

July 1, 2009 to June 30, 2010

We know that you may not be able to collect all the outcomes requested. Please provide as little or as much as you are able. You will note that we did not request ‘denominator’ numbers. In the future we hope to move to reporting percentages by providing denominators as well as the numerator but for now please provide the simple numerator count.

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AHEC Program Name: _____ Contact (Name, Phone, Email): _____

Please respond to each Outcome Measure for this Reporting Year: **July 1, 2009 to June 30, 2010.**

Outcome 1. Number of AHEC pre-professional program participants who increased their **knowledge of health careers.**
(Short-term Outcome)

Do you provide services related to this Outcome?
 No
 Yes, but we will not collect the data at this time.
 Yes, we collected the data as shown below.
 Please provide a brief description of your methods of gathering this data:

Data to Report to NAO CORE Time Frame: _____
 _____ Number of AHEC pre-professional program participants who increased their **knowledge of health careers**

Of the number of participants reported above

| Hispanic | Non-Hispanic |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.
 1. Before and after program participation health careers knowledge assessment.
 Number of Participants
 Average before score
 Average after score
 % Change

Outcome 2. Number of AHEC pre-professional program participants who declared their **intention to pursue a health career.** (Short-term Outcome)

Do you provide services related to this Outcome?
 No
 Yes, but we will not collect the data at this time.
 Yes, we collected the data as shown below.
 Please provide a brief description of your methods of gathering this data:

NAO Outcomes Data for

Data to Report to NAO CORE **Time Frame:** _____
 _____ Number of AHEC pre-professional program participants who declared their **intention to pursue a health careers**

Of the number of participants reported above

| Hispanic | Non-Hispanic |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.
 2. Which of the following statements best describes the impact of this training rotation on your intention to provide care to underserved patients when you complete your training?
 I intended to become a health professional before this AHEC program and my experience strengthened my commitment*
 I intended to become a health professional before this AHEC program and my experience had no impact on my plans.
 I intended to become a health professional before this AHEC program and my experience changed my plans so that I no longer plan to become a health professional.
 I did not intend to become a health professional before this AHEC program and my experience changed my plans so that I now plan to become a health professional. *
 I did not intend to become a health professional before this AHEC program and my experience had no impact on my plans.

Alternate Question

2. How interested are you in going into a career in health?
 Not at all - a little - fairly interested - very interested - don't know

Outcome 3. Number of AHEC pre-professional program participants who **matriculated into health professions training** programs during the reporting year. (Intermediate-term Outcome)

Do you provide services related to this Outcome?
 _____ No
 _____ Yes, but we will not collect the data at this time.
 _____ Yes, we collected the data as shown below.
 Please provide a brief description of your methods of gathering this data:

Data to Report to NAO CORE **Time Frame:** _____
 _____ # of AHEC pre-professional program participants who matriculated into health professions training programs during the reporting year.

Of the number of participants reported above

| Hispanic | Non-Hispanic |
|----------|--------------|
|----------|--------------|

NAO Outcomes Data for

| | |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.

National Student Clearinghouse data may be accessed to match students who matriculate and complete college health professions programs. Most of their services are free or reasonably priced and can be accessed at <http://www.studentclearinghouse.org>

Outcome 4. Number of former AHEC pre-professional participants who **completed health professions training** programs during the reporting year. (Long-term Outcome)

Do you provide services related to this Outcome?

- ___ No
- ___ Yes, but we will not collect the data at this time.
- ___ Yes, we collected the data as shown below.

Please provide a brief description of your methods of gathering this data:

Data to Report to NAO CORE Time Frame: _____

_____ # of AHEC pre-professional program participants who Graduated from health professions training programs during the reporting year.

Of the number of participants reported above:

| Hispanic | Non-Hispanic |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.

National Student Clearinghouse data may be accessed to match students who matriculate and complete college health professions programs. Most of their services are free or reasonably priced and can be accessed at <http://www.studentclearinghouse.org>

Outcome 5. Number of former AHEC pre-professional participants who began **practicing in an underserved area** during the reporting year. (Long-term Outcome)

Do you provide services related to this Outcome?

- ___ No
- ___ Yes, but we will not collect the data at this time.
- ___ Yes, we collected the data as shown below.

Please provide a brief description of your methods of gathering this data:

NAO Outcomes Data for

Data to Report to NAO CORE **Time Frame:** _____

Please estimated, based on your best knowledge, how many healthcare professionals are providing care (any kind) to the underserved, who were your past AHEC program participants or recipients of AHEC services?

- 1) Primary Care Physicians _____
- 2) Nurse Practitioners _____
- 3) Physician Assistants _____
- 4) Other Physicians _____
- 5) Nurses _____
- 6) Dentists _____
- 7) Other _____

For the **Primary Care Physicians** above please provide the following diversity information:

| Hispanic | Non-Hispanic |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

For the **Nurse Practitioners** above please provide the following diversity information:

| | |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

For the **Physician Assistants** above please provide the following diversity information:

| | |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

For the **Other Physicians** above please provide the following diversity information:

| | |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

NAO Outcomes Data for

| | |
|---|---|
| For the Nurses above please provide the following diversity information: | |
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

| | |
|---|---|
| For the Dentists above please provide the following diversity information: | |
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

| | |
|---|---|
| For the Others above please provide the following diversity information: | |
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.

NAO CORE recommends that the **tracking of participants be prospective**. Contact information should be gathered when these youth participate in the enrichment programs and **contacts should be made with them on a regular basis** to determine the number who entered health professions training programs, the number who completed health professions training programs, and the number who began practicing in an underserved area during the reporting year.

Contact information may include **name, postal mailing address, e-mail address, telephone number(s), as well as name and contact information of parents or others** who might help find participants if their primary contact information does not work.

AHECs could **use a representative sample**. The findings from the sample would then be used to infer the total number of enrichment participants who matriculated to the health professions training program, the total number who completed health professions training programs, and the total number who began practicing in an underserved area during the reporting year. From a statistical perspective, the larger the sample, the better our estimates will be. NAO CORE suggests that at least 100 but no more than 400 at the **AHEC Program level** be tracked for the sample. Tracking 100 will produce estimates with no more than a 10% error; while tracking 400 will reduce the error to 5%. Those lost to follow-up should be categorized as failures to ensure that the estimates are conservative.

Outcome 6. Number of medical student participants in AHEC training rotations who began **primary care residencies** during the reporting year. (Intermediate-term Outcome)

Do you provide services related to this Outcome?

- ___ No
- ___ Yes, but we will not collect the data at this time.
- ___ Yes, we collected the data as shown below.

Please provide a brief description of you methods of gathering this data:

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Data to Report to NAO CORE **Time Frame:** _____

Of the number of participants reported above:

| Hispanic | Non-Hispanic |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.

Question 6.1. What is the specialty of the residency program you will be starting after graduation?

Question 6.2. What do you intend to do as your primary activity when you complete your first residency program?

- Provide clinical care as a practitioner*
- Continue training (another residency or fellowship)
- Conduct research
- Some other activity

Outcome 7. Number of AHEC sponsored training rotation participants in the reporting year who declared an **intention to provide care to underserved populations.** (Intermediate-term Outcome)

Do you provide services related to this Outcome?

- _____ No
- _____ Yes, but we will not collect the data at this time.
- _____ Yes, we collected the data as shown below.

Please provide a brief description of your methods of gathering this data:

Data to Report to NAO CORE **Time Frame:** _____

_____ # of AHEC sponsored training rotation participants declared an intention to provide care to underserved populations.

Of the number of participants reported above:

| Hispanic | Non-Hispanic |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.

Question 7.1. Which of the following statements best describes the impact of this training rotation on your intention to

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provide care to underserved patients when you complete your training?

I intended to care for underserved patients before this rotation and my experience strengthened my commitment*

I intended to care for underserved patients before this rotation and my experience had no impact on my plans

I intended to care for underserved patients before this rotation and my experience changed that my plans so that I no longer plan to care for underserved patients

I did not intend to care for underserved patients before this rotation and my experience changed that my plans so that I now plan to care for underserved patients*

I did not intend to care for underserved patients before this rotation and my experience had no impact on my plans

Outcome 8. Number of former AHEC sponsored training rotation participants who **began practicing in an underserved area** during the reporting year. (Long-term Outcome)

Do you provide services related to this Outcome?

___ No

___ Yes, but we will not collect the data at this time.

___ Yes, we collected the data as shown below.

Please provide a brief description of your methods of gathering this data:

Data to Report to NAO CORE **Time Frame:** _____

_____ # training rotation participants who began practicing in an underserved area.

Of the number of participants reported above:

| Hispanic | Non-Hispanic |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.

NAO CORE recommends that the tracking be prospective. Contact information should be gathered when students participate in the training rotations and contact should be made with them on a regular basis to determine the number of participants who began practicing in areas of need during the reporting year. Areas of need would include sites located in MUAs or HPSAs, sites designated as providing health care for underserved populations, and other locations where at least 25% of the patients are Medicaid, self-pay or indigent. Contact information may include name, postal mailing address, e-mail address, telephone number(s), as well as name and contact information of parents or others who might help find participants if their primary contact information does not work. Obviously, tracking will need to occur over a long period of time to allow those in the training rotations to graduate from the program and begin practicing, which may be 5-10 years. NAO CORE recommends regular contact with students (at least once per year) to keep the contact information current.

If resources limit the ability to track all participants, a representative sample could be used rather than the entire group of participants. The findings from the sample can then be used to make inferences to the total number of training rotation participants. From a statistical perspective, the larger the sample, the smaller the error in estimating the proportion of participants who practice in the state and in underserved areas. NAO CORE suggests that at least 100 but no more than

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400 at the AHEC Program level be tracked for the sample. Tracking 100 will produce estimates with no more than a 10% error; while tracking 400 will reduce the error to 5%. Those lost to follow-up should be categorized as failures to ensure that the estimates are conservative.

It may be possible to gather the needed data retrospectively, to determine which students who participated in training rotations in the past began practicing in underserved areas during the reporting year. Such a strategy would target all (or a sample) of past training rotation participants who should now be practicing their health profession. The major concern in this approach is having valid contact information on the participants, since likely many years would have past and the contact information gathered at the time of their participation at the time of the training rotation would no longer be current. Using only the information from those who could be contacted may introduce a “non-response” bias, because those who still had the same contact information are quite likely to be different from those who were lost to follow-up. If more than 25-30% of the targeted individuals could not be contacted, then the bias will likely be sufficient to make the estimates invalid.

Outcome 9. Number of health professionals AHEC program participants in the reporting year who began practice in underserved areas. (Long-term Outcome)

Do you provide services related to this Outcome?

- No
- Yes, but we will not collect the data at this time.
- Yes, we collected the data as shown below.

Please provide a brief description of your methods of gathering this data:

Data to Report to NAO CORE Time Frame: _____

_____ # of health professionals AHEC program participants in the reporting year who began practice in underserved areas.

Of the number of participants reported above:

| Hispanic | Non-Hispanic |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.

Not all AHECs have a program to actively recruit health professionals to meet urgent workforce needs in the community, but some do and these are the numbers we would like to be submitted to CORE. It is likely that in recruiting community faculty and interacting with community providers AHEC staff identify new professionals moving to the community that have been involved with AHEC in the past. These too are numbers we would like to aggregate nationally.

Outcome 10. Number of health professionals who declared the AHEC CE program contributed to retaining their license or certification. (Intermediate-term Outcome)

Do you provide services related to this Outcome?

- No
- Yes, but we will not collect the data at this time.

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____ Yes, we collected the data as shown below.

Please provide a brief description of your methods of gathering this data:

Data to Report to NAO CORE **Time Frame:** _____

_____ # of health professionals who declared the AHEC CE program contributed to retaining their license or certification.

Of the number of participants reported above:

| Hispanic | Non-Hispanic |
|---|---|
| _____ # American Indian/ Alaska native | _____ # American Indian/ Alaska Native |
| _____ # African American | _____ # African American |
| _____ # Asian | _____ # Asian |
| _____ # Native Hawaiian or Other Pacific Islander | _____ # Native Hawaiian or Other Pacific Islander |
| _____ # White | _____ # White |
| _____ # Disadvantaged | _____ # Disadvantaged |

Suggested questions/method to gather outcomes data.

Question 10.1. Did your participation in this CE program contribute to you retaining your license or certification to practice?

- Yes, definitely*
- Yes, probably*
- No, not really
- Does not apply