



**NEW MOSIS DATA COLLECTION**

**ASVAB**  
ARMED SERVICES VOCATIONAL APTITUDE BATTERY

September 2012

Missouri Department  
of Elementary and Secondary Education

## AGENDA

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- What is the Armed Services Vocational Aptitude Battery (ASVAB)
- How ASVAB Data are Collected for the MSIP5 CCR Indicator
- Processing CCR Data
- Timelines



## What is the ASVAB



### Armed Services Vocational Aptitude Battery (ASVAB)

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- Armed Services Vocational Aptitude Battery (ASVAB)

<http://www.todaysmilitary.com/before-serving-in-the-military/asvab-test>

The ASVAB is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military.

- ASVAB Testing Program

<http://official-asvab.com/>



## How ASVAB Data are Collected for the MSIP5 CCR Indicator

Additional references for review:

MSIP5: <http://dese.mo.gov/qs/MSIP5.html>

MSIP5 Scoring Guide Summer Session:  
<http://dese.mo.gov/qs/MSIP5sg.html>

July 2012 Recorded Webinar:  
[https://desemo.adobeconnect.com/\\_a754202577/p52y4uavwc0/?launcher=false&fcsContent=true&pbMode=normal](https://desemo.adobeconnect.com/_a754202577/p52y4uavwc0/?launcher=false&fcsContent=true&pbMode=normal)

Additional questions contact: [qualityschools@dese.mo.gov](mailto:qualityschools@dese.mo.gov)



## MSIP5 – CCR Measures

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- \*1-3 Percent of graduates scoring at or above state standard  
Data Sources
  - Test vendors – ACT, SAT, COMPASS
  - New collections – ASVAB
  - MOSIS June Enrollment and Attendance – graduates
- \*4 Advanced placement / dual-credit  
Data Sources
  - Test vendors – AP, IB
  - MOSIS – TSAs, dual-credit
  - MOSIS June Enrollment and Attendance – graduates
- \*5-6 Postsecondary placement  
Sources
  - MOSIS February Graduate Follow-Up
  - MOSIS June Enrollment and Attendance – graduates



## CCR \*1-3

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- Sources
  - Test vendors – ACT, SAT, COMPASS
  - New collections – ASVAB
  - June Enrollment and Attendance – graduates



## ASVAB – Sources of Data

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- Department of Defense
  - CCSSO State efforts
- Missouri Sources
  - MEP offices
  - Initial collection – number of years of data
    - 2010, 2011 and 2012



## ASVAB – Sources of Data (Paper Report)

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**ASVAB SUMMARY RESULTS**

ASVAB Results	Percentile Score	11th Grade Standard Score Bands	11th Grade Score
	11th Grade	11th Grade	11th Grade
Career Exploration Scores	84 86 85		89
Verbal Skills	23 22 23	50-59	43
Math Skills	84 86 85	50-59	60
Science and Technical Skills			
ASVAB Tests			
General Science	79 69 74		56
Arithmetic Reasoning	25 21 23	50-59	44
Word Knowledge	80 89 89		61
Paragraph Comprehension	65 67 65		55
Mathematics Knowledge	78 75 76	50-59	44
Electronics Information	86 74 84		68
Auto and Shop Information	26 13 19	50-59	41
Mechanical Comprehension	41 36 41		61
<b>Military Entrance Score (AFQT) 43</b>			

**EXPLANATION OF YOUR ASVAB TEST RESULTS**

Your ASVAB results are reported as standardized scores and are compared to the rest of the 11th grade in your state. For example, a percentile score of 84 means that 84% of the 11th grade students scored the same or better than about every 100 students in the 11th grade.

For purposes of career planning, knowing your relative standing in each category is more important than knowing your absolute score in some areas. Viewing your scores in light of your relative standing to his or her peers may encourage you to explore areas that you might otherwise overlook.

You can use the Career Exploration Scores to evaluate your knowledge and skills in three general areas: Career, Math, and Science and Technical Skills. You can use the ASVAB Test Scores to gather information on specific skill areas. Together, these scores provide a snapshot of your current knowledge and skills. This information will help you develop and review your career goals and plans.

The ASVAB is an aptitude test. It is neither an absolute measure of your skills and abilities nor a perfect predictor of your success or failure. A high score does not guarantee success, and a low score does not guarantee failure. In a balanced, combined program for occupation. For example, if you have never worked with shop equipment or cars, you may not be familiar with the terms and concepts assessed by the Auto and Shop Information test. Taking a course or attending a short-term job in this area would increase your knowledge and improve your score if you took the test again.

**USING ASVAB RESULTS IN CAREER EXPLORATION**

Your career and educational plans may change over time as you gain more experience and learn more about your interests. Exploring Careers. The ASVAB Career Exploration Conference helps you learn more about yourself and the world of work. It identifies strengths, interests, goals, and dreams, and offers advice on how to achieve your goals. The Conference helps you identify your own strengths and interests, and helps you explore possible pathways to success. As you develop your career exploration and planning skills, remember that your ASVAB results can help you identify the careers that are most suitable for your school course.

We encourage you to discuss your ASVAB results with a teacher, counselor, parent, family member, or other identified adult. These individuals can help you review your ASVAB results in light of their own career experiences, such as your interests, school grades, motivation, and personal goals.

**USE OF INFORMATION**

Personal identity information, addresses, and telephone numbers are not included in this report. If you are a member of the Department of Elementary and Secondary Education, the Career Center, and/or your school, your school or local school system can determine if your information will be used for research purposes. The DDESE will use your scores for increasing and assessing the power of its research. All other use of your information will be strictly for research purposes only.

**MILITARY ENTRANCE SCORES**

The Military Entrance Score (also called AFQT) is the score for the Armed Forces Qualification Test. The score is used to determine your qualifications for entry into the military. The score is also used to determine your eligibility for a general transfer to the military. The Military Entrance Score is a general transfer score for high school students and is not an entrance score for the military. You must refer to your local newspaper or Agency for more information. (AFQT) score of 43.

After the Close Find and FYI

Access Code expires: July 16, 2013

Explore career possibilities by using your Access Code at [www.asvabprogram.edu](http://www.asvabprogram.edu)

SEE YOUR COUNSELOR FOR FURTHER INFORMATION

## ASVAB Collection

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Item Name	Required	Data Type	Item Name	Required	Data Type
Collection Version	Required	Text	Verbal Skills	Optional	Integer
Current School Year	Required	Integer	Math Skills	Optional	Integer
Reporting District Code	Required	Text	Science and Tech Skills	Optional	Integer
Reporting School Code	Required	Text	General Science	Optional	Integer
MOSIS Student ID	Required	Text	Arithmetic Reasoning	Optional	Integer
Local Student ID	Optional	Text	Word Knowledge	Optional	Integer
Legal Last Name	Required	Text	Paragraph Comprehension	Optional	Integer
Legal First Name	Required	Text	Mathematics Knowledge	Optional	Integer
Legal Middle Name	Optional	Text	Electronics Information	Optional	Integer
Legal Name Suffix	Optional	Text	Auto and Shop Information	Optional	Integer
Date of Birth	Required	Text	Mechanical Comprehension	Optional	Integer
Social Security Number	Optional	Text	Military Entrance Score	Required	Integer
Student Grade Level	Required	Text			
Gender	Required	Text			
Race/Ethnicity	Required	Text			
ASVAB Test Date	Required	Text			

MOSIS File Layouts: <http://dese.mo.gov/MOSIS/FileLayout.html>

## Processing CCR Data

### CCR Measures

Standards *1-3 Test vendors – ACT, SAT, COMPASS	New collections – ASVAB
Standards *4 Test vendors – AP, IB	MOSIS – TSAs, dual-credit
Standards *5-6 Post-Secondary Follow-UP	MOSIS – Feb. Graduate Follow-Up



## Processing Steps

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- STEP 1: DESE receives data
  - Use MOSIS to link students with their assessment records
  - Matching process considers name, date of birth, and other info
- STEP 2: ID cleanup
  - Districts will receive an assessment file with their students
  - Inaccuracies can be corrected
- STEP 3: Graduate file
  - Districts will be provided a file of graduates
  - Will identify students without an assessment



## Accessing Cleanup Files

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- DESE-created trial available through MOSIS
- Requires secure log-in
- System will report anomalies for your review
- Can update records directly through MOSIS interface or download, make changes, and upload later

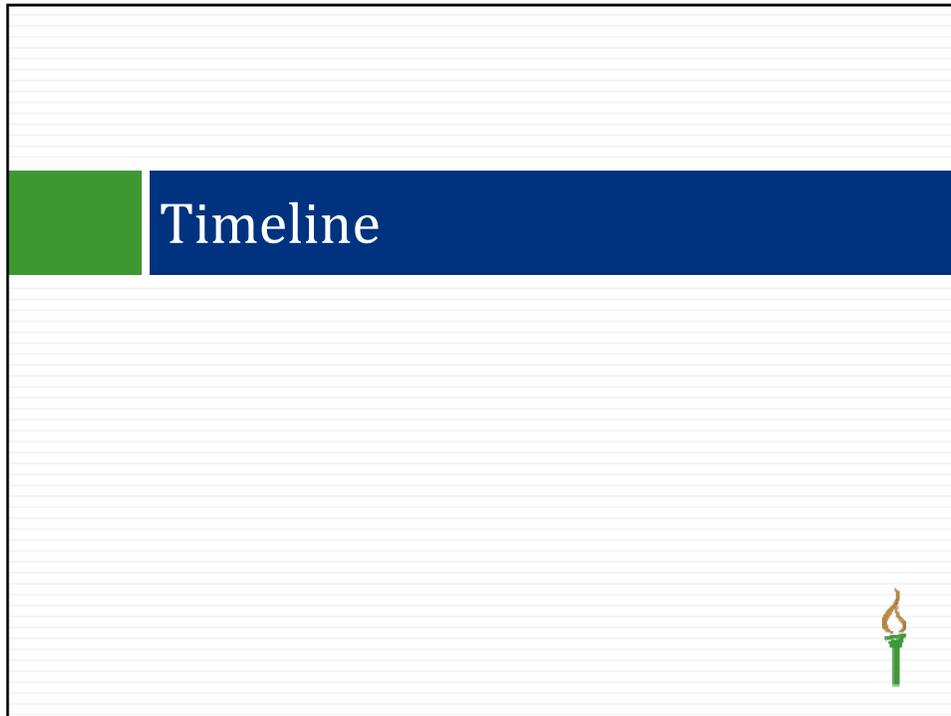


## Additional Data Tools

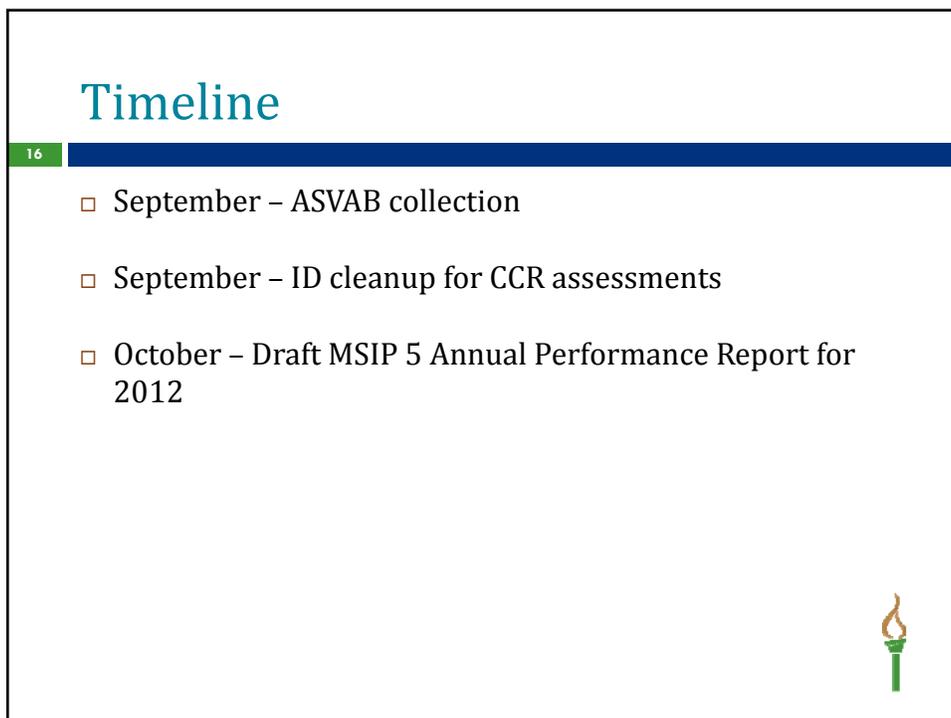
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- Score histories
  - Reports containing highest scores on each assessment taken by the student
  - Available prior to graduation
- Graduate reports
  - Show which graduates do and don't have CCR data





# Timeline



# Timeline

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- September – ASVAB collection
- September – ID cleanup for CCR assessments
- October – Draft MSIP 5 Annual Performance Report for 2012

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## Contact Us

[dese.mo.gov](http://dese.mo.gov)

[dsm@dese.mo.gov](mailto:dsm@dese.mo.gov)

