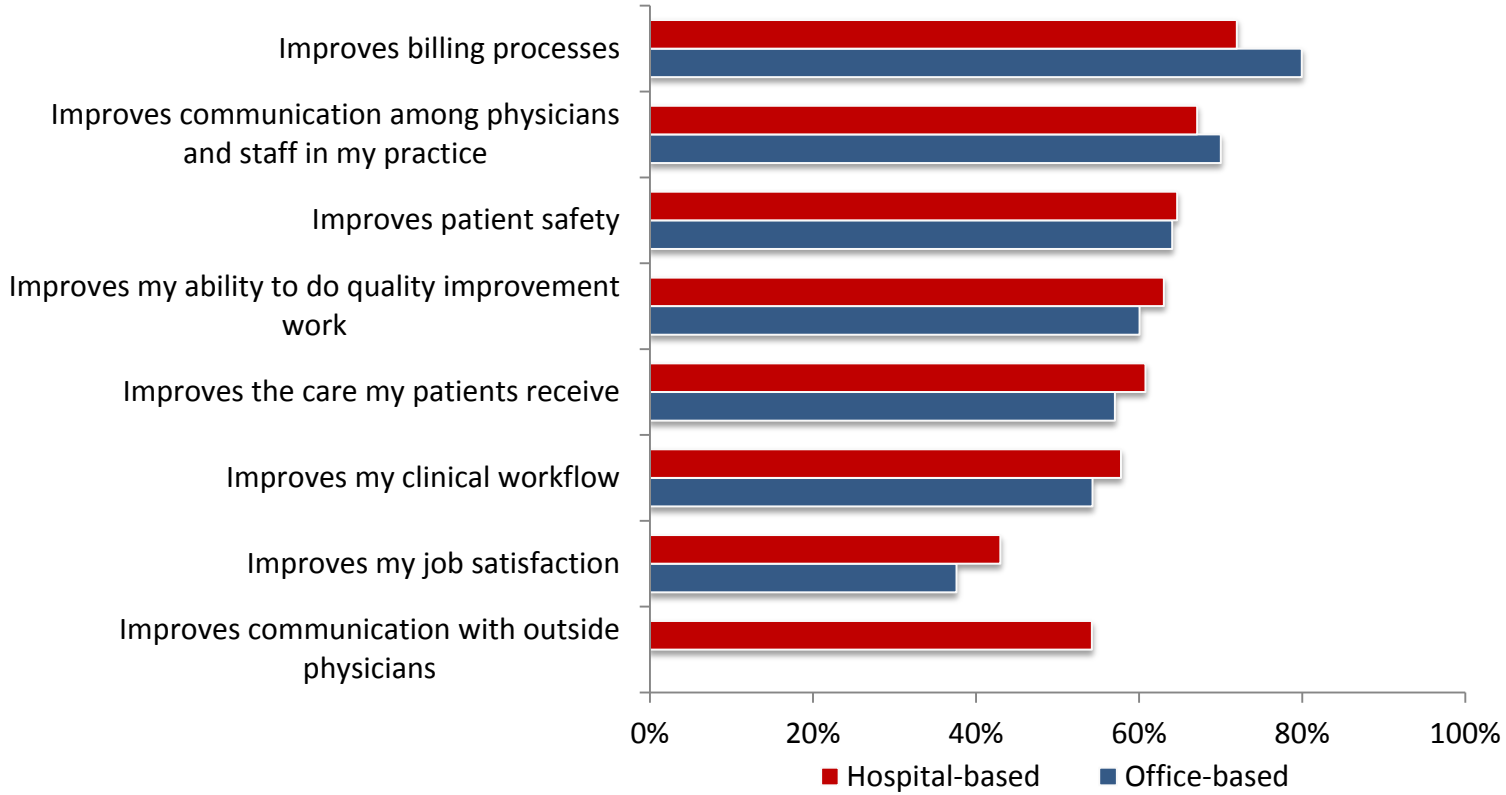
Percent of physicians who use their EHR outside of their usual location for the following tasks…



Last updated 9/22/2015

Though more than two thirds of physicians say that EHRs improve communication, fewer than half say that it improves their job satisfaction.

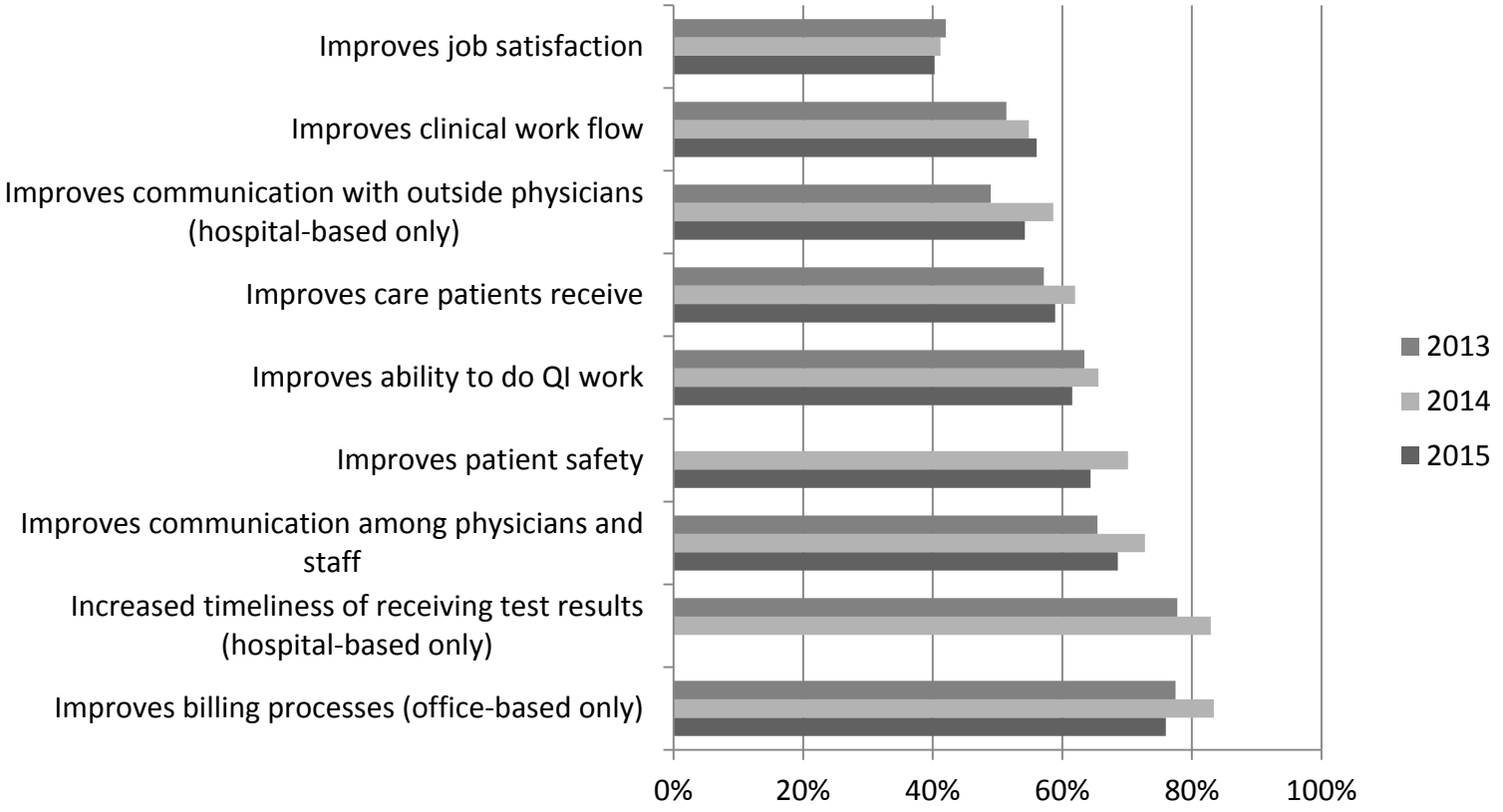
Percent of physicians who "agree" or "strongly agree" that using an EHR…



Last updated 9/22/2015

Compared to 2014, physicians' agreement *decreased* for all statements about how EHRs improve care, *except* that EHRs improve clinical workflow

% of physicians who "agree or strongly agree" that EHRs…



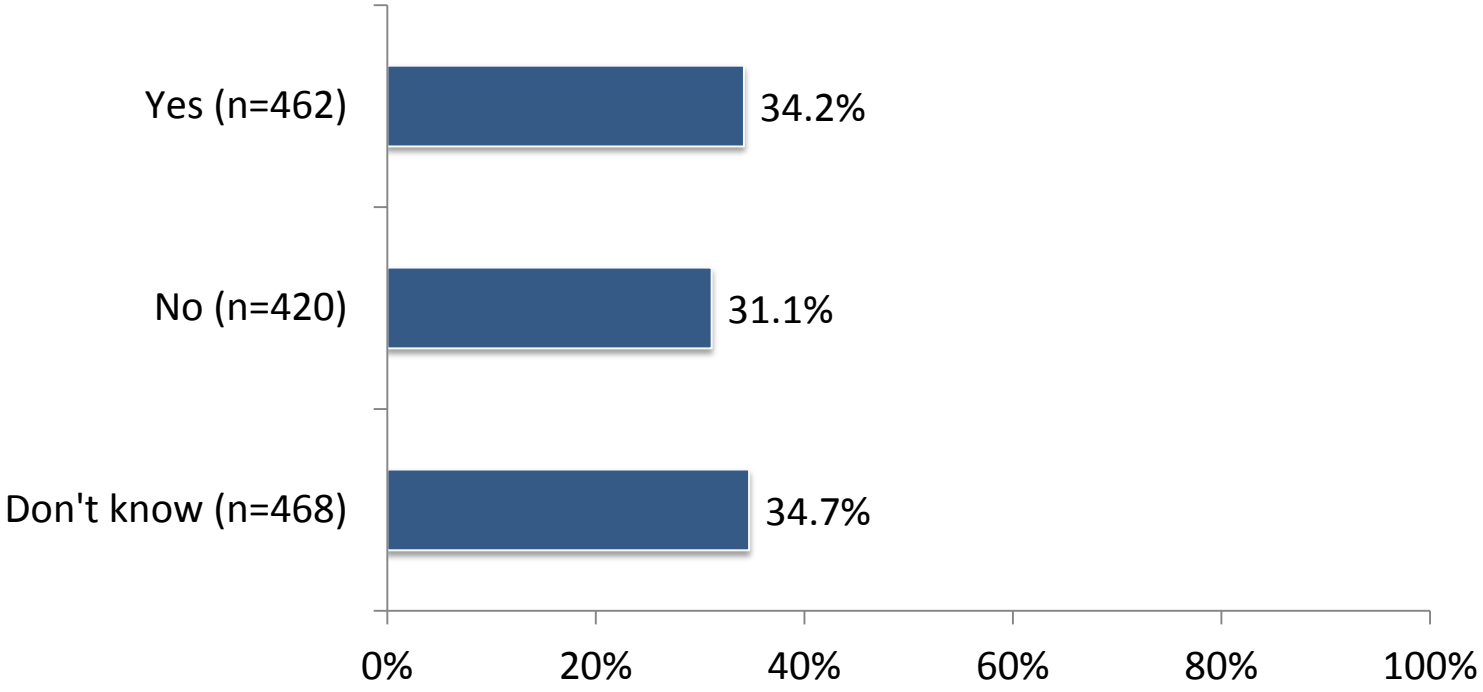
Physician Results

Population Health Management

Last updated 9/22/2015

Approximately one third of office-based physicians are using their EHR for population health management. The same number is not aware if this is happening.

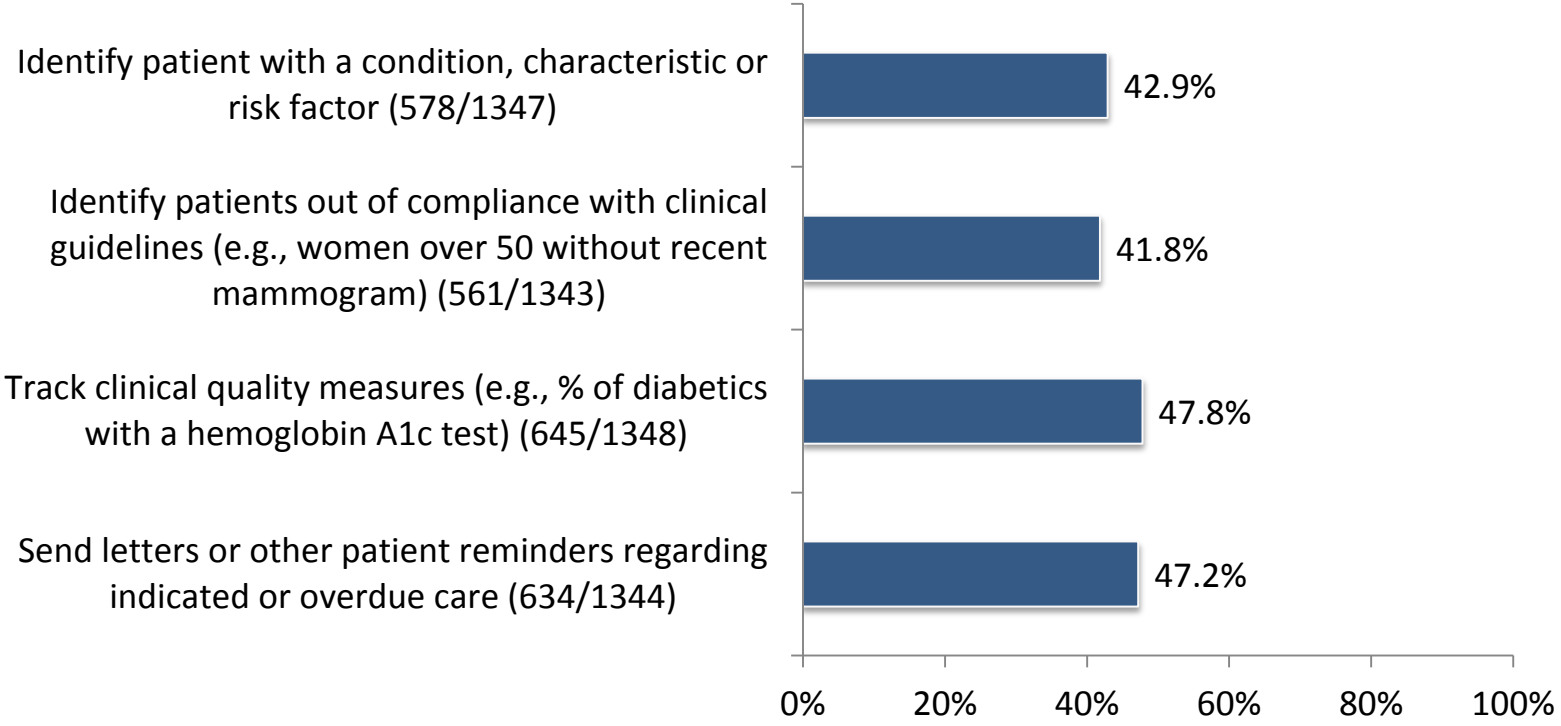
Percent of physicians using their EHR for population health management (N=1,350)



Last updated 9/22/2015

Tracking quality measures and sending patient reminders are among the most common ways that office-based physicians use their EHRs for population health management.

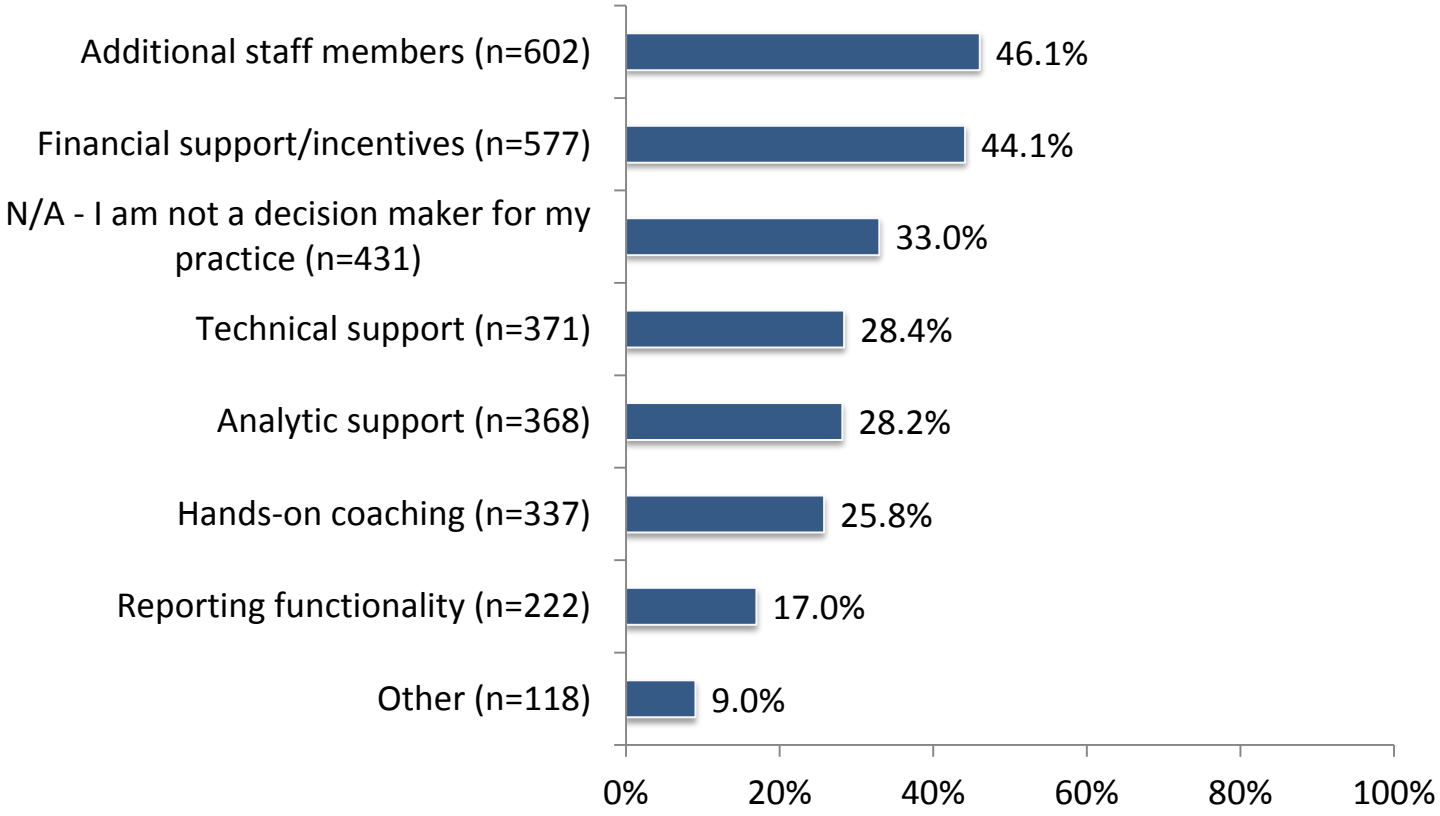
Percent of physicians who use their EHR to…



Last updated 9/22/2015

Among those not using their EHR for population health management, almost half say that they would need additional staff or financial support to do so.

Percent of physicians who thought it would take the following for them to use their EHR for population health management… (N=1,307)



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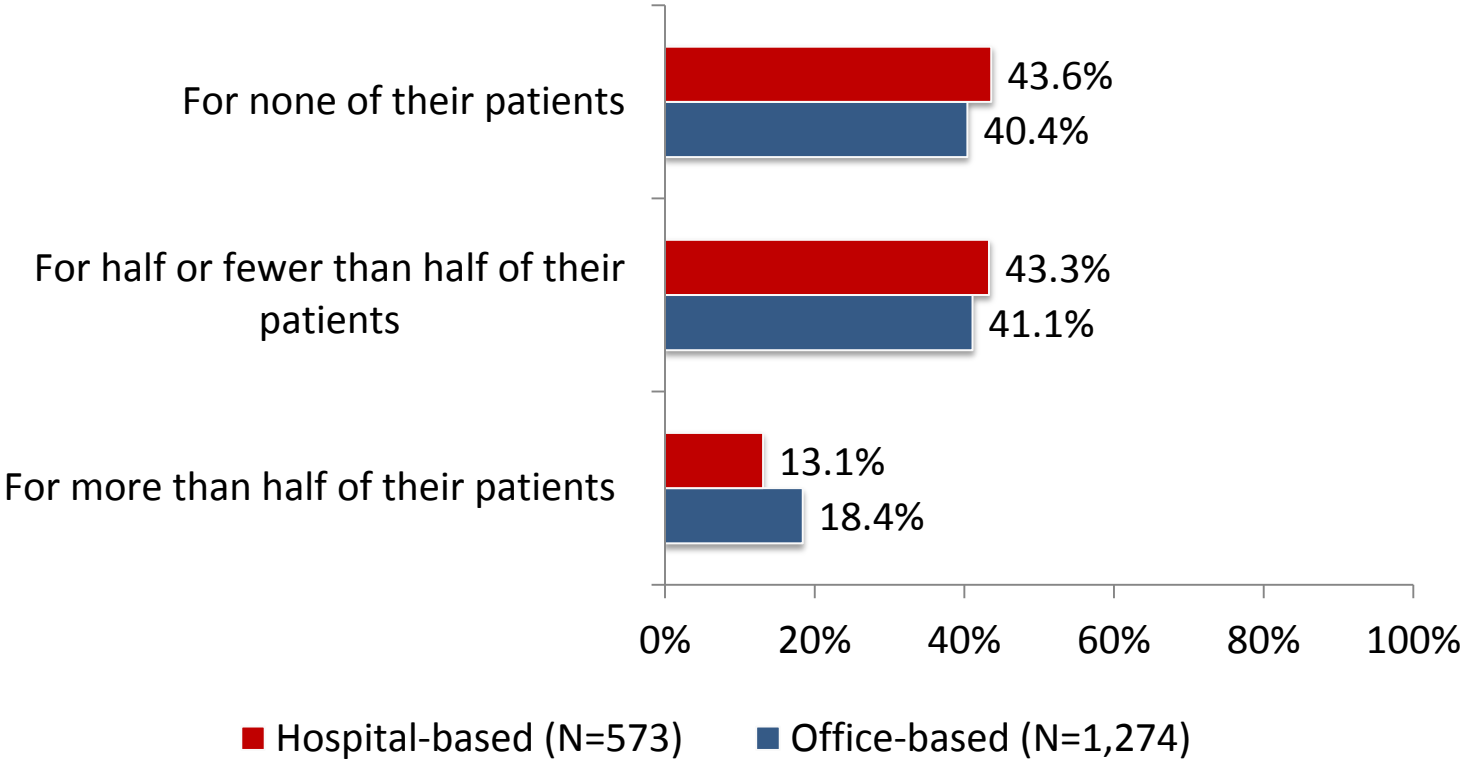
Among physicians who prescribe opioids or benzodiazepines, more than half consult the Prescription Monitoring Program (PMP) at least some of the time.

Percent of physicians who consult the PMP before prescribing (N=1,847)



Last updated 9/22/2015

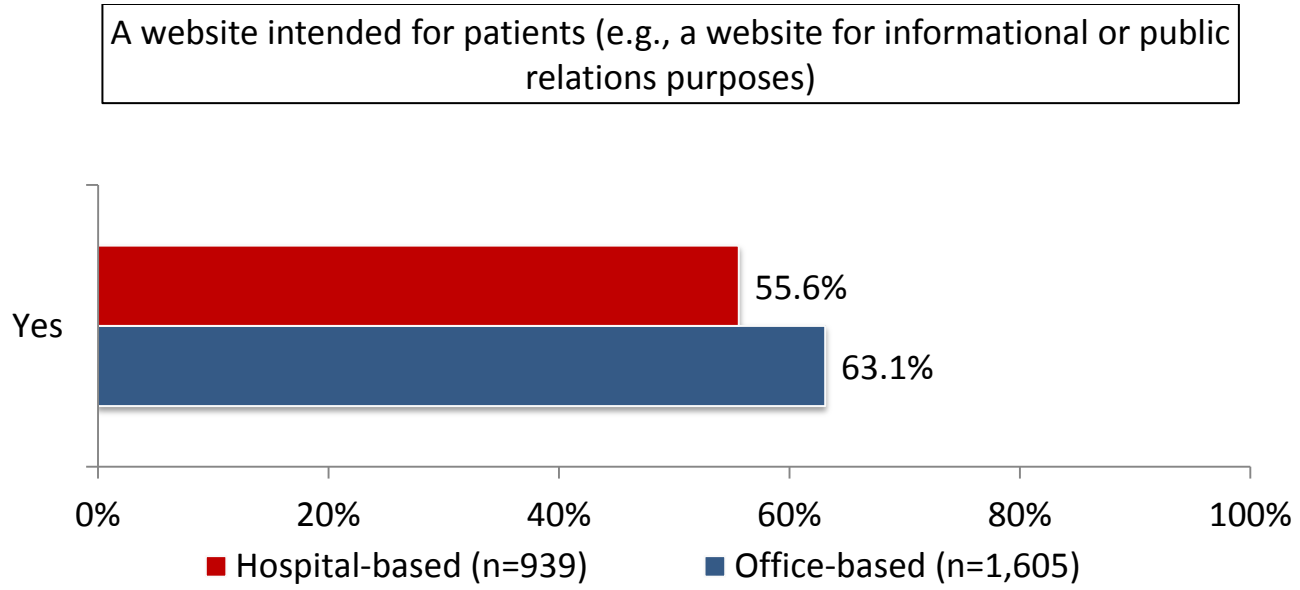
Physician Results

Communication

Last updated 9/22/2015

Some physician practices use technology other than an EHR with their patients.

Percent of physicians whose practice has…



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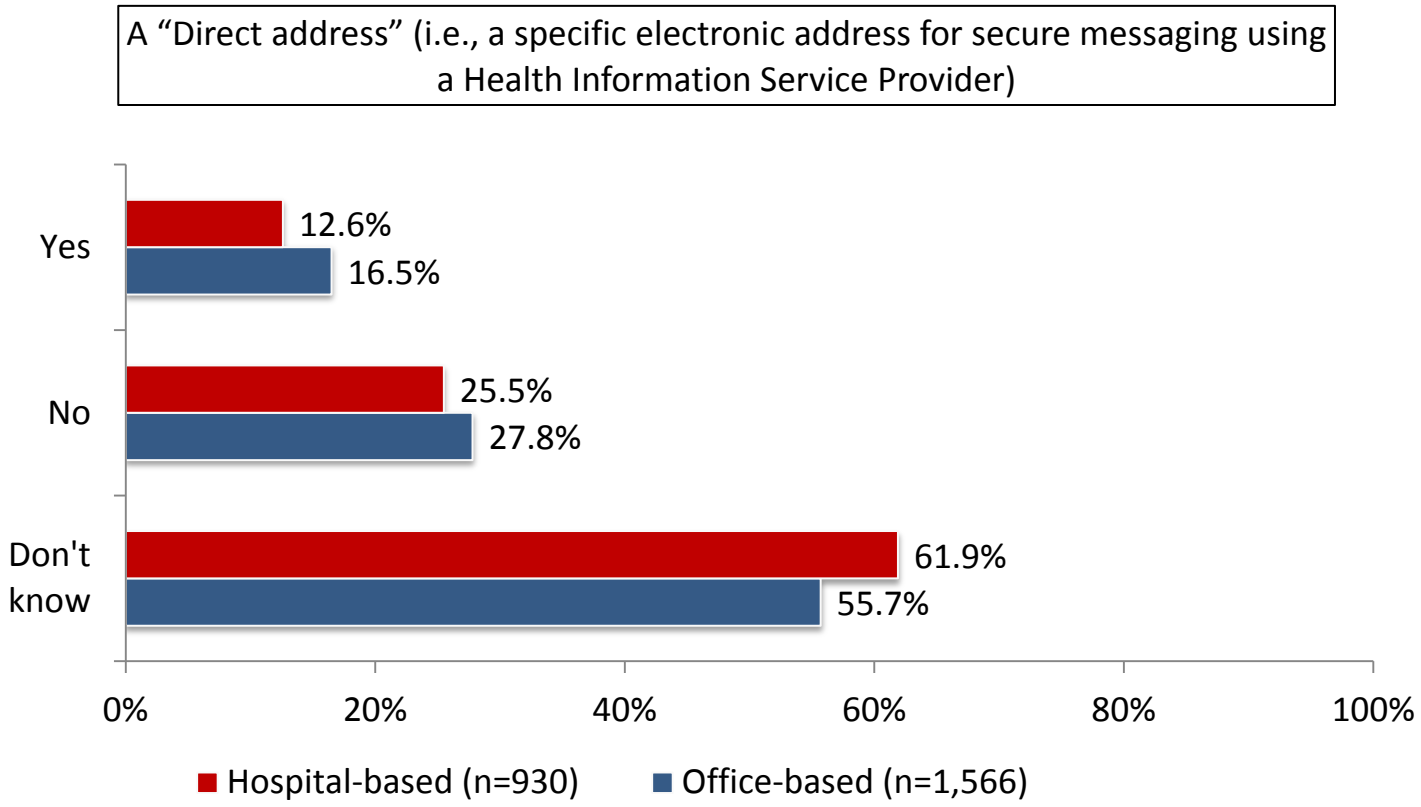
Some physician practices use technology other than an EHR to communicate with other practices.

Percent of physicians whose practice…



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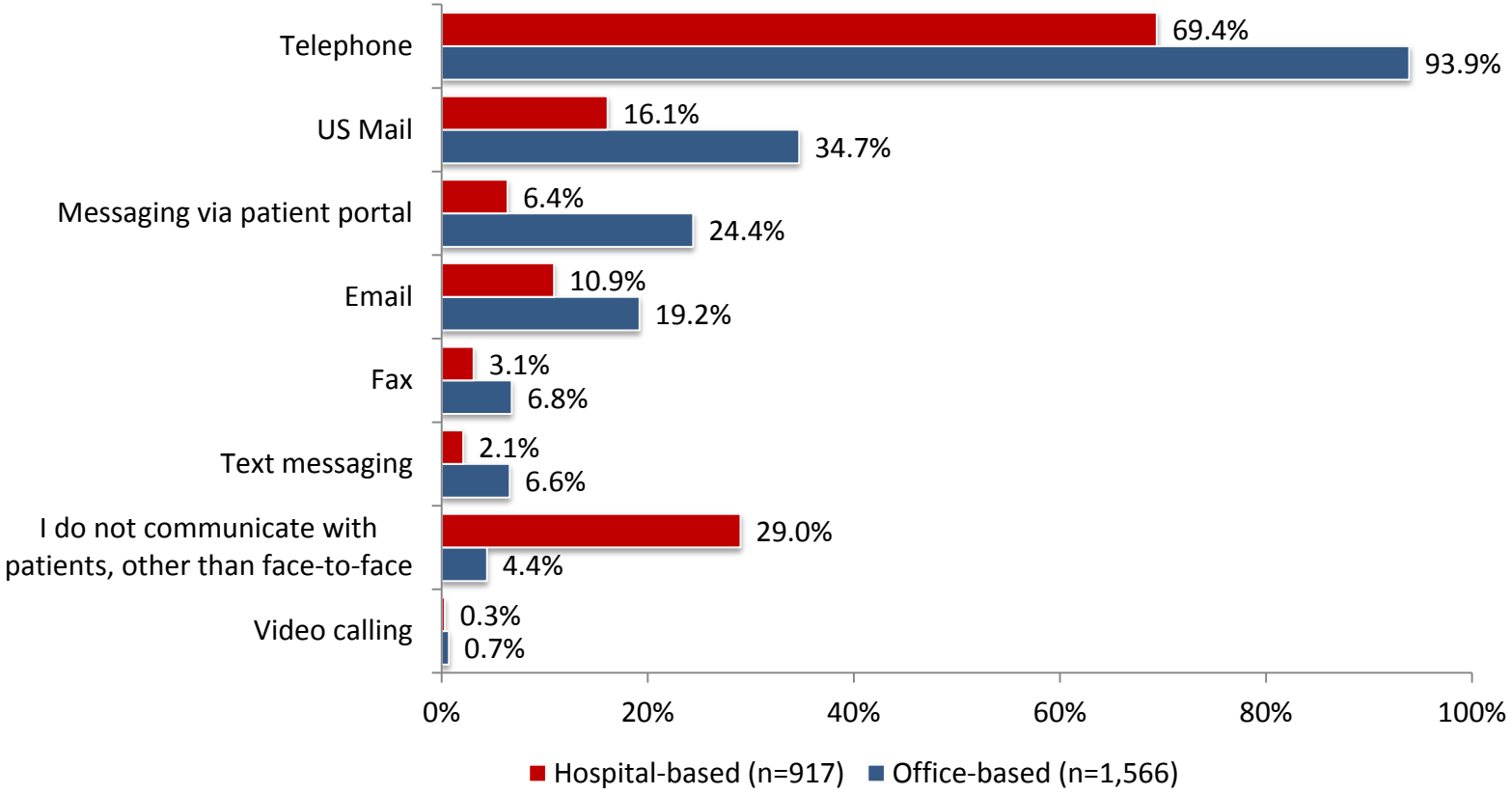
Most physicians use the phone and the postal service to communicate with patients outside of in-person visits.

Percent of physicians who personally communicate with their patients using…



Last updated 9/22/2015

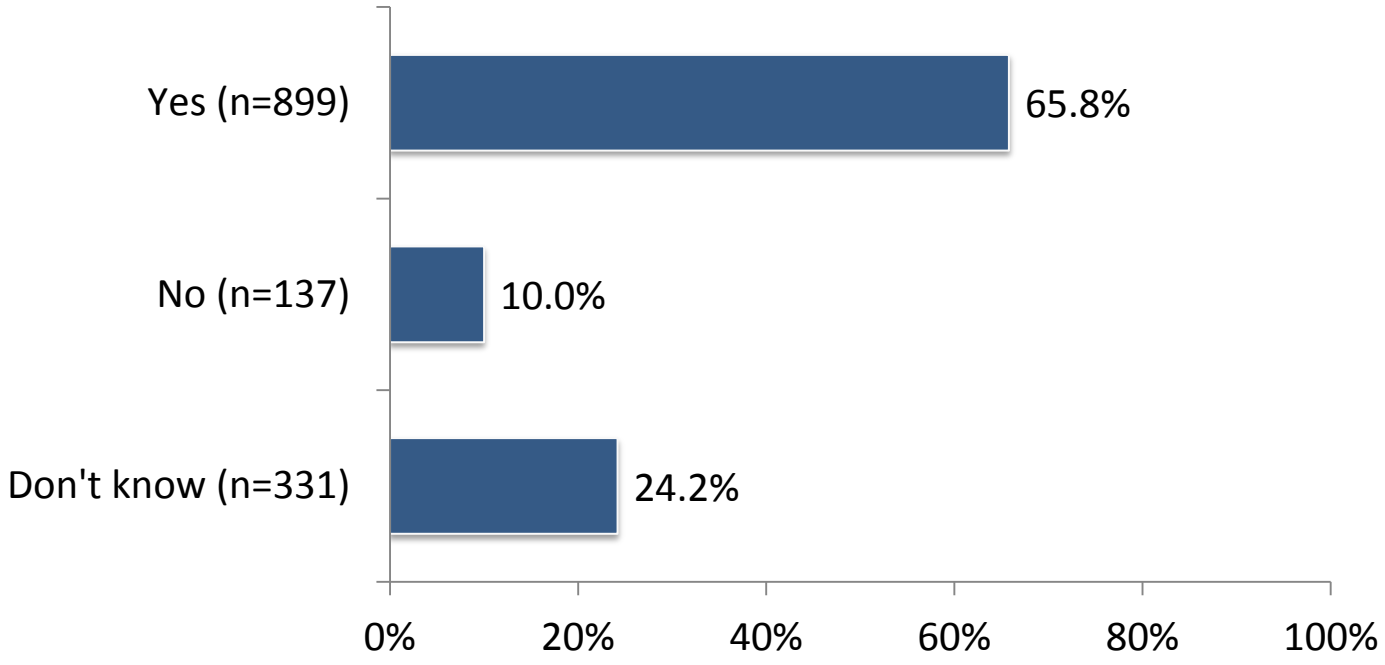
Physician Results

Meaningful Use

Last updated 9/22/2015

About two-thirds of office-based physicians report that they have attested to Meaningful Use.

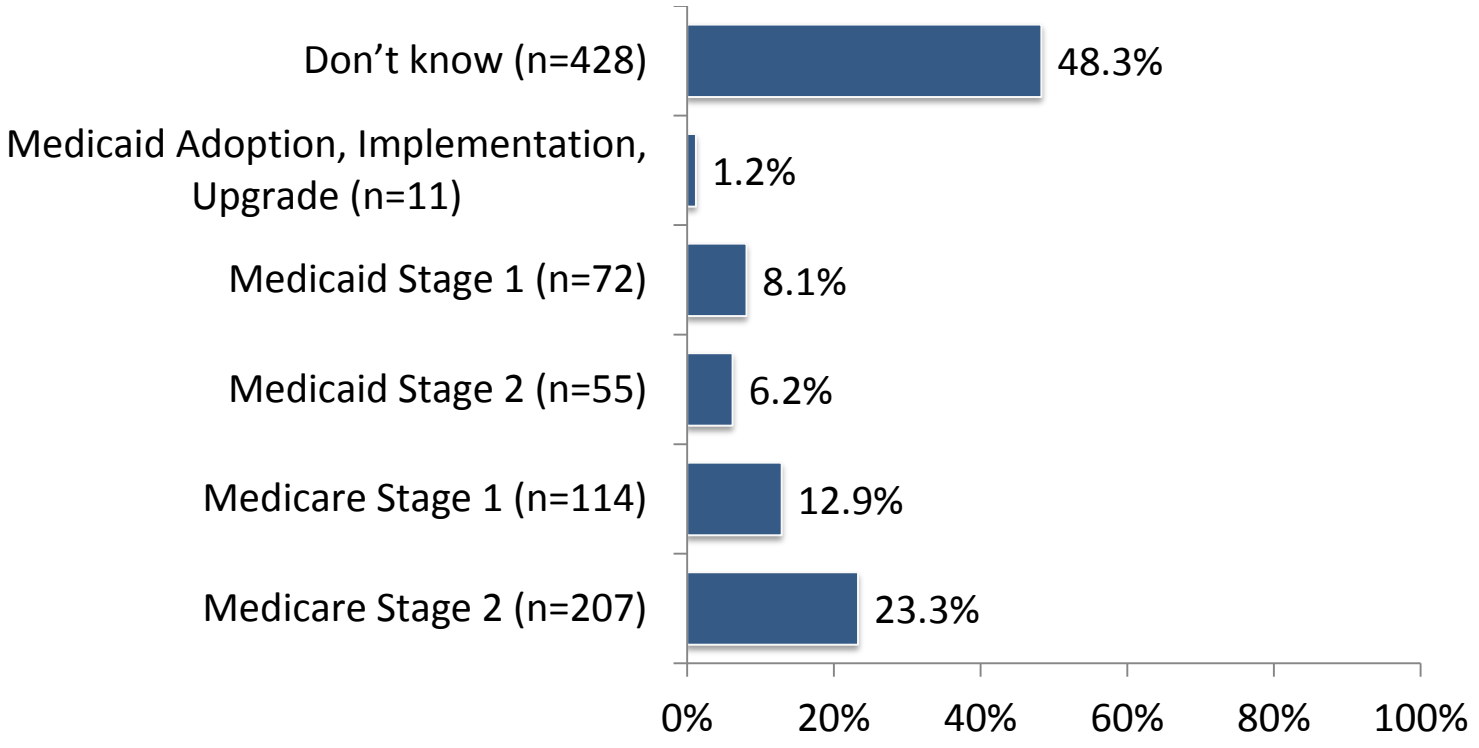
Percent of office-based physicians who have attested, or had someone attest on their behalf, to Meaningful Use (N=1,367)



Last updated 9/22/2015

Medicare Stage 2 is the most common Meaningful Use attestation.

Percent of office-based physicians who attested to each stage of Meaningful Use in 2015 (N=887)



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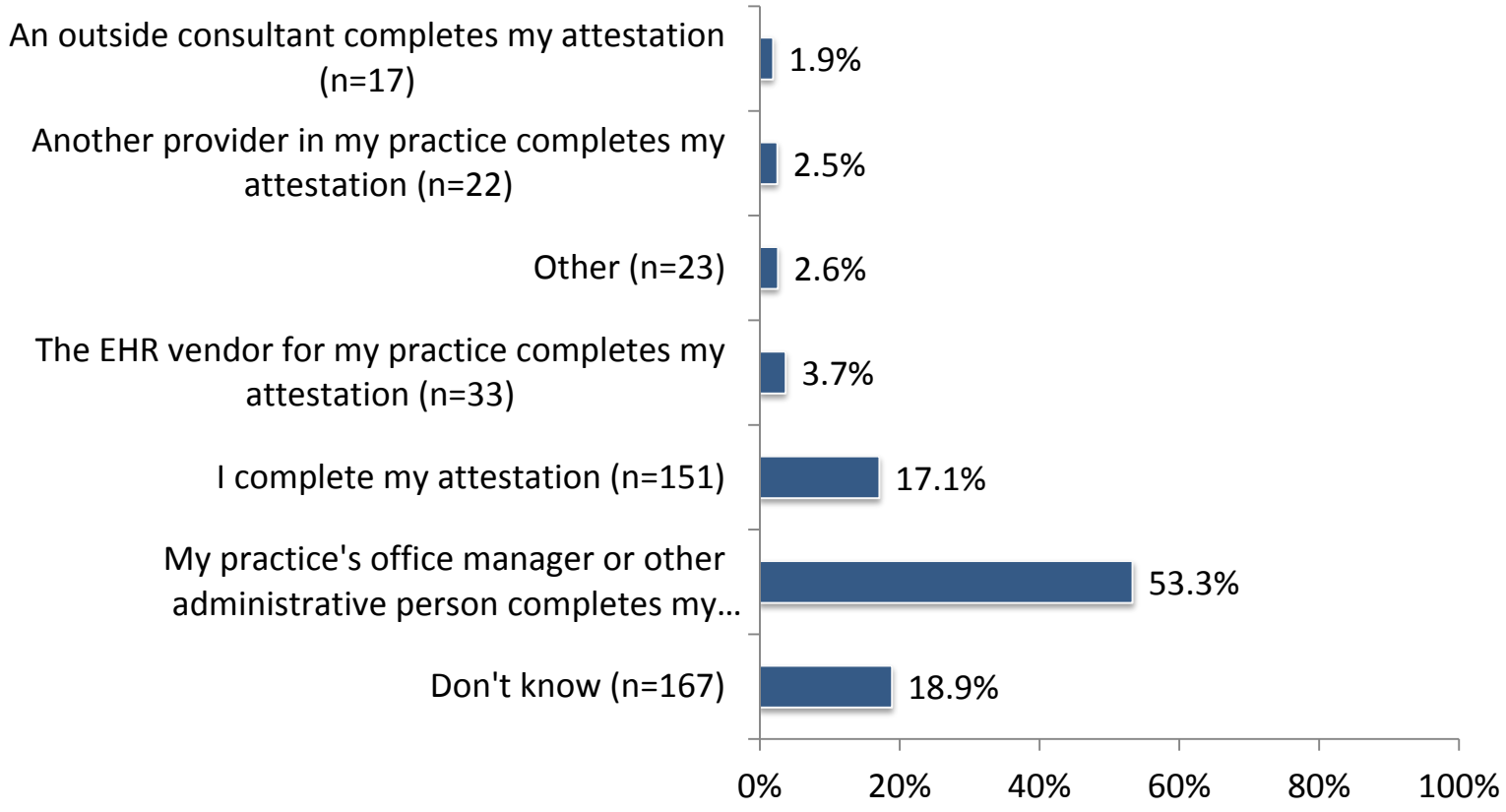
More than half of office-based physicians had someone else complete their Meaningful Use Attestation for them, most commonly an office manager or administrator.

Who completes your Meaningful Use attestation? (N=885)



Last updated 9/22/2015

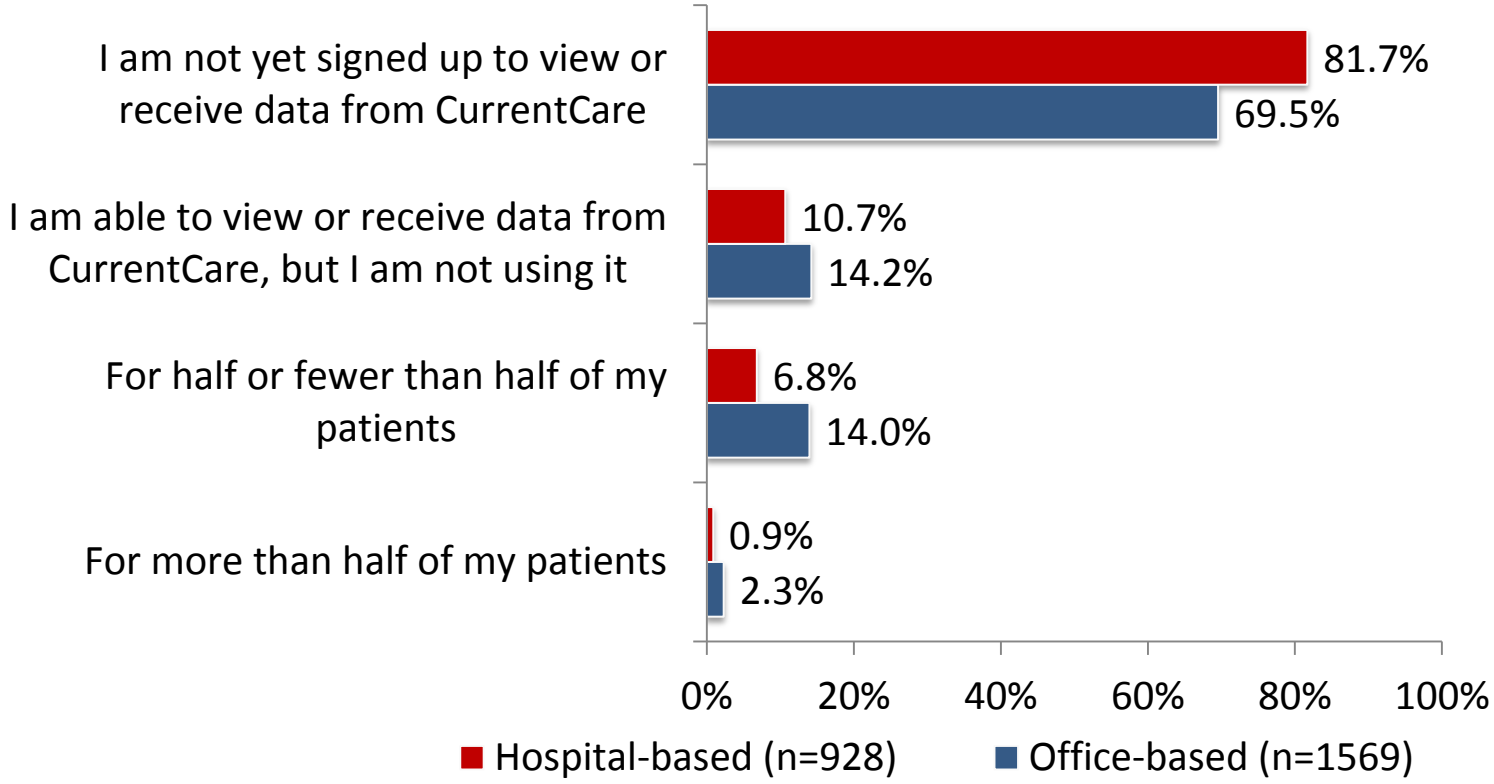
Physician Results

CurrentCare

Last updated 9/22/2015

Most hospital and office-based physicians are not signed up to view or receive CurrentCare data.

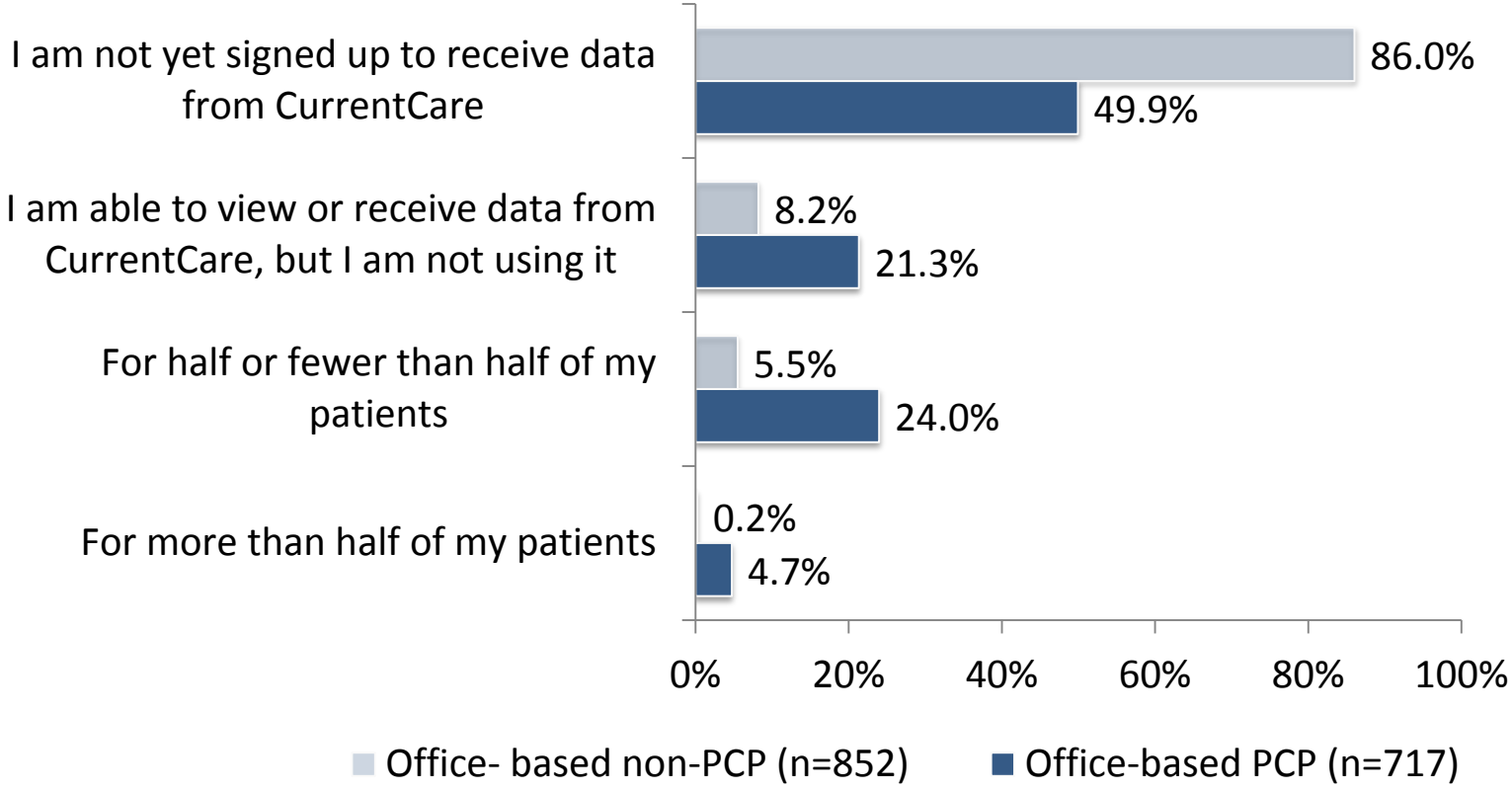
Percent of physicians who view or receive CurrentCare data, by setting



Last updated 9/22/2015

Office-based PCPs are more likely to be signed up for and using CurrentCare than office-based non-PCPs.

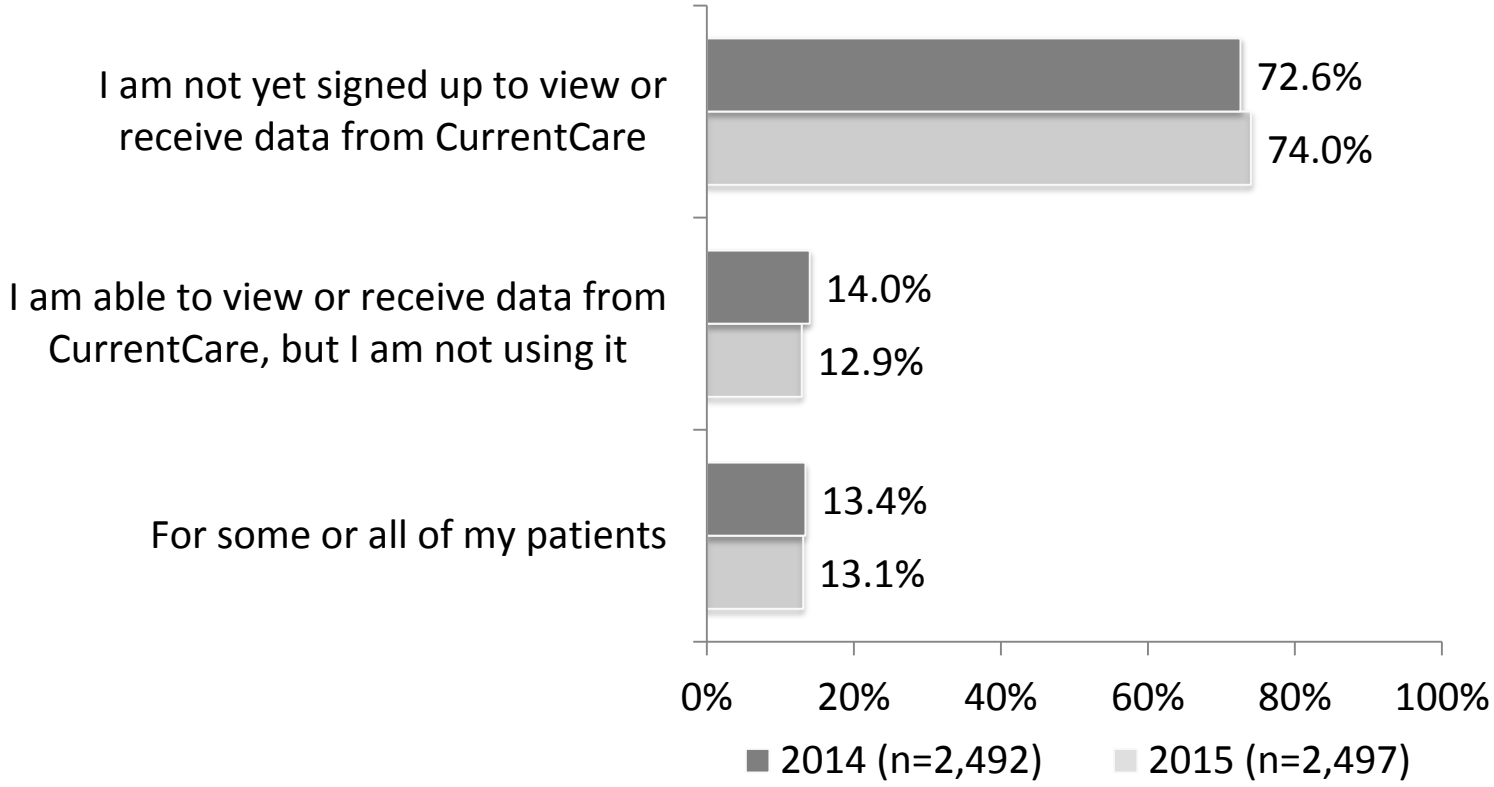
Percent of office-based physicians who view or receive CurrentCare data, by setting (N=1,569)



Last updated 9/22/2015

Use of CurrentCare by office and hospital-based physician respondents is similar for 2014 and 2015.

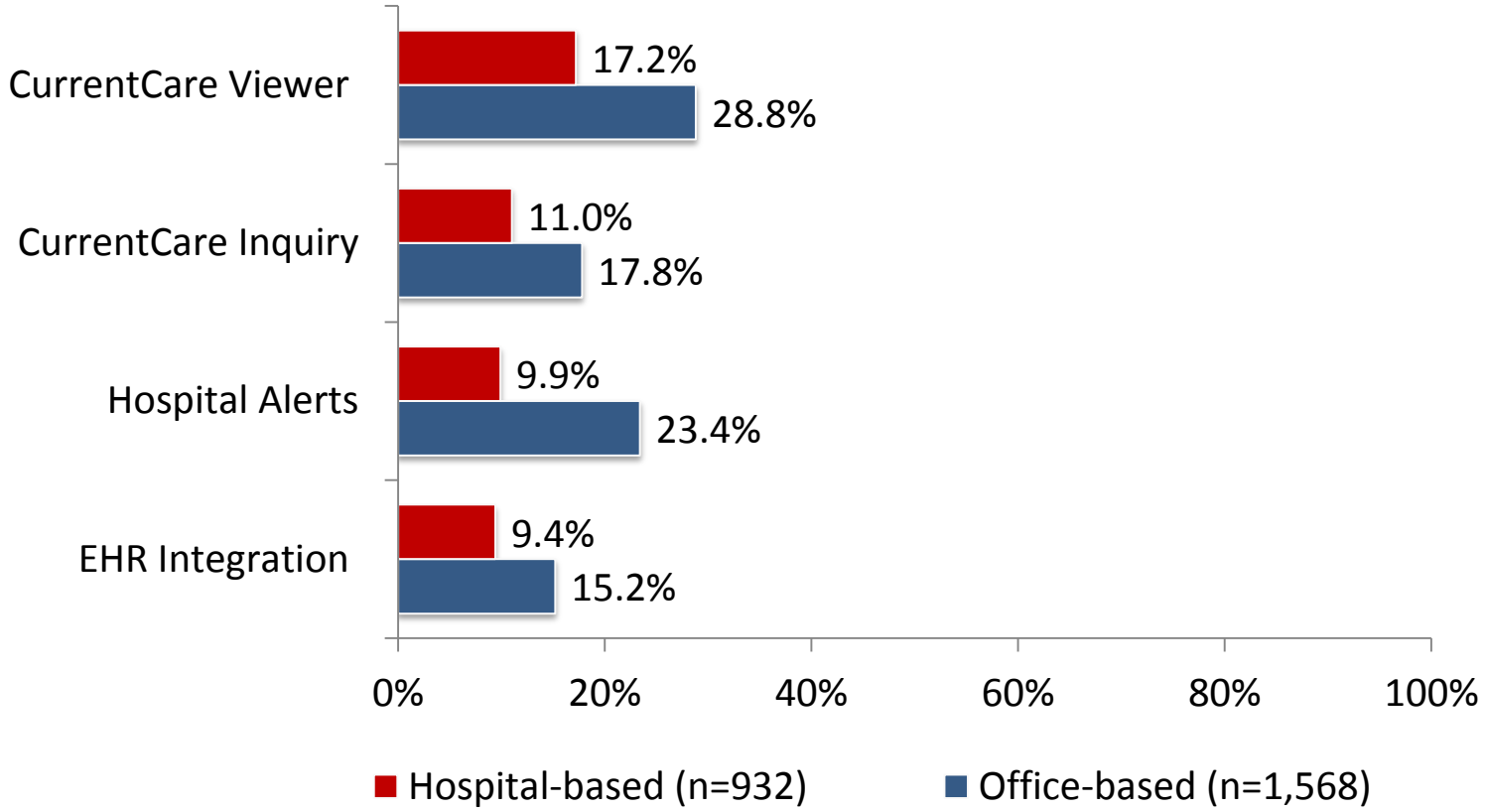
Percent of physicians who view or receive CurrentCare data, by year



Last updated 9/22/2015

Office-based physicians are more likely than hospital-based physicians to be familiar with different CurrentCare services. The CurrentCare Viewer is the most well known.

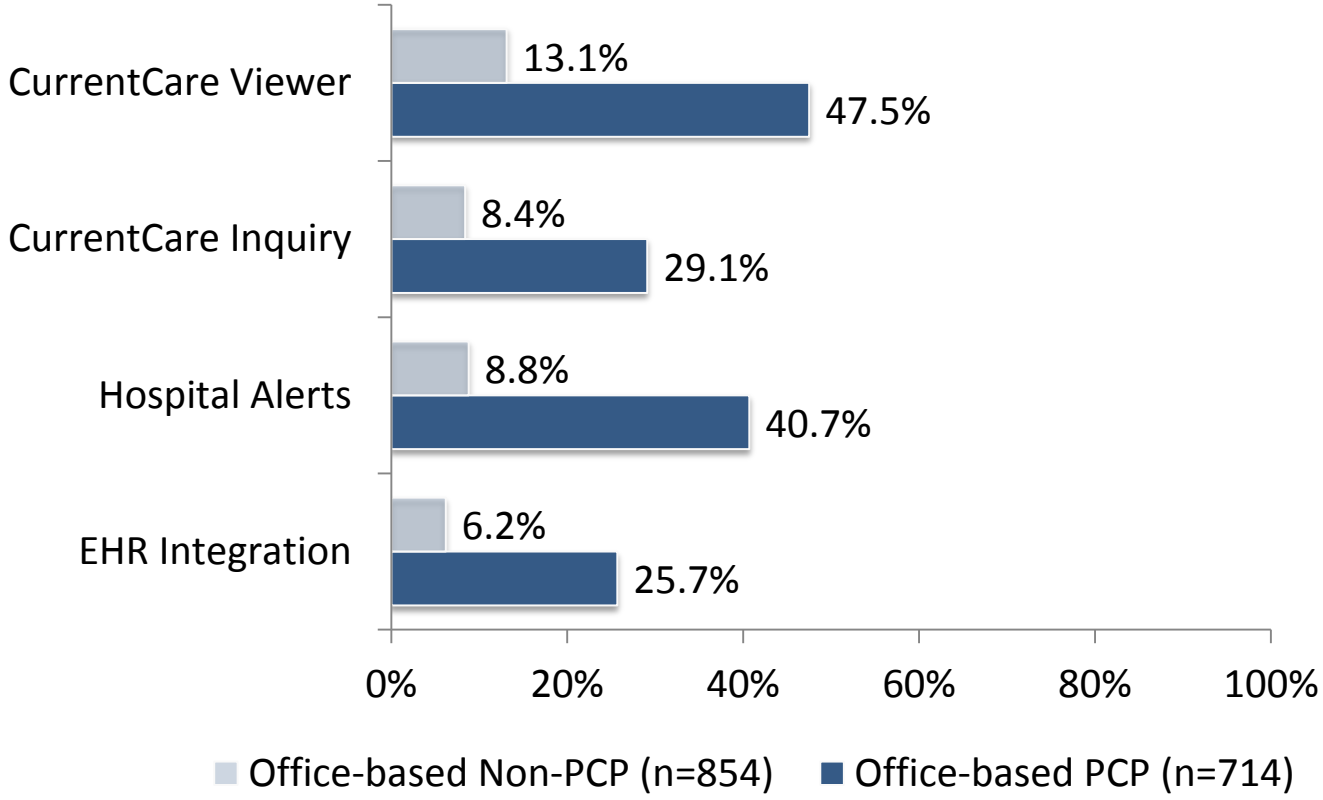
Percent of physicians who are familiar with these CurrentCare services, by setting…



Last updated 9/22/2015

Office-based PCPs were more than three times as likely to be familiar with all CurrentCare services compared to office-based non-PCPs.

Percent of office-based physicians who are familiar with these CurrentCare services, by specialty…



Last updated 9/22/2015

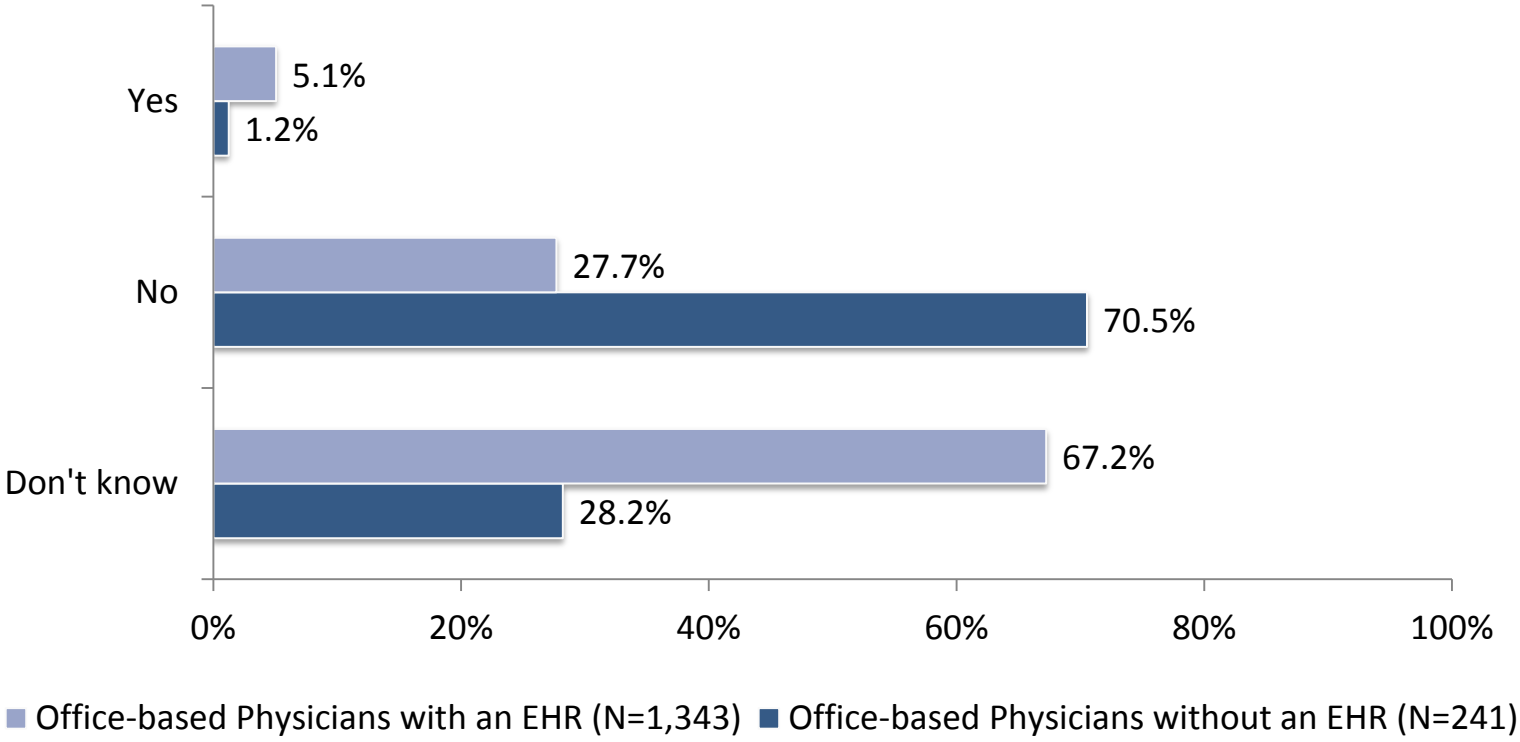
Physician Results

Respondents *without* EHRs

Last updated 9/22/2015

Among physician respondents, physicians with EHRs are slightly more likely to be participating in the Value-Based Payment Modifier Program than physicians without EHRs.

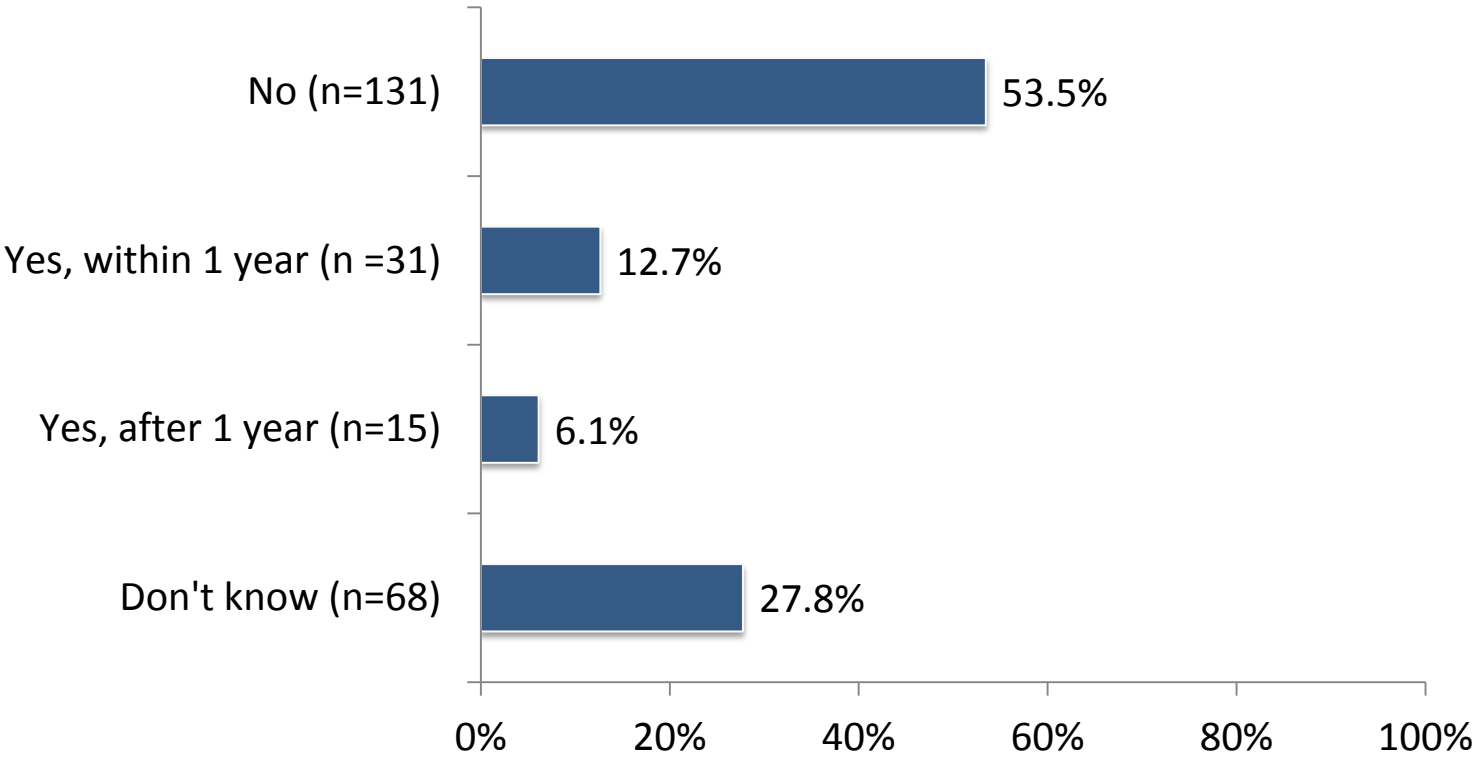
Percent of physician respondents who are participating in the Value-Based Payment Modifier Program



Last updated 9/22/2015

Among office-based physicians *without* EHRs, more than half are not planning to implement an EHR.

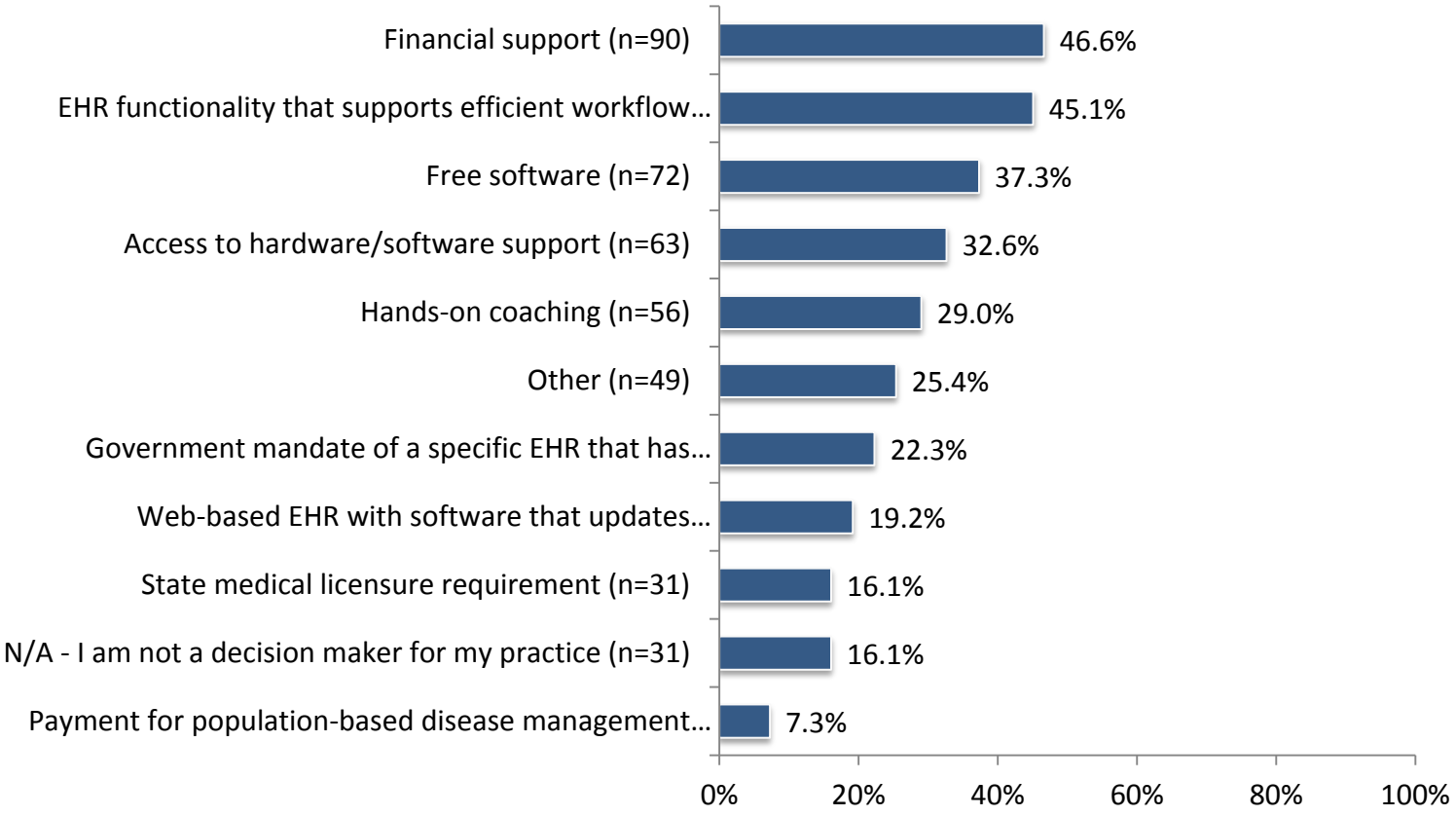
Percent of office-based physicians without EHRs whose main practice plans to implement an EHR (N=245)



Last updated 9/22/2015

Among office-based physicians *without* EHRs, responses varied about "what it would take" to implement one. Highest agreement related to financial support and EHR functionality that supports efficient workflow.

Percent of office-based physicians who thought it would take the following to implement an EHR… (N=193)



Last updated 9/22/2015

APRN and PA Results

Overall Trends

Last updated 9/22/2015

The 2015 results provide a point-estimate of HIT adoption among APRNs and PAs for the four publicly-reported measures.

Use of EHRs and e-prescribing, among respondents and all APRNs/PAs

Measure	Survey Respondents (N=721)		All APRNs and PAs (N=1,606)	
	Population	Score	Population	Score
1. APRNs and PAs with EHRs, n (%)	721	645 (89.5%)	1,606	645 (40.2%)
1. EHR functionality use (0-100), median	645	71.4	--	--
1. Patient engagement EHR use (0-100), median	645	21.4	--	--
1. APRNs and PAs who are e-prescribing, n (%)	617	462 (74.9%)	1,502	462 (30.8%)

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