



The Office of the National Coordinator for  
Health Information Technology



# Data Analytics Update

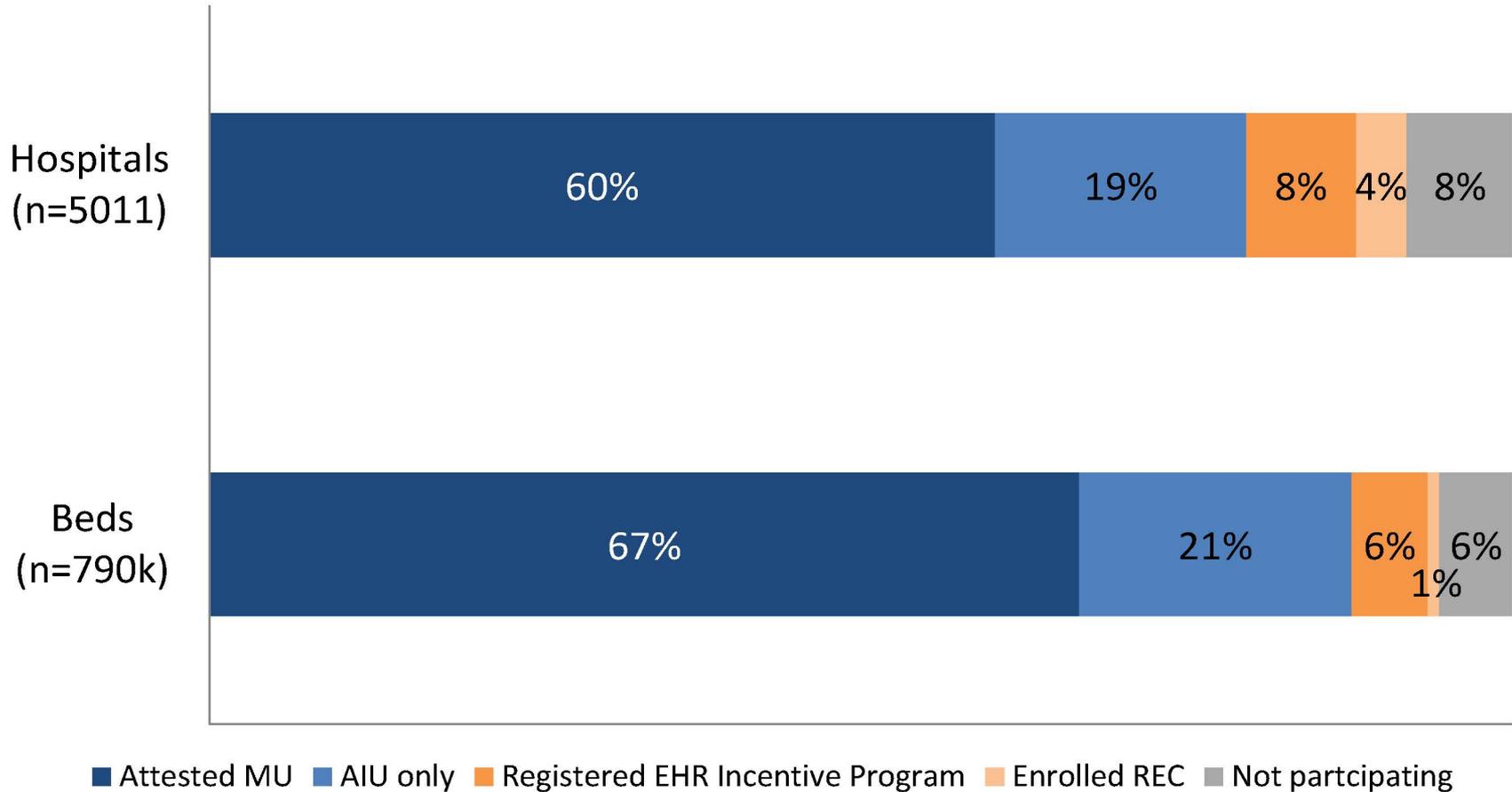
Health IT Policy Committee Meeting  
June 5, 2013

Jennifer King, ONC

- 1) Progress to MU by key characteristics
  
- 2) Indicators of future trends
  - 1) Trends in attestation/payment after registration
  - 2) Objective performance relative to thresholds

# Progress to MU by key characteristics: Hospitals

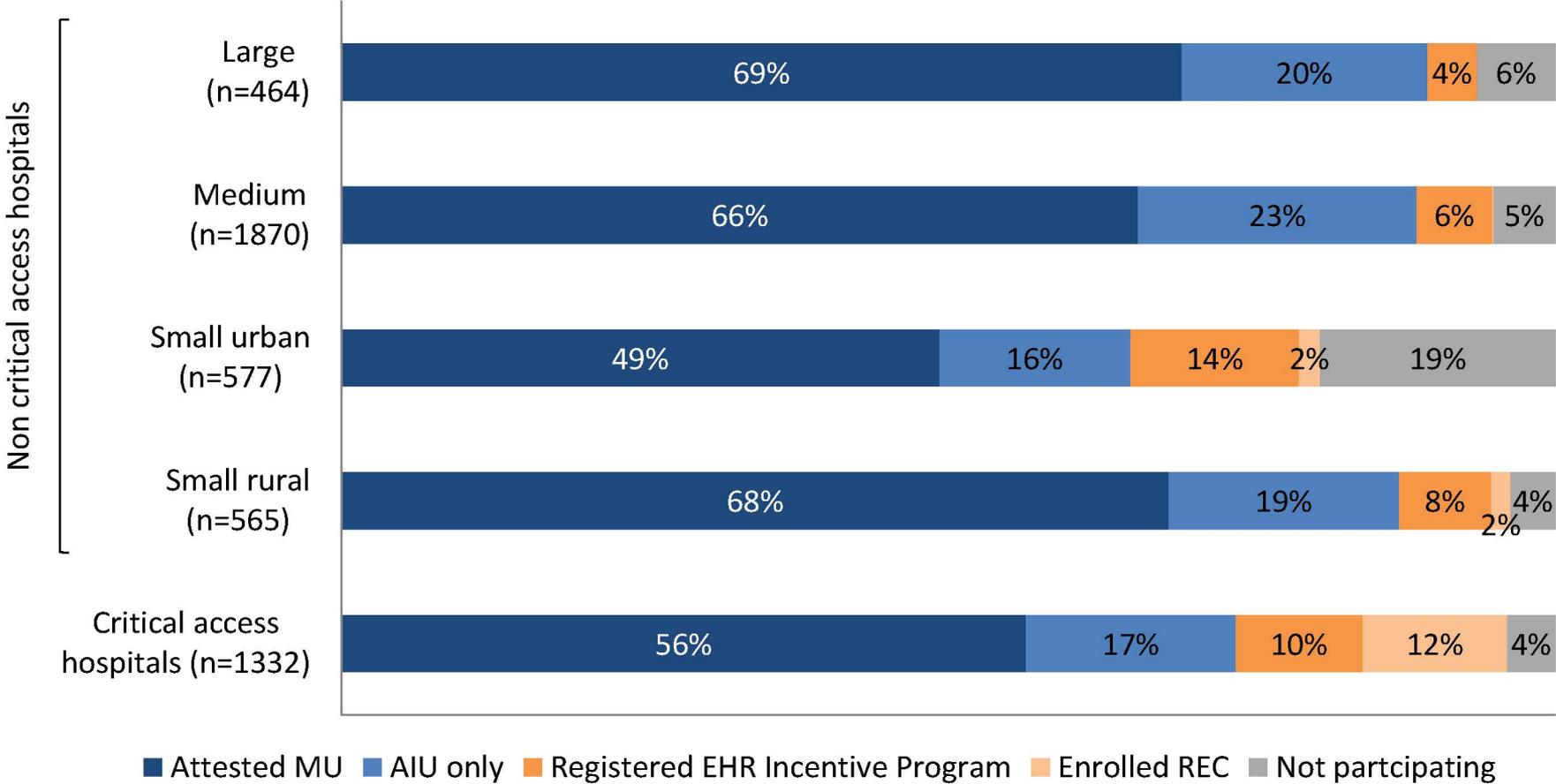
# Hospital progress to MU, April 2013



Note: Categories are hierarchical and mutually exclusive. For example, a hospital that has attested and received AIU payment and is enrolled with an REC is counted only in the Attested MU category. See Data Sources and Definitions slides for more details.

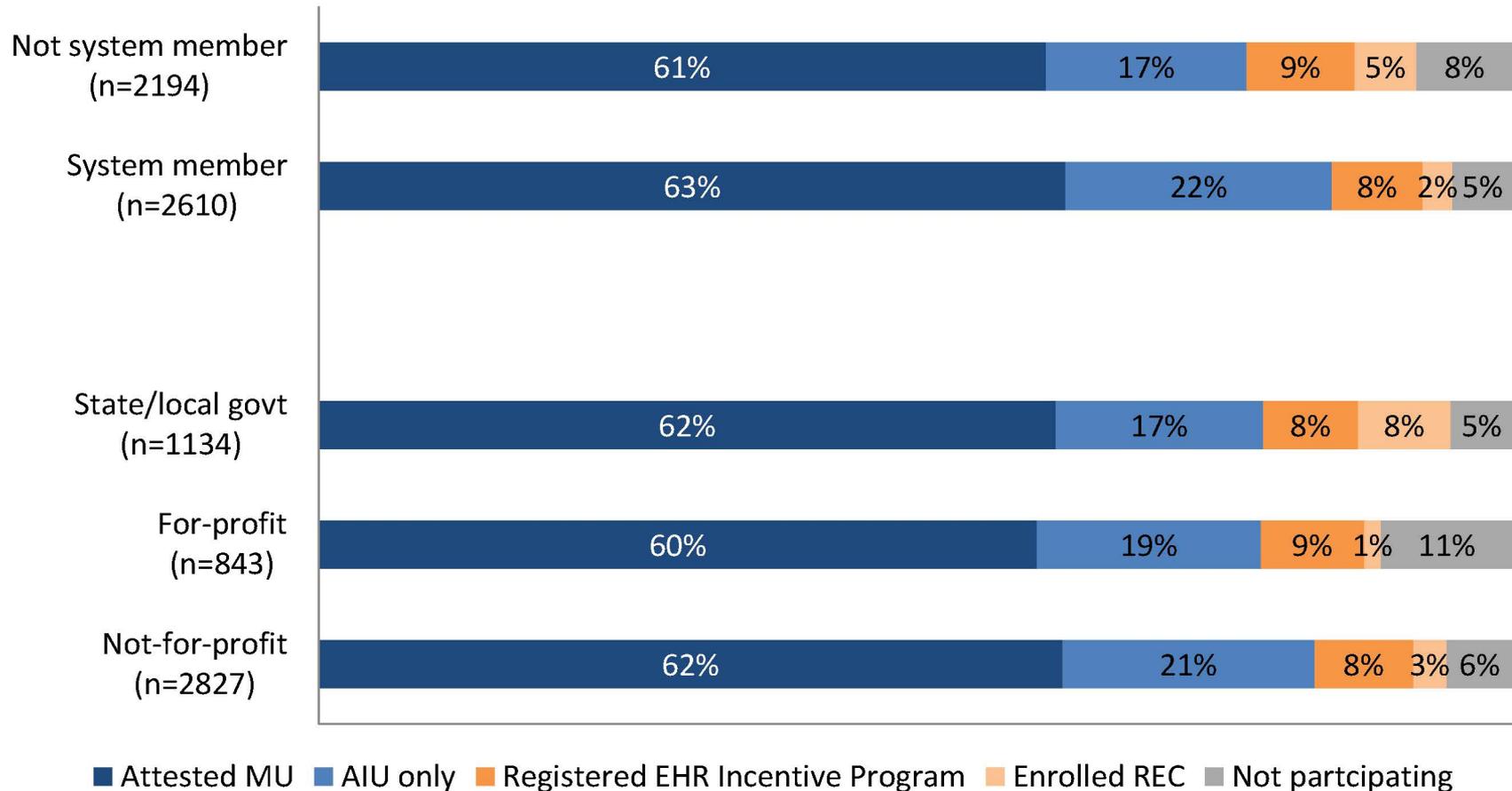
# Hospital progress to MU by size, type, and urban/rural

## April 2013



Note: Categories are hierarchical and mutually exclusive. For example, a hospital that has attested and received AIU payment and is enrolled with an REC is counted only in the Attested MU category. Large = 400+ staffed beds; Medium = 100-399 staffed beds; Small = <100 staffed beds. Rural = non-metropolitan; Urban = metropolitan. See Data Sources and Definitions slides for more details.

# Hospital progress to MU by system and ownership type April 2013

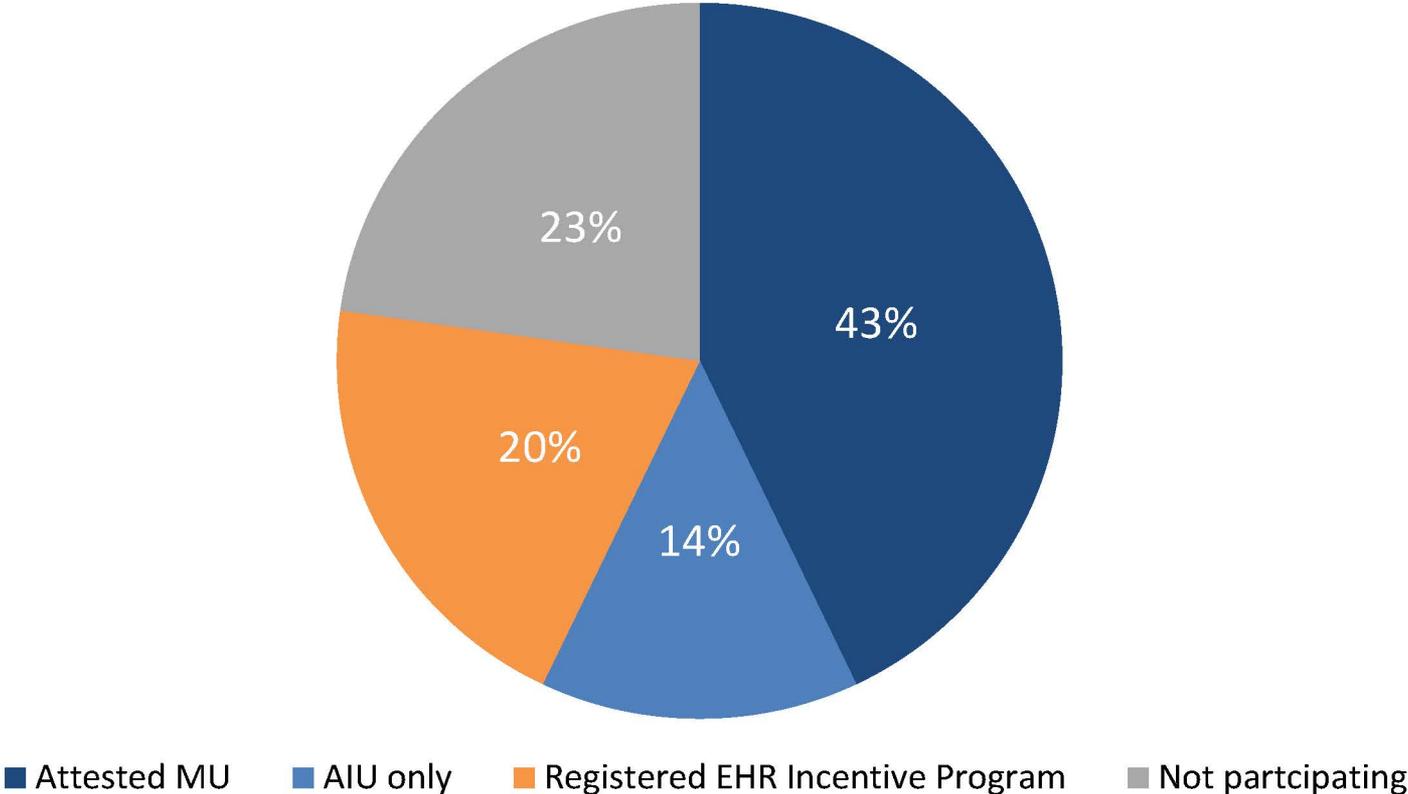


Note: Categories are hierarchical and mutually exclusive. For example, a hospital that has attested and received AIU payment and is enrolled with an REC is counted only in the Attested MU category. See Data Sources and Definitions slides for more details.

# Progress to MU by key characteristics: Professionals

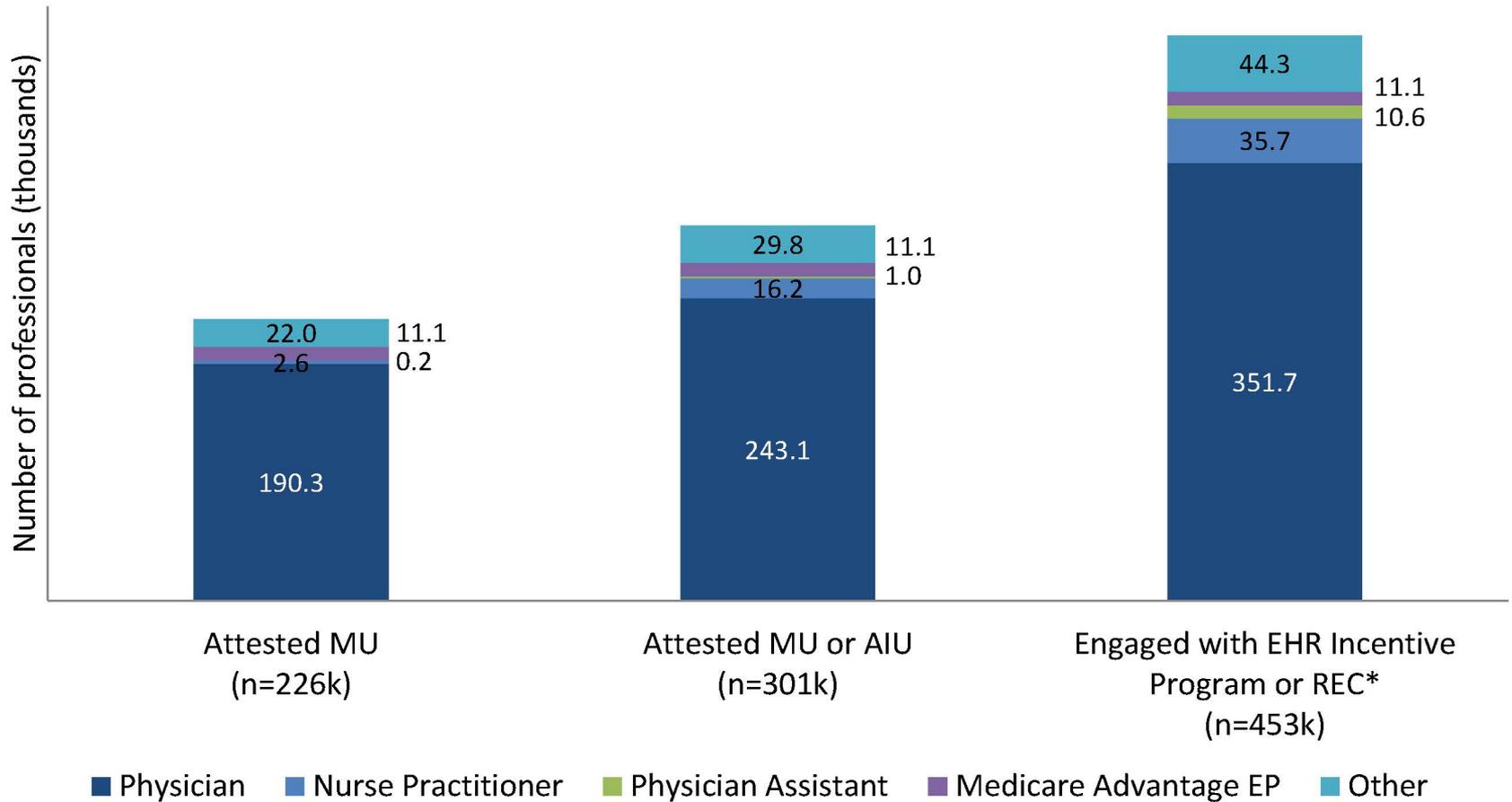
# Eligible professional progress to MU, April 2013

**Eligible Professionals (n = 527,200)**



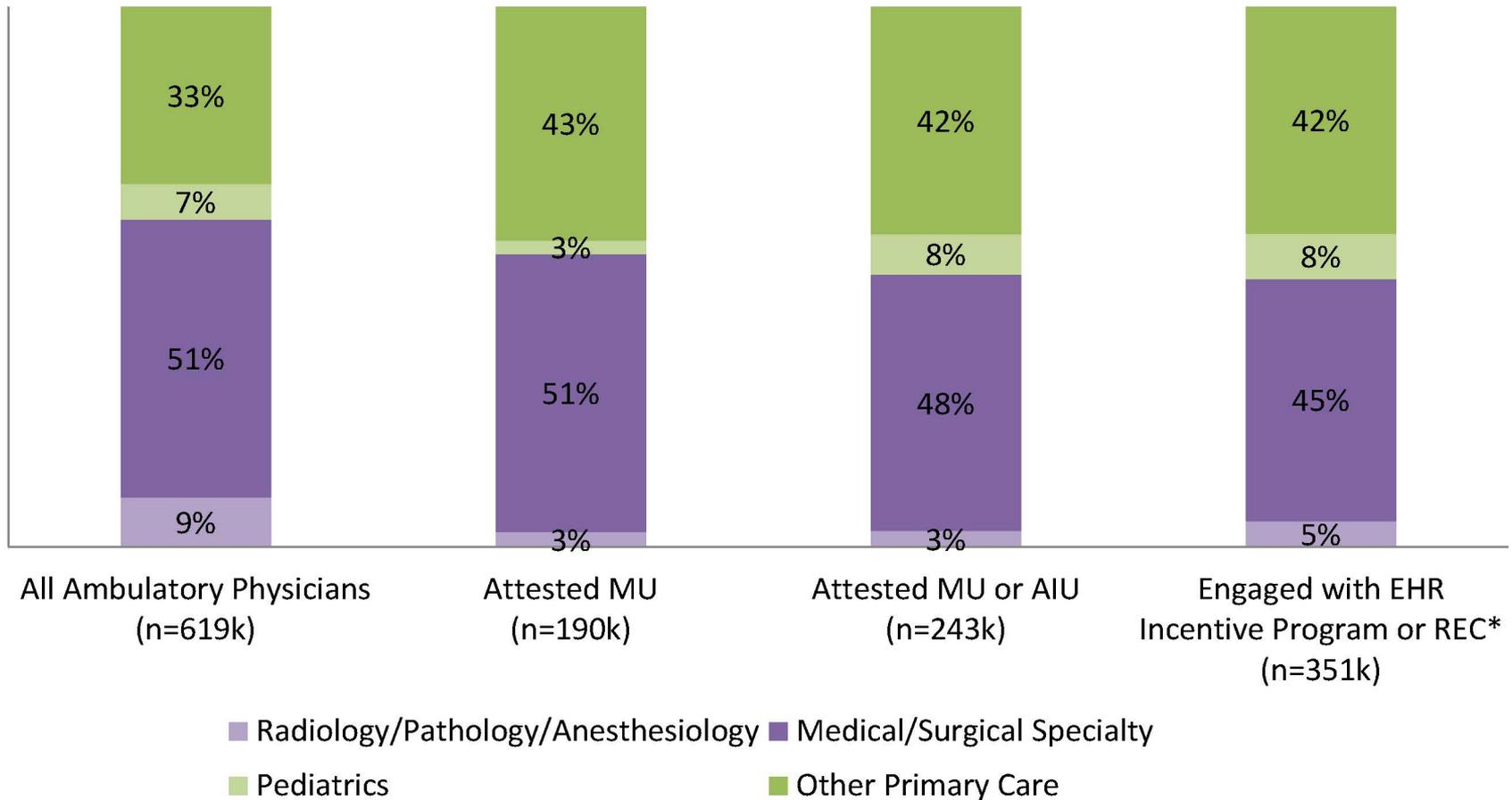
Note: Categories are hierarchical and mutually exclusive. For example, a professional that has received Medicaid payment for both attestation and AIU is counted only in the Attested MU category.

# Number of professionals by MU status, April 2013



\* Includes all professionals who are registered with CMS EHR Incentive Program or enrolled with an REC. See Data Sources and Definitions slides for more details. Other category includes: dentists, optometrists, podiatrists, chiropractors.

# Physician specialty by MU status, April 2013

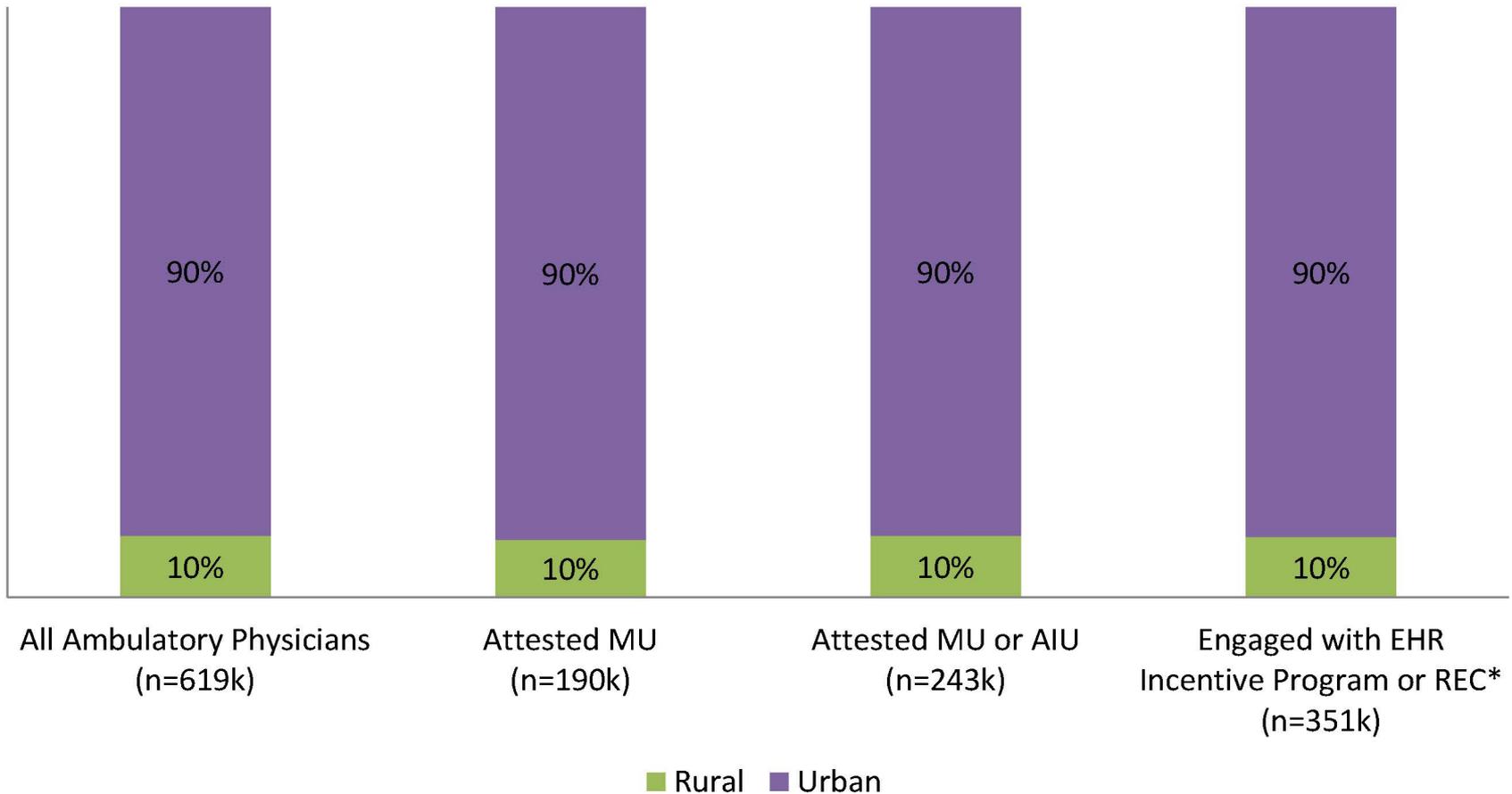


\* Includes all professionals who are registered with CMS EHR Incentive Program or enrolled with an REC.

Data on all ambulatory physicians are from SK&A Office Based Provider Data Base, 2012. See Data Sources and Definitions slides for more details.

Other primary care includes: family practice, general practice, internal medicine, obstetrics/gynecology, adolescent medicine, and geriatrics.

# Physician urban/rural location by MU status, April 2013



\* Includes all professionals who are registered with CMS EHR Incentive Program or enrolled with an REC.

Data on all ambulatory physicians are from SK&A Office Based Provider Data Base, 2012. See Data Sources and Definitions slides for more details.

Rural = non-metropolitan; Urban = metropolitan.

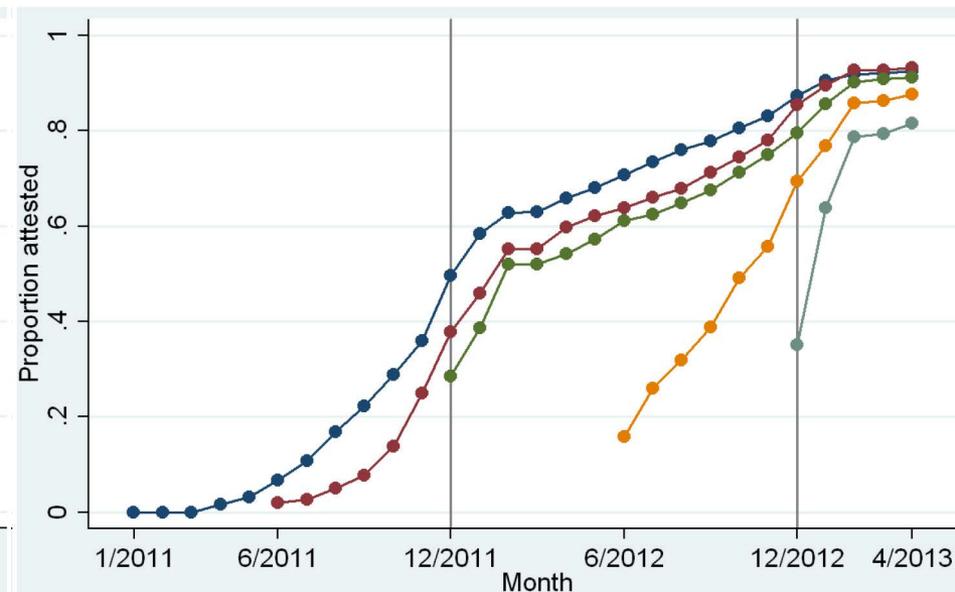
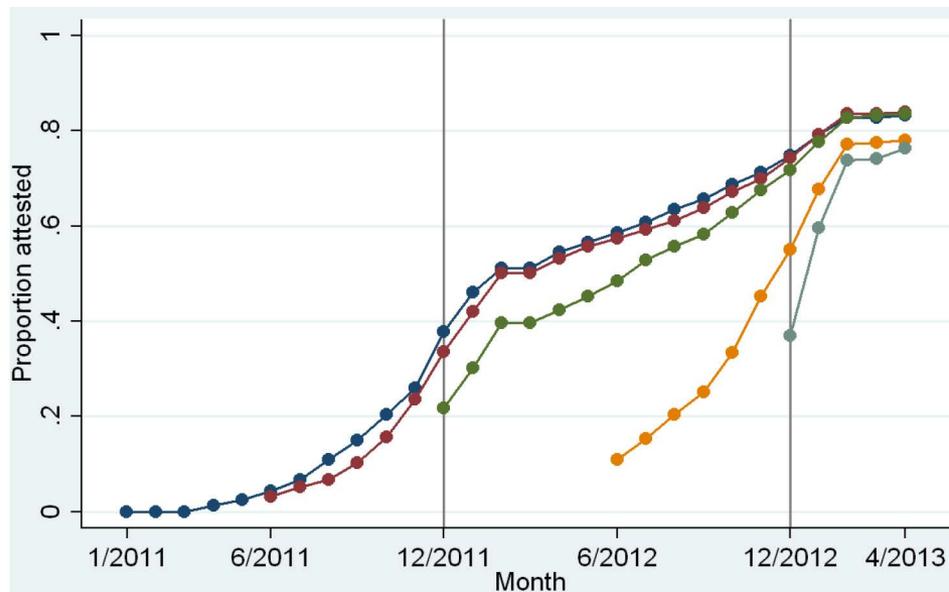
# Trends in attestation/payment after registration

# Progress to attestation after registering for Medicare EHR Incentive Program

Proportion of registered professionals who have attested among selected registration cohorts

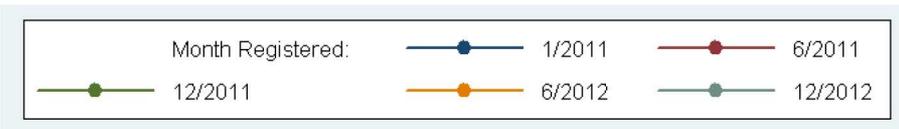
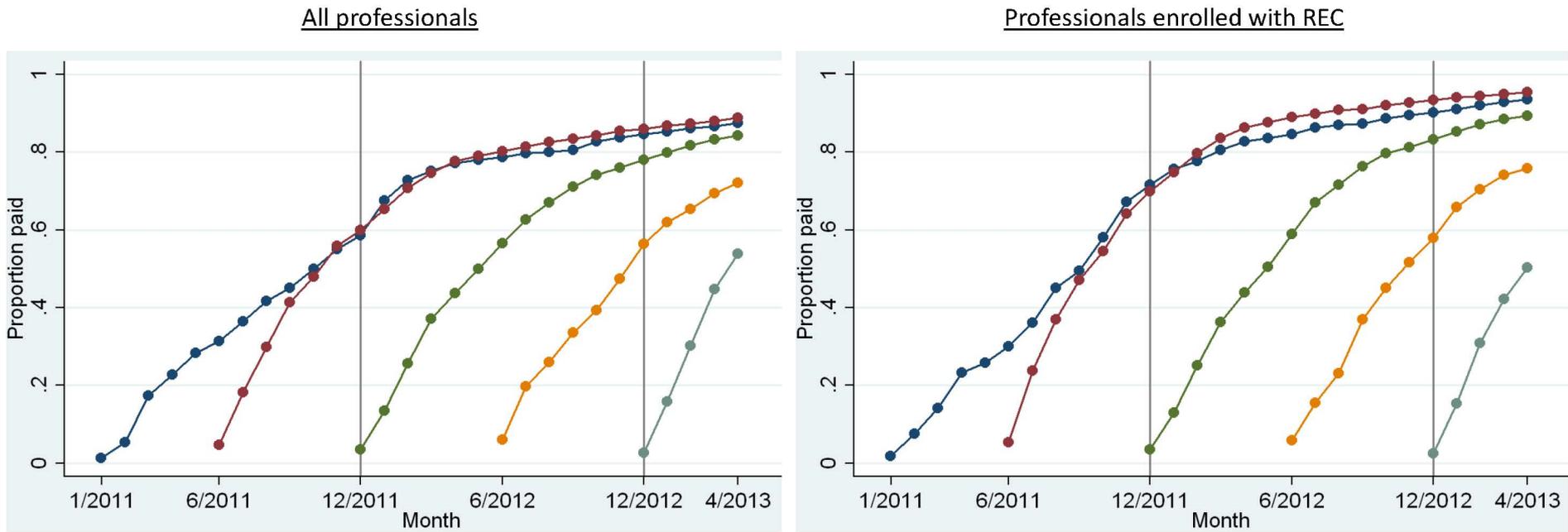
All professionals

Professionals enrolled with REC



# Progress to incentive payment after registering for Medicaid EHR Incentive Program

Proportion of registered professionals who have received payment for AIU or MU among selected registration cohorts



# MU objective performance relative to thresholds

# Objective score distributions for Eligible Hospitals

|                                 | Objective score reported at attestation (numerator/denominator) |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              | 100 |
|---------------------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-----|
|                                 | >=10<br><15   | >=15<br><20 | >=20<br><25 | >=25<br><30 | >=30<br><35 | >=35<br><40 | >=40<br><45 | >=45<br><50 | >=50<br><55 | >=55<br><60 | >=60<br><65 | >=65<br><70 | >=70<br><75 | >=75<br><80 | >=80<br><85 | >=85<br><90 | >=90<br><95 | >=95<br><100 |     |
| <b>Core Objectives</b>          |   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              |     |
| CPOE for medication orders      |   |             |             |             | 1%          | 1%          | 2%          | 2%          | 3%          | 4%          | 4%          | 4%          | 5%          | 5%          | 6%          | 9%          | 12%         | 29%          | 13% |
| Maintain problem list           |   |             |             |             |             |             |             |             |             |             |             |             |             |             | 6%          | 13%         | 22%         | 46%          | 14% |
| Active medication list          |   |             |             |             |             |             |             |             |             |             |             |             |             |             | 2%          | 4%          | 9%          | 62%          | 23% |
| Medication allergy list         |   |             |             |             |             |             |             |             |             |             |             |             |             |             | 1%          | 2%          | 10%         | 69%          | 18% |
| Record demographics             |   |             |             |             |             |             |             |             | 0%          | 0%          | 0%          | 1%          | 1%          | 1%          | 2%          | 4%          | 8%          | 69%          | 13% |
| Record vital signs              |   |             |             |             |             |             |             |             | 0%          | 1%          | 1%          | 2%          | 2%          | 4%          | 7%          | 11%         | 19%         | 49%          | 5%  |
| Record smoking status           |   |             |             |             |             |             |             |             | 0%          | 1%          | 1%          | 2%          | 3%          | 4%          | 6%          | 10%         | 15%         | 46%          | 13% |
| Electronic copy of health info  |   |             |             |             |             |             |             |             | 0%          | 1%          | 1%          | 2%          | 2%          | 2%          | 2%          | 4%          | 4%          | 6%           | 76% |
| Electronic copy discharge instr |   |             |             |             |             |             |             |             | 0%          | 1%          | 1%          | 3%          | 2%          | 3%          | 4%          | 4%          | 7%          | 8%           | 67% |
| <b>Menu Objectives</b>          |   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              |     |
| Advance directives              |   |             |             |             |             |             |             |             | 0%          | 0%          | 1%          | 1%          | 2%          | 3%          | 3%          | 5%          | 9%          | 42%          | 35% |
| Clinical lab test results       |   |             |             |             |             |             | 0%          | 0%          | 0%          | 0%          | 0%          | 1%          | 1%          | 3%          | 5%          | 8%          | 10%         | 51%          | 21% |
| Patient-specific ed resources   | 1%  | 2%          | 1%          | 2%          | 2%          | 3%          | 4%          | 3%          | 3%          | 5%          | 5%          | 5%          | 7%          | 7%          | 11%         | 11%         | 13%         | 13%          | 2%  |
| Medication reconciliation       |   |             |             |             |             |             |             |             | 2%          | 3%          | 4%          | 6%          | 5%          | 10%         | 10%         | 16%         | 19%         | 21%          | 2%  |
| Transition of care summary      |   |             |             |             |             |             |             |             | 4%          | 5%          | 4%          | 7%          | 5%          | 12%         | 12%         | 15%         | 13%         | 9%           | 12% |

Note: Percentages represent percent of eligible hospital attestations that reported a score in the corresponding range for the objective. Calculations based on attestations processed as of February 2013.

# Objective score distributions for Eligible Professionals

|                                | Objective score reported at attestation (numerator/denominator) |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              | 100 |
|--------------------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-----|
|                                | >=10<br><15   | >=15<br><20 | >=20<br><25 | >=25<br><30 | >=30<br><35 | >=35<br><40 | >=40<br><45 | >=45<br><50 | >=50<br><55 | >=55<br><60 | >=60<br><65 | >=65<br><70 | >=70<br><75 | >=75<br><80 | >=80<br><85 | >=85<br><90 | >=90<br><95 | >=95<br><100 |     |
| <b>Core Objectives</b>         |   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              |     |
| CPOE for medication orders     |   |             |             |             | 2%          | 2%          | 2%          | 3%          | 3%          | 3%          | 4%          | 4%          | 5%          | 5%          | 7%          | 8%          | 11%         | 23%          | 19% |
| Maintain problem list          |   |             |             |             |             |             |             |             |             |             |             |             |             |             | 5%          | 6%          | 12%         | 47%          | 30% |
| ePrescribing                   |   |             |             |             |             |             | 2%          | 2%          | 3%          | 3%          | 4%          | 5%          | 6%          | 8%          | 11%         | 14%         | 17%         | 16%          | 8%  |
| Active medication list         |   |             |             |             |             |             |             |             |             |             |             |             |             |             | 3%          | 5%          | 10%         | 57%          | 25% |
| Medication allergy list        |   |             |             |             |             |             |             |             |             |             |             |             |             |             | 4%          | 6%          | 13%         | 55%          | 22% |
| Record demographics            |   |             |             |             |             |             |             |             |             | 1%          | 1%          | 2%          | 2%          | 3%          | 4%          | 6%          | 8%          | 14%          | 21% |
| Record vital signs             |   |             |             |             |             |             |             |             |             | 1%          | 1%          | 2%          | 2%          | 3%          | 4%          | 6%          | 9%          | 16%          | 8%  |
| Record smoking status          |   |             |             |             |             |             |             |             |             | 1%          | 1%          | 2%          | 2%          | 3%          | 4%          | 6%          | 9%          | 16%          | 11% |
| Electronic copy of health info |   |             |             |             |             |             |             |             |             | 1%          | 1%          | 1%          | 1%          | 1%          | 1%          | 2%          | 2%          | 3%           | 5%  |
| Clinical summaries             |   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              |     |
| <b>Menu Objectives</b>         |   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              |     |
| Clinical lab test results      |   |             |             |             |             |             |             |             |             | 1%          | 1%          | 1%          | 1%          | 2%          | 2%          | 2%          | 3%          | 4%           | 5%  |
| Patient reminders              |   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              |     |
| Patient electronic access      |   |             | 0%          | 7%          | 6%          | 5%          | 5%          | 4%          | 5%          | 4%          | 4%          | 4%          | 4%          | 4%          | 4%          | 5%          | 13%         | 6%           | 8%  |
| Patient-specific ed resources  | 5%  | 4%          | 0%          | 3%          | 3%          | 3%          | 3%          | 2%          | 3%          | 2%          | 2%          | 2%          | 2%          | 2%          | 2%          | 2%          | 6%          | 5%           | 32% |
| Patient-specific ed resources  | 10%   | 8%          | 0%          | 6%          | 5%          | 5%          | 4%          | 4%          | 4%          | 4%          | 4%          | 4%          | 4%          | 4%          | 4%          | 4%          | 11%         | 6%           | 10% |
| Medication reconciliation      |   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              |     |
| Transition of care summary     |   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |              |     |

Note: Percentages represent percent of eligible professional attestations that reported a score in the corresponding range for the objective. Calculations based on attestations processed as of February 2013.

Questions?

# Data Sources and Definitions

## Hospital Data

To describe hospital progress to Meaningful Use by key characteristics, data on all CMS certified hospitals as of March 2013 were merged to data from the CMS EHR Incentive Program, the ONC Regional Extension Center (REC) Program, and the American Hospital Association (AHA) Annual Survey by CMS Certification Number (CCN). The final analysis file contained 4,970 hospitals, 97% of which matched to the AHA Annual Survey.

Hospitals were categorized into 1 of 5 hierarchical and mutually exclusive categories:

- (1) Attested MU – hospitals successfully attested to Stage 1 Meaningful Use under the Medicare EHR Incentive Program or received payment for attesting to Stage 1 Meaningful Use under the Medicaid EHR Incentive Program. Category includes some hospitals that had successfully attested but still had Medicare payment for the attestation pending.
- (2) AIU only – hospitals received Medicaid EHR Incentive Program payment for AIU but not yet attested or received payment for attesting to Meaningful Use.
- (3) Registered EHR incentive program – hospitals registered for the Medicare or Medicaid EHR Incentive Program but had not yet attested or received payment for AIU or Meaningful Use.
- (4) Enrolled REC – hospitals enrolled with an REC but not yet registered for the Medicare or Medicaid EHR Incentive Program.
- (5) Not participating – hospitals not registered for the Medicare or Medicaid EHR Incentive Program and not enrolled with an REC.

## Professional Data

To describe professional progress to Meaningful Use, data from the CMS EHR Incentive Program were merged to data from the ONC Regional Extension Center Program by National Provider Identifier (NPI). Three categories (not mutually exclusive) of professionals were examined:

- (1) Attested MU – eligible professionals successfully attested to Stage 1 Meaningful Use under the Medicare EHR Incentive Program or received payment for attesting to Stage 1 Meaningful Use under the Medicaid EHR Incentive Program. Category includes some professionals that had successfully attested but still had Medicare payment for the attestation pending.
- (2) Attested MU or AIU – eligible professionals in Attested MU category plus professionals that had received Medicaid EHR Incentive Program payment for AIU.
- (3) Engaged EHR Incentive Program or REC – eligible professionals in Attested MU or AIU category plus professionals that were registered for the Medicare or Medicaid EHR Incentive Program or were enrolled with an REC. This category includes some REC-enrolled professionals who may not meet the Medicare or Medicaid EHR Incentive Program eligibility requirements but are working to achieve Meaningful Use through REC participation.

To monitor professional progress to Meaningful Use by key characteristics, characteristics of physicians in the three categories above were compared to characteristics of all ambulatory physicians nationally using data from the 2012 SK&A Office-Based Provider data base.