

Attachment 10

Calculations – WIOA Indicators of Performance

Figure 1: Calculation: Employment Rate – Second Quarter After Exit Quarter (All non-youth Participants)

The data for the numerator in this calculation is drawn from *PIRL 1602 or RSA-911 Element 383*: *Employed in Second Quarter After Exit Quarter*.

Numerator

Of all participants in the denominator:

Participants who were employed in the 2nd quarter after program exit (PIRL 1602; code value #1, 2, or 3) or (RSA-911 Element 383; code #1, 2, 3, or 4).

Denominator

Total # of Participants who exited during the reporting period from title I adult (PIRL 903; code value #1, 2, or 3), title I dislocated worker (PIRL 904; code value #1, 2, or 3), title II AEFLA (PIRL 910; code value #1), title III Employment Service (PIRL 918; code value #1), and title IV VR (PIRL 917; code value #1, 2, or 3) or (RSA-911 Element 355; code #13, 14, 16, 17, 18, or 19) programs, except those that exit for any of the reasons listed in (PIRL 923; code value #1, 2, 3, 4, 5, 6, or 7) or (RSA-911 Element 355; code #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, or 15).

Figure 2: Calculation: Title I Youth Education and Employment Rate – Second Quarter After Exit Quarter (Not applicable to title II AEFLA and title IV VR)

The data for the numerator in this calculation is the unique count of records showing participants employed, which is drawn from *PIRL 1602: Employed in Second Quarter After Exit Quarter* and from *PIRL 1900: Youth 2nd Quarter Placement (Title I)*.

Numerator

Of all participants in the denominator:

Youth employed in the 2nd quarter after program exit (PIRL 1602; code value #1, 2, or 3) or youth in training or education in the 2nd quarter after program exit (PIRL 1900; code value #1, 2, or 3).

Denominator

Total # of participants who exited during the reporting period from title I youth program (PIRL 905; code value #1, 2, or 3), except those that exit for any of the reasons listed in (PIRL 923; code value #1, 2, 3, 4, 5, 6, or 7).

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Figure 3: Calculation: Employment Rate – Fourth Quarter After Exit Quarter (All non-youth Participants)

The data for the numerator in this calculation is drawn from *PIRL 1606* or *RSA-911 Element 389 (Employed in 4th Quarter After Exit Quarter)*.

Numerator

Of all participants listed in the denominator:

Participants who were employed in the 4th quarter after program exit (PIRL 1606; code value #1, 2, or 3) or (RSA-911 Element 389; code #1, 2, 3, or 4).

Denominator

Total # of participants who exited during the reporting period from title I adult (PIRL 903; code value #1, 2, or 3), title I dislocated worker (PIRL 904; code value #1, 2, or 3), title II AEFLA (PIRL 910; code value #1), title III Employment Service (PIRL 918; code value #1), and title IV VR (PIRL 917; code value #1, 2, or 3) or (RSA-911 Element 355; code #13, 14, 16, 17, 18, or 19) programs, except those that exit for any of the reasons listed in (PIRL 923; code value #1, 2, 3, 4, 5, 6, or 7) or (RSA-911 Element 355; code #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, or 15).

Figure 4: Calculation: Title I Youth Education and Employment Rate – Fourth Quarter After Exit Quarter (Not applicable to title II AEFLA and title IV VR)

The data for the numerator in this calculation is the unique count of records showing participants employed drawn from *PIRL 1606: Employed in 4th Quarter After Exit Quarter* and from *PIRL 1901: Youth 4th Quarter Placement (Title I)*.

Numerator

Of all participants in the denominator:

Youth employed in the 4th quarter after program exit (PIRL 1606; code value #1, 2, or 3) or youth in training or education in the 4th quarter after program exit (PIRL 1900; code value #1, 2, or 3).

Denominator

Total # of participants who exited during the reporting period from title I youth program (PIRL 905; code value #1, 2, or 3), except those that exit for any of the reasons listed in (PIRL 923; code value #1, 2, 3, 4, 5, 6, or 7).

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Figure 5: Calculation: Median Earnings Indicator

The median is the number that is in the middle of the series of numbers, so that there is the same quantity of numbers above the median as there are below the median.

The data for this calculation is drawn from *PIRL 1704 or RSA-911 385: Wages 2nd Quarter After Exit Quarter*.

$\{(n + 1) \div 2\}$ value, where n is the number of earnings for all participants who exited during the reporting period employed in unsubsidized employment in the 2nd quarter after exit (PIRL 1704) or (RSA-911 Element 385), except those that exit for specified reasons listed in (PIRL 923; code value #1, 2, 3, 4, 5, 6, or 7) or (RSA-911 Element 355; code #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, or 15).

1. To calculate the median, wages must first be ranked (sorted in ascending order).
2. The median earnings value is the wage in the middle of the rank order list.
3. Median = the middle value of a set of ordered data.

If the list rank order of earnings contains an even number of values, sum the two middle values and divide by two. Whether there is an odd or even number of entries in the list of earnings values, there will be an equal number of records above and below the median value.

Example of Calculation of Median Earnings

If the series of values is 1, 2, 12, **22**, 33, 43, 195, the median value is the number that is in the middle of the series of numbers, so that there is the same quantity of numbers above the median as there is below the median. In this example, the median value would be **22**.

If there is an even number of values, such as 1, 2, 12, **22, 27**, 33, 43, 195 the median value is the sum of the two middle values divided by two. In this case the median value would be $(\mathbf{22 + 27}) / 2 = \mathbf{24.5}$

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Figure 6: Calculation: Credential Attainment Rate Indicator

$$\text{Credential Attainment Indicator} = \frac{A+C}{B+D}$$

Postsecondary Credential

Numerator

A

Of all Participants included in the denominator:

The date on which a participant attains a credential (PIRL 1801) or (RSA-911 Elements 87, 88, 89, 90, 93, 94, 95, or 377) occurs during participation in, or within 1 year after Program Exit (PIRL 901) or (RSA-911, Element 353) **AND**

The type of credential attained (PIRL 1800; code value #2, 3, 4, 5, 6, 7, or 8) or (RSA-911 Elements 87, 88, 89, 90, 93, 94, 95, or 378) is recognized as a postsecondary credential.

Denominator

B

Date of Program Exit (PIRL 901) or RSA-911 Element 353) is within the timeframe being reported (i.e., Jan 1, 2017 – Dec 31, 2017) **AND**

At least one type of training service (PIRL 1303, PIRL 1310, or PIRL1315; code value #2, 3, 4, 6, 7, 8, 9, or 10) or (RSA-911 Elements 150, 151, 164, 170, 171, 177, 178, 184, 185, 191, 192, 198, 199) in which the participant was enrolled is considered "Postsecondary" **OR**

The participant participated in postsecondary education (PIRL 1332; code value #1) or (RSA-911 Element 84; code #1), except those that exit for specified reasons listed in (PIRL 923; code value #1, 2, 3, 4, 5, 6, or 7) or (RSA-911 Element 355, code # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, or 15).

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Figure 6 (cont.): Calculation: Credential Attainment Rate Indicator

Credential Attainment Indicator = $\frac{A+C}{B+D}$

Secondary Credential

Numerator

C

Of all participants included in the denominator:

The date on which a participant attains a credential (PIRL 1801) or (RSA-911 Element 81 or 82) occurs during participation in, or within 1 year after Program Exit (PIRL 901) or (RSA-911 Element 353) **AND**

The type of credential attained (PIRL 1800, code value #1) is recognized as a Secondary School Diploma/or Equivalency **AND**

The participant enrolls in a post exit education or training program leading to a recognized postsecondary credential (PIRL 1406) or (RSA-911 Element 376) within 1 year after program exit (PIRL 901) or (RSA-911 Element 353) **OR**

The participant is employed in the 1st Quarter (PIRL 1600; code value #1, 2, or 3) or (RSA-911 Element 379; code #1, 2, 3, or 4), 2nd Quarter (PIRL 1602; code value #1, 2, or 3) or (RSA-911 Element 383; code #1, 2, 3, or 4), 3rd Quarter (PIRL 1604; code value #1, 2, or 3) or (RSA-911 Element 386; code #1, 2, 3, or 4), or 4th Quarter (PIRL 1606; code value #1, 2, or 3) or (RSA-911 Element 389; code #1, 2, 3, or 4) after program exit.

Denominator

D

Date of Program Exit (PIRL 901) or (RSA-911 Element 353) is within the timeframe being reported (i.e., Jan 1, 2017 – Dec 31, 2017) **AND**

At least one type of training service in which the participant was enrolled (PIRL 1303, PIRL 1310, or PIRL 1315) is considered “Secondary” [code value #4 for “ABE or ESL (contextualized or other) in conjunction with Training (non-TAA funded)”] or (RSA-911 Elements 170 and 171) **OR**

The participant was "Enrolled in Secondary Education Program at Program Entry" (PIRL 1401, code value #1) or (RSA-911 Element 78; code #1), except those that exit for specified reasons listed in (PIRL 923, code value #1, 2, 3, 4, 5 6, or 7) or (RSA-911 Element 355; Code #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, or 15).

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Figure 7: Calculation: Measurable Skill Gains Indicator

Numerator

Of all the participants in the denominator:

[The unique count of the most recent date which on participants achieved a Measurable Skill Gains is in the reporting period, via one of the following:

Educational Functioning Level (PIRL 1806) or (RSA-911 Element 343)

OR Postsecondary Transcript/Report Card (PIRL 1807) or (RSA-911 Element 345)

OR Secondary Transcript/Report Card (PIRL 1808) or (RSA-911 Element 344)

OR Training Milestone (PIRL 1809) or (RSA-911 Element 346)

OR Skills Progression (PIRL 1810) or (RSA-911 Element 347)]

Denominator

All participants enrolled in an education or training program leading to a recognized postsecondary credential or employment (PIRL 1811) or (RSA-911 Element 85) except those that exit for specified reasons listed in (PIRL 923; code value #1, 2, 3, 4, 5 or 6) or (RSA-911 Element 355; Codes #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, or 15).