

OSTP Precode Training 2021-2022

November 16, 2021







Agenda

- Precode Training
- CCRA Updates
- Data Tools







Precode Window

Open now and closes on January 12, 2022, at 11:59 PM





What is Precode?

- The Precode process creates a record of all students expected to participate in OSTP assessments in grades 3-8 and high school.
- The review ensures the correct students are identified for assessments and that the correct test administration materials are automatically ordered.





Precode Updates 2021-2022

- In previous years, the Precode file has been generated through a state-created report hosted in the Wave. Beginning in 2021-2022, the Precode file will be generated through the Accountability Reporting application.
- This change was implemented to:
 - Ensure greater accuracy in identifying those students expected to participate in the assessment; and
 - Account for (and provide LEAs the ability to indicate) individual student accommodations that require paper or alternate assessments.





Precode Updates 2021-2022

- One Precode Application for OSTP and for WIDA.
- LEAs are not required to "certify" their rosters, only to ensure that they are correct upon closure of the window.

WIDA

- The WIDA Precode window is open now through November 30, 2021. LEAs should note that the WIDA Precode will no longer be managed through the Wave and will now be a function of the Accountability Reporting application.
- Staff completing the WIDA Precode review must:
 - Be provided read/review access in the Accountability Reporting application by their superintendent; and
 - Review the <u>supporting guidance webinar</u> (slides available <u>here</u>).





What to Check

When reviewing student information pay particular attention to the

- Student State Testing Number (STN)
- First and Last name
- Birthdate
- EL Status
- Demographics such as race, ethnicity, economically disadvantaged
- Students in grades 3-8 and 11 will be Precoded as online testers.
- IEP/504 Status
 - EdPlan must be correct:
 - Paper/Pencil, Braille & Large Print, OAAP





Large Print, Braille, and Paper Tests

In EdPlan:

- Codes must be entered in the State Testing Accommodations field.
- Orders for Large Print, Braille, & Paper Accommodated tests will be placed automatically with the vendor.
 - If these accommodations are present in the previous year's IEP, the IEP does not need to be updated prior to the close of Precode.
- IEPs only need to be completed and **finalized** in EdPlan for students:
 - Needing these accommodations (large print, braille, paper test); AND
 - Who do not have them documented in their current IEP and their annual review has not yet occurred.





Precode Rules

Grades 3 - 8

- The grade the student is in during Precode will determine what grade level test the student is rostered for.
- If a student transfers to a new district between Precode and the testing window, ensure your local student information system (SIS) has the student enrolled in the correct grade and that their demographic information is correct.





Precode Rules

Grade 11

- Students who are enrolled in grade 11 when the Precode snapshot is taken in January will be included in Precode as a grade 11 student and expected to test.
- For SAT and ACT, students will be automatically added to their testing platforms.
- If a student transfers districts and is **erroneously** enrolled in the wrong grade, do not exit and re-enroll, correct in local SIS.
- Districts may add grade 11 students to the Cognia testing platform (OSTP Data Portal) manually if the student(s) were promoted after the close of the Precode.

As a reminder: participation in grade 11 assessments is required by state law to satisfy graduation requirements.





High School Graduation Requirements 70 O.S. § 1210.508

• F.1.

Beginning with students entering the ninth grade in the 2017-2018 school year, each student shall take the assessment or assessments included in the statewide student assessment system adopted by the Board pursuant to subsection A of this section in order to graduate from a public high school with a standard diploma. All students shall take the assessment or assessments prior to graduation, unless otherwise exempt by law.



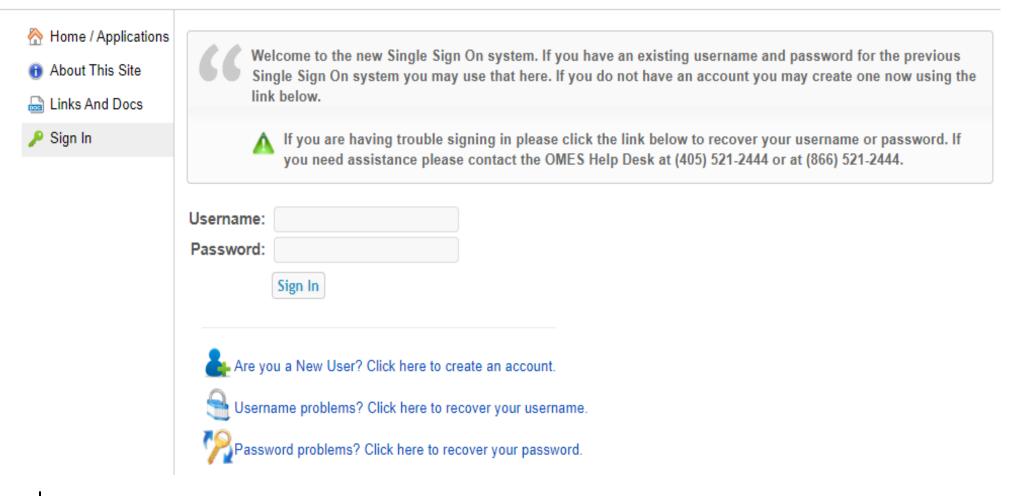


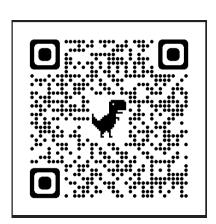
OAAP Participation

- The Every Student Succeeds Act (ESSA) requires Oklahoma to ensure the number of students assessed with the OAAP in Math, ELA and Science does not exceed 1.0 percent of the statewide student testing population.
- If your district is anticipating **more than 1.0 percent** of your total testing population will participate in the OAAP for the 2022 spring operational tests, the district must provide justification for this exception. Look for future communications regarding 1.0 percent exception justification.
- Districts will be able to calculate their percentage of students participating in OAAP during the Precode window.



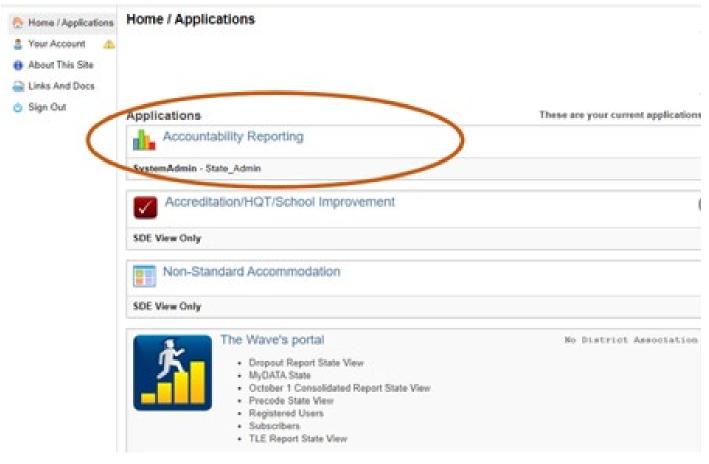
Note that staff completing this review will require site and/or district-level access in the Accountability Reporting application.

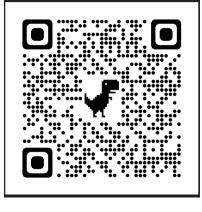






- Log into Single Sign On (SSO) https://sdeweb01.sde.ok.gov/SSO2/
- Navigate to the Accountability Reporting App.







Mome / Applications Your Account

About This Site

Links And Docs

Sign Out

Precode, Step By Step

Review and agree to the FERPA agreement before entering the Accountability Reporting Application.

Transfer Home > Transfer

You must agree to this FERPA agreement before accessing the AccountabilityReporting application.

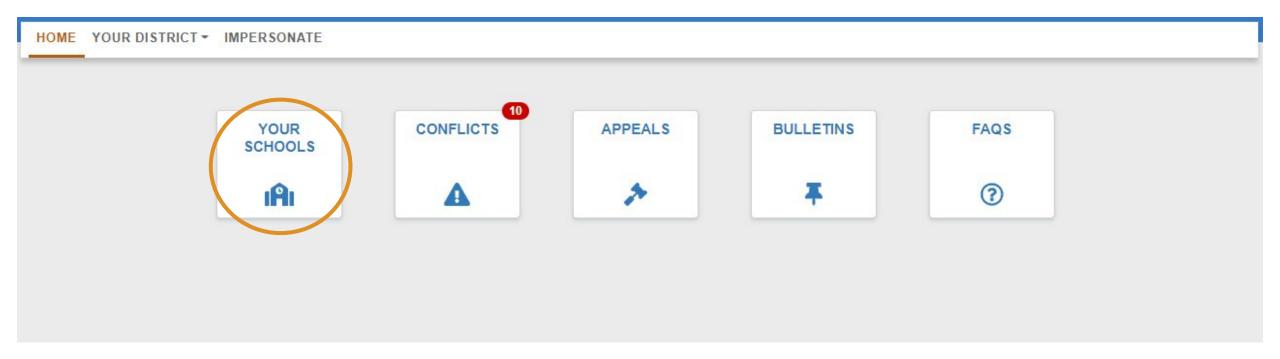
- Do keep only those individual student records necessary for the fulfillment of your teaching and advising responsibilities. Private notes of a faculty member concerning a student and intended for the faculty member's own use are not part of the student's educational records.
- Do keep any personal professional records relating to individual students separate from their educational records, Private records of instructional, supervisory, and administrative personnel and ancillary educational personnel are to be kept in the sole possession of the maker and are not to be accessible or revealed to any other person, except a substitute.
- Do change factual information regarding grades and performance in an educational record when the student is able to provide valid Documentation that information is inaccurate or misleading. The substantive judgment of a faculty member about a student's work, expressed in grades and/or evaluations, is not within the purview of students' right to challenge their educational records.
- · Do not display student scores or grades publicly in association with names, Social Security Numbers, or other personal identifiers. If scores or grades are posted, use some code known only to you and the individual student.
- · Do not put anything containing student names and grades in publicly accessible places. Students are not to have access to the scores and grades of others in class in ways that allow other students to be identified.
- Do not request information from the educational record custodian without a legitimate educational interest and the appropriate authority to do so.
- Do not share student educational record information, including grades or grade point averages, with other faculty or staff members unless their official responsibilities identify their "legitimate educational interest" in that information for that student.
- Do not share information from student educational records, including grades or grade point averages, with parents or others outside the institution, including letters of recommendation, without written permission from the student.
- . Do not provide anyone with lists or photos of students for any commercial use.
- Do not provide anyone with student schedules or assist anyone in finding a student.
- · When in doubt, err on the side of caution and Do not release student educational information.
- · You should NEVER allow anyone to login under your login or password.
- Logout of this system whenever you will not be at your desk. The institution is responsible for any unauthorized persons. Laptops need to be placed in a secure place at all times. Do not store personally identifiable student information on your laptop.
- · Be aware of the positioning of your computer screen so that it is not visually available to unauthorized persons. Laptops need to be placed in a secure place at all times. Do not store personally identifiable student information on your laptop.
- Paperwork containing student identifiable information should be put away whenever you are not at your desk.



DO NOT AGREE









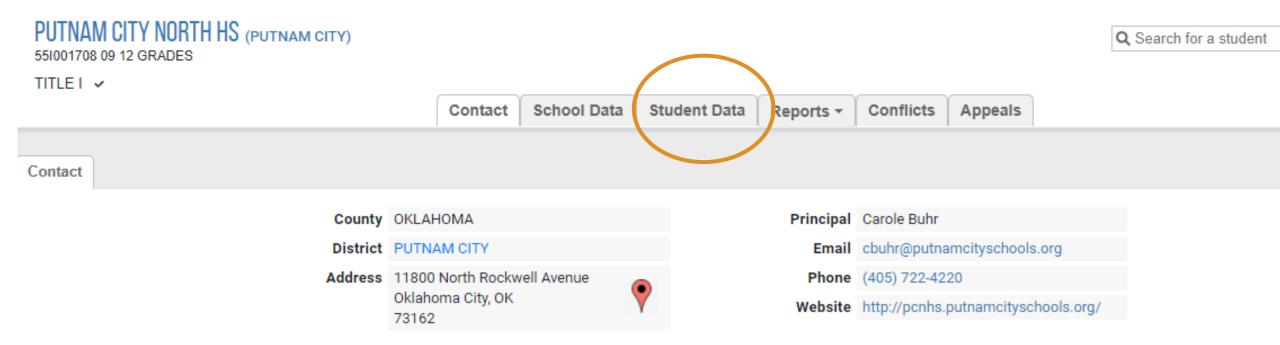




School Code	Full Code	School Name	Grade Level Low	Grade Level High	_
102	551001102	APOLLO ES	PK	05	
110	551001110	ARBOR GROVE ES	PK	05	
105	551001105	CENTRAL ES	PK	05	
520	551001520	COOPER MS	06	08	
115	551001115	CORONADO HEIGHTS ES	PK	05	
116	551001116	DENNIS ES	PK	05	
118	551001118	HARVEST HILLS ES	PK	05	
530	551001530	HEFNER MS	06	08	
120	551001120	HILLDALE ES	PK	05	
510	551001510	JAMES L. CAPPS MS	06	08	
122	551001122	KIRKLAND EARLY CHILDHOOD CTR	PK	02	
124	551001124	LAKE PARK ES	PK	05	
540	551001540	MAYFIELD MS	06	08	
125	551001125	NORTHRIDGE ES	PK	05	
126	551001126	OVERHOLSER ES	PK	05	
705	551001705	PUTNAM CITY HS	09	12	
708	551001708	PUTNAM CITY NORTH HS	09	12	
710	551001710	PUTNAM CITY WEST HS	09	12	
117	551001117	RALPH DOWNS ES	PK	05	
127	551001127	ROLLINGWOOD ES	PK	05	
128	551001128	TULAKES ES	PK	05	
130	551001130	WESTERN OAKS ES	PK	05	
550	551001550	WESTERN OAKS MS	06	08	-

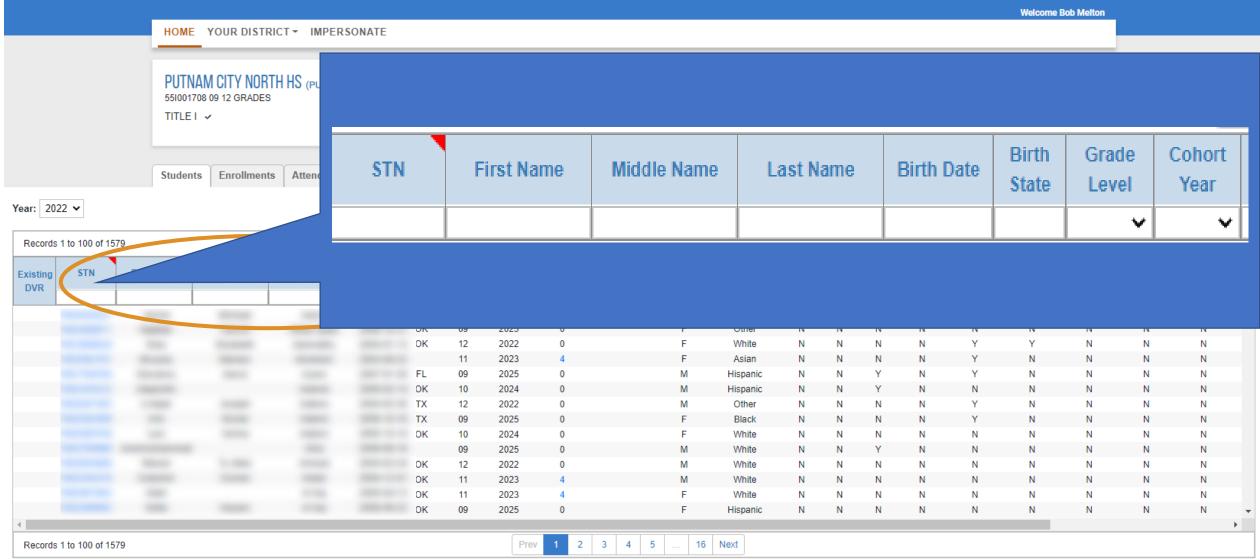






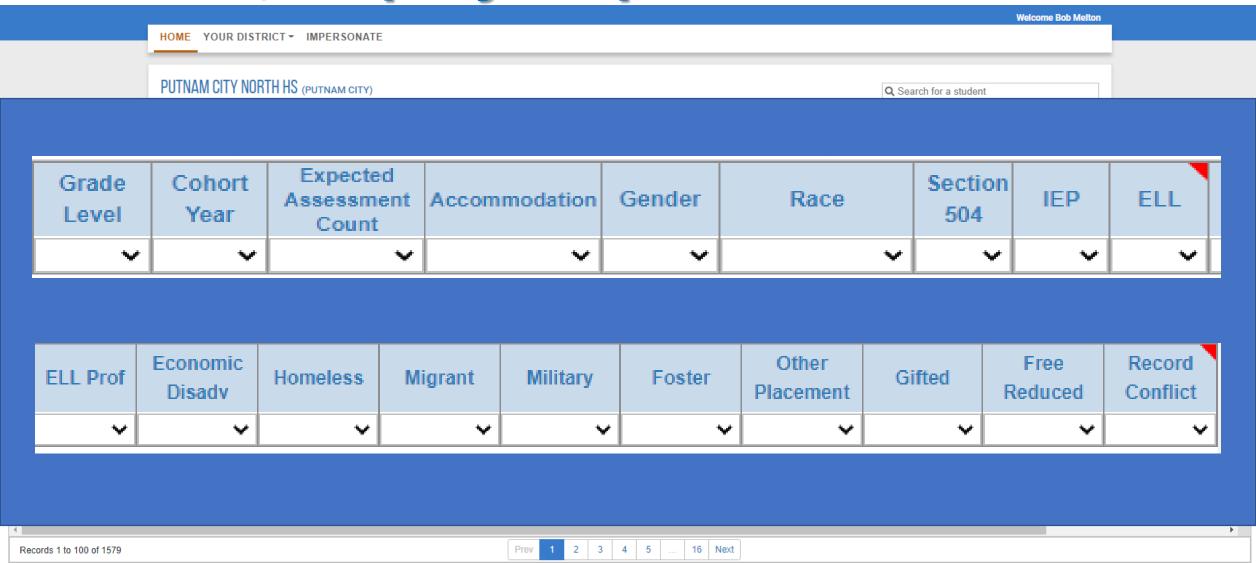












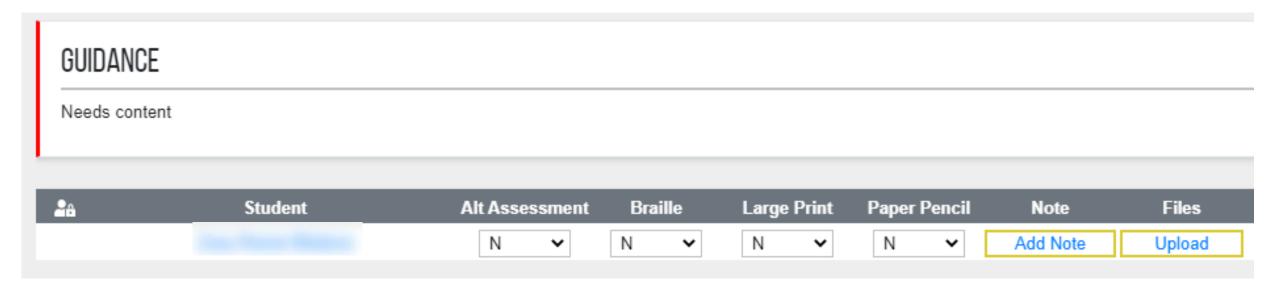




Grade Level	Cohort Year	Expected Assessment Count	Accommodation	Gender	Race	Section 504	IEP	ELL
~	2023 🕶	V	~	~	~	Υ×	~	~
11	2023	4		F	White	Υ	N	N
11	2023	4		M	White	Y	N	N
11	2023	4		F	Black	Υ	N	N
11	2023	4		F	White	Υ	N	N
11	2023	4		M	Black	Υ	N	N
11	2023	4		M	Black	Υ	N	N
11	2023	4		F	White	Υ	N	N
11	2023	4		M	Hispanic	Υ	N	N
11	2023	4		F	White	Υ	N	N
11	2023	4		M	White	Υ	N	N
11	2023	4		F	Other	Υ	N	N
11	2023	4		F	White	Υ	N	N
11	2023	4		F	American Indian	Υ	N	N
11	2023	4		F	White	Υ	N	N
11	2023	0		F	Other	Υ	N	N
11	2023	0		F	White	Υ	N	N
11	2023	4	9	F	White	Υ	N	N









Trouble Shooting

If the accommodations are not importing into the Accountability Reporting App:

- First verify the STN in EdPlan is correct.
- Verify the information is correctly listed in EdPlan and in the local SIS.
- If the STN in EdPlan does not match the STN in Accountability, email the Accountability Office to resolve the problem. Please include the STN but not any other personally identifiable information. accountability@sde.ok.gov
- It can take up to 48 Hours for changes to populate through the district SIS, EdPlan, and into the Accountability Reporting App.
- If students with a 504 are not populating in the Accountability Reporting App their accommodations will need to be added manually.





For questions, please contact the Office of Assessments:

Assessments@sde.ok.gov

405-521-3341





CCRA Updates



Peer Review: SAT/ACT Assessments

- CCRA Selection: Evidence of stakeholder feedback of locally selected option of either ACT or SAT must be submitted to SDE <u>ONLY</u> if your district changed CCRA. This evidence should be submitted no later than December 1, 2021.
- Informed Consent: Participation in the non-test portion/survey of the SAT or ACT requires either parental informed consent or age of majority student's consent.
- Accommodations: Must receive SAT/ACT approval in order to use accommodations.



CCRA: SAT With Essay

- OSDE is providing the digital SAT with Essay for 11th graders as part of the state's college- and career-readiness accountability assessment.
- All students will test online. Only students who have an accommodation requiring a paper-pencil test can test on paper.
- Each student must complete all sections of the test in one day unless the student has been approved for accommodations that extend testing time beyond a day. All students taking the test on the same day must test at the same time.
- Students MUST test in the 3-day window, unless they have accommodations that allow them to test in the accommodated testing window from April 13-26, 2022.



CCRA: SAT With Essay

	Dates	Mode
Primary Digital Testing Window	April 13 - 15	Online
Accommodated Digital Testing Window	April 13 - 26	Online
Makeup Testing Window	April 26	Online



Contact Info for SAT

OSDE College and Career Readiness Assessments webpage https://sde.ok.gov/college-and-career-readiness-assessments

Practice Resources For Students collegereadiness.collegeboard.org/sat/practice

College Board Website Collegeboard.org

Digital Testing Portal digitaltesting.collegeboard.org/

Contact College Board's Oklahoma Field Team State Inbox (OKSAT@collegeboard.org)
Joshua Romberg (jromberg@collegeboard.org)





Oklahoma Spring 2022 ACT® Test Dates

Online Testing (Standard & Accommodations)	Dates
Online Testing Window (Standard and Accommodated Testing)	April 5-7, 12-14, 2022 Make-Up: April 19, 2022

Note: Spring 2022 systems will open in **November 2021**. ACT will communicate additional information in the coming weeks.

Paper Accommodations Testing	Dates
Paper Accommodations Window	April 5-8, 11-15, 2022



ACT Accommodation Changes



- ACT announced in July changes to their accommodation's approval process.
- Beginning with the 2021-22 testing year, students who already receive accommodations at their school under a current IEP or 504 plan will automatically be eligible to receive the allowable testing accommodations.
- This effort is to expedite the process and streamline the amount of documentation required.
 - Sites will still need to submit the accommodation request to ACT for approval.
- More information about the policy change and process for requesting accommodations can be found here: www.act.org/the-act/accomms.





ACT Success – Trusted Agent Access

- New Single Sign-on platform for access to ACT systems
 - This includes the Online Reporting and TAA (accommodations) systems.
- Trusted Agent serves as system "Gatekeeper" approves/invites access for all others within the district and schools
- Trusted Agent Access Codes sent to Superintendent
- ACT will be sending reminder email to Superintendents and DTCs.

Resources:

ACT Success - https://success.act.org

ACT-hosted state webpage – <u>www.act.org/stateanddistrict/oklahoma</u>

ACT will host "Office hours" to answer questions

Information to be included in Counselors' Newsletters





SPRING ACT 2022 TRAINING

- Accommodations Training:
 - December 2, 2021, at 1:00 p.m.
 - Register
- Test Administration Training #1:
 - December 9, 2021, at 1:00 p.m.
 - Register
- Test Administration Training #2:
 - March 10, 2022, at 1:00 p.m.
 - Register





TEST ADMINISTRATION

800.553.6244 ext **2800**

act.org/stateanddistrict/contactus

Spring ACT 2022 Contact Information

ACCOMMODATIONS & SUPPORTS

800.553.6244 ext **1788**

ACTStateAccomms@act.org



Accountability Updates



Data Transparency, Quality, and Purpose

Local Student Information System (SIS)

The Wave

Accountability Reporting

Public Reporting

- The Accountability Reporting application is fed through a school's locally selected Student Information System (SIS) via the Wave.
- Data displayed on the public Dashboard is populated with data collected and validated in the Accountability Reporting application.
- Data available in the Accountability Reporting application is updated in real-time to provide timely and actionable information to school leaders.



Dashboard Updates

SY 2020-2021 Accountability Waiver

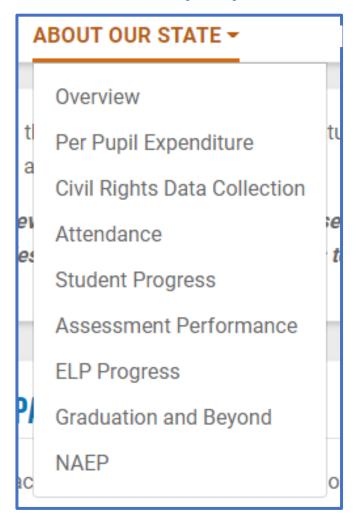
The Oklahoma State Department of Education (OSDE) requested a waiver of accountability and school identification requirements for the 2020-2021 academic year, which was later granted by the U.S. Department of Education. As a result, the Office of Accountability will not identify schools for comprehensive (CSI), targeted (TSI), or additional targeted support and improvement (ATSI) status for the 2020-2021 academic year.

To support the public's understanding of school quality and the impacts of COVID-19, the **OSDE must display relevant data**, including student attendance data, state summative assessment participation and proficiency rates, and other contextual measures as federally required.

For more information on the waiver, see: <u>OK Accountability Waiver Response</u>.



Contextual measures provide additional information beyond accountability-specific indicators

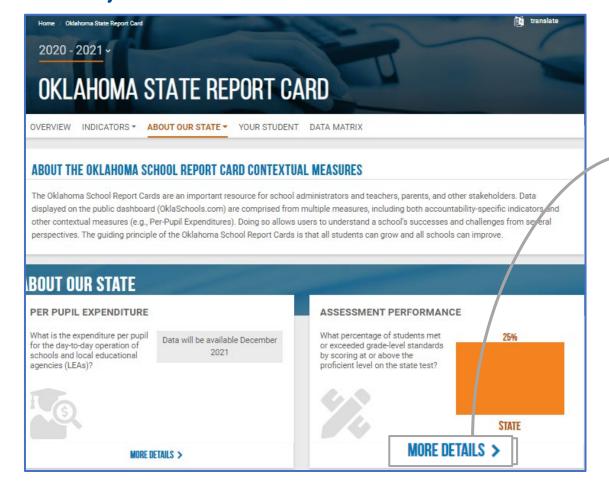


Data displayed on the public dashboard (OklaSchools.com) are comprised from multiple measures, including both accountability-specific indicators and other contextual measures (e.g., Per-Pupil Expenditures).

Doing so allows users to understand a school's successes and challenges from several perspectives.



Contextual measures are displayed on the About our State, District, or School Tab







Enrollment graduation report supports that will be available athttps://sde.ok.gov/resources-accountability-reporting#all



- SY 2020 Enrollment Graduation Calculation Verification Review Toolkit
- SY 2021 Enrollment Graduation Data Verification Review Toolkit, Webinar Recording, Slide Deck
- SY 2021 Enrollment Graduation Audit Toolkit
- SY 2021 Enrollment Graduation Calculation Verification Review Toolkit



Upcoming: Chronic Absenteeism Medical Exemption Window

In accordance with OAC 210:10-13-25 g. Reporting absences determined medically exempt to the State Department of Education.

A school district or charter school that has adopted a chronic absenteeism medical exemption policy in accordance with this Section, and has determined under the policy that one or more student absences are medically exempt from inclusion in the chronic absenteeism indicator, shall report such absences determined medically exempt to the Oklahoma State Department of Education (OSDE) Office of Accountability. To ensure that an absence which has been determined eligible for a medical exemption by a school district's medical exemption review committee is identified as exempt in sufficient time for the absence to be excluded from the chronic absenteeism calculation, the Office of Accountability may set an annual deadline for the reporting of such medically exempt absences. The reporting of absences identified under a district's policy as medically exempt may require the submission of the district's chronic absenteeism medical exemption policy and documentation of the medical exemption review committee's approval of the exempted absences.

All documentation considered during the medical exemption review committee's consideration of potentially eligible absences shall be maintained by the school district or charter school and shall be available to regional accreditation officers for auditing purposes.



Chronic Absenteeism Medical Exemption process

Local Exemption Committee

District/Site User

Admin User

Local exemption committee meet to approve or deny medical exemption requests based on OAC 210:10-13-25 and local Board policy and documents decision



District/ Site User reports
approved exemptions for a
particular student and
uploads local approval
documentation in the
Accountability Reporting
application for review by the
Admin user

Admin User approves, denies or requests additional information for submitted exemption requests.

District user **must be different** than the Admin
User



Getting ready for Chronic Absenteeism Medical Exemptions

- Review 210:10-13-25. Determination of the chronic absenteeism indicator
- Adopt a Board Policy for Medical Exemptions
 - Sample Attendance Board Policy
- Assemble an Exemption Review Committee
 - Sample Committee Exemption Documentation
- Identify District/Site and Admin Users for your site
 - Medical Exemption User Form
- Review Student with Disabilities and Chronic Absenteeism Guidance
- Review SY 2022 Enrollment and Attendance Guidance



OSTP Portal Data Tools Highlight



OSDE believes that an accountability system should provide accessible, meaningful, and actionable information about public schools.



Public Dashboard https://oklaschools.com/





Accountability Reporting

Single Sign-On: Data tables for schools feed the Public Dashboard

(Secure portal; Password protected, access granted by district)

OKLAHOMA SCHOOL TESTING PROGRAM

Parent/Student Portal

OSTP Parent Portal: Student performance and next steps for families

(Secure portal; Password protected)



Data Available for Stakeholders: Public Dashboard

OVERVIEW INDICATORS ▼ ABOUT OUR SCHOOL ▼ YOUR STUDENT DATA MATRIX

The overview page provides information about the state, district or school and displays the school report card.

The indicator tab provides more details about each report card measure (e.g., performance by student group).

About our state, district or school provides contextual data beyond the report card measures (e.g., per pupil expenditures).

Your student links
to the secure
OSTP Student
Portal to provide
families with
access to their
student's state test
scores.

Data Matrix links to
the ESC Data
Matrix to provide a
way to compare
performance
between measures
and demographics.



OSTP Portal



https://oklahoma.cognia.org/



Summative Assessment Data for SY 2021

Grade-Level Expectations

- Is still a sound comparison to grade-level expectations
- Tells us the what about student performance
- Does not tell us the "why" about student performance
- Helps us understand system-level supports that are necessary to help teachers and students

How much further am I from end-of-year expectations?



OSTP Performance Data

Performance Levels

- Relates **level of readiness** for the next grade, course or level by connecting student test scores to the **OAS** as described in the **Performance Level Descriptors (PLDs)**.
- Four Levels- Below Basic, Basic, Proficient or Advanced

Performance Index Scale Score (OPI)

- Provides a more specific measure of readiness to be on track by relating where a score is relative to a performance level.
- Comparable scale across all tests from 200-399 wherein 300 is always Proficient

Reporting Category

- Relates confidence level to which students are likely to demonstrate the Proficient level is knowledge, skills and abilities (KSAs) with respect to the content represented in the STANDARD and performance on related questions on the state test.
- Three Levels- Below Standard, At/Near and Above Standard
- Students scoring At/Near or Above are likey to demonstarte the Proficent level KSAs



Performance Levels Communicate Readiness Along a Continuum

Below Basic

Students have not performed at least at the basic level

Basic

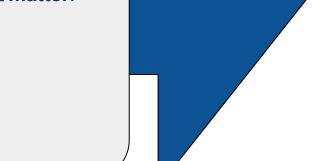
Students
demonstrate partial
mastery of the
essential knowledge
and skills that are
foundational for
proficient work at
their grade level or
course and that
students are not on
track to be ready for
college or career.

Proficient

mastery over
challenging
grade-level subject
matter, can analyze and
apply such knowledge to
real-world situations,
that students are ready
for the next grade,
course, or level of
education, and that
students are on track to
be ready for college or
career.

Advanced

Students
demonstrate
superior
performance
on challenging
subject matter.

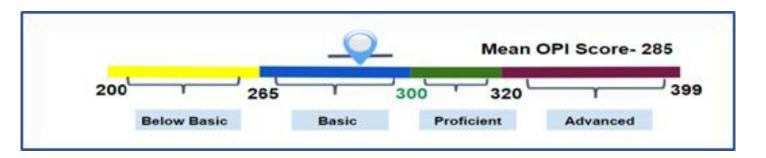


Source- Senate Bill 1197



Oklahoma Performance Index Scale Scores

- Oklahoma Performance Index (OPI) Scale Scores supplement performance-level data by pinpointing where a score is relative to the performance level.
- Performance Index scale scores are obtained by converting raw scores onto a common scale and accounting for differences in difficulty across different assessment form to allow for consistency in score interpretation.
- Because of this, Performance Index Scale Scores allow for numerical comparisons between groups of test takers taking the same test.





OPIs Pinpoint Performance Within a Level

Grade 5 ELA	Spring	200 – 270	Below Basic
		271 – 299	Basic
		300 – 322	Proficient
		323 – 399	Advanced
Grade 5 Math	Spring	200 – 265	Below Basic
		266 – 299	Basic
		300 – 320	Proficient
		321 – 399	Advanced
Grade 5 Science	Spring	200 – 271	Below Basic
		272 – 299	Basic
		300 – 329	Proficient
		330 – 399	Advanced

Grade 3-8 OSTP Performance Level Lookup Table
Grade 11: ACT/SAT OPI Conversion

Mean OPI scale scores pinpoint overall performance within a performance level.

Grade 11 OPI scale scores for ELA and Math are displayed in the Accountability Reporting application in the Assessment Performance Report.

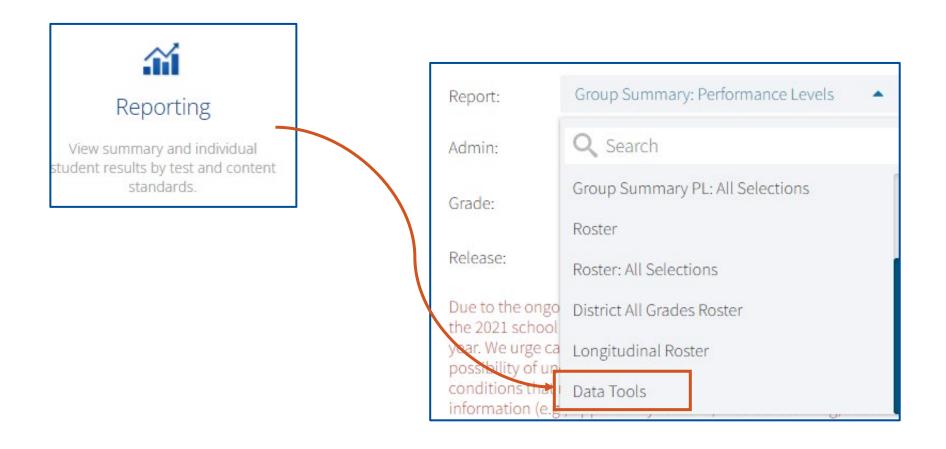


OSTP Data Portal Reports

Report	Data Available
Group Summary: Performance Levels	 Single grade: performance level data including OPI, percent scoring at each performance level and reporting category. Data can be disaggregated by student group for comparison purposes. Reminder: connect participation rates to consider who tested and who did not test.
Group Summary PL: All Grades	 Multiple grades: performance level data including OPI, percent scoring at each performance level and reporting category by subject. Data can be disaggregated by student group for comparison purposes: Reminder: connect participation rates to consider who tested and who did not test.
Group Summary PL: All Selections	 Single Grade: performance level data for all student groups including OPI, percent scoring at each performance level and reporting category by subject: Reminder: connect participation rates to consider who tested and who did not test.
Summary Counts	Provides summary counts for online, not other placelement, total tested, and total did not attempt
Longitudinal Roster	 Provides student level performance across grades for students enrolled at a site multiple years (For example, grade 3 in 2018, grade 4 in 2019 and grade 6 in 2021)
Data Tools	Single grade level data allowing for a deeper analysis including distribution and comparison



Focus on Data Tools: Available for SY 2021 next week





Exploring Data Tools

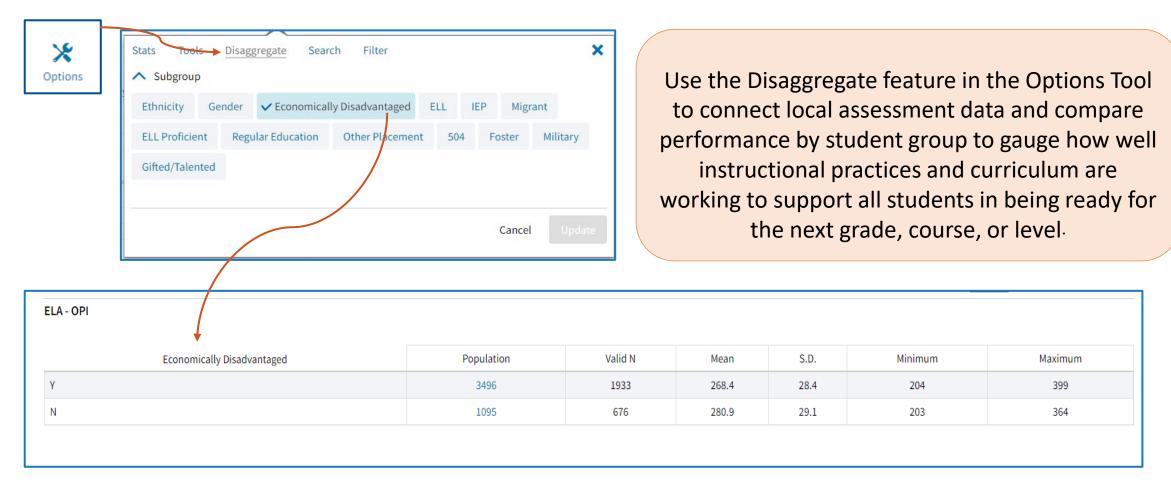


ELA - OPI					
Population	Valid N	Mean	S.D.	Minimum	Maximum
10007	5849	272.0	28.8	203	399

- Population: allows you to drill down to the roster level
- Valid N: Number of students that had a valid score
- Mean: Average Oklahoma Performance Index (OPI) Scale Score for all test takers with a valid score
- S.D. the standard deviation (S.D.) expresses how dispersed scores are from the mean
- Minimum: the lowest scale score value earned
- Maximum: the highest scale score value earned

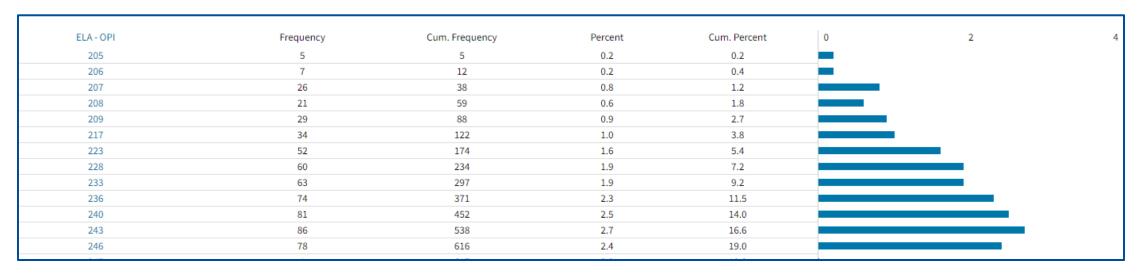


Comparing Means by Student Group





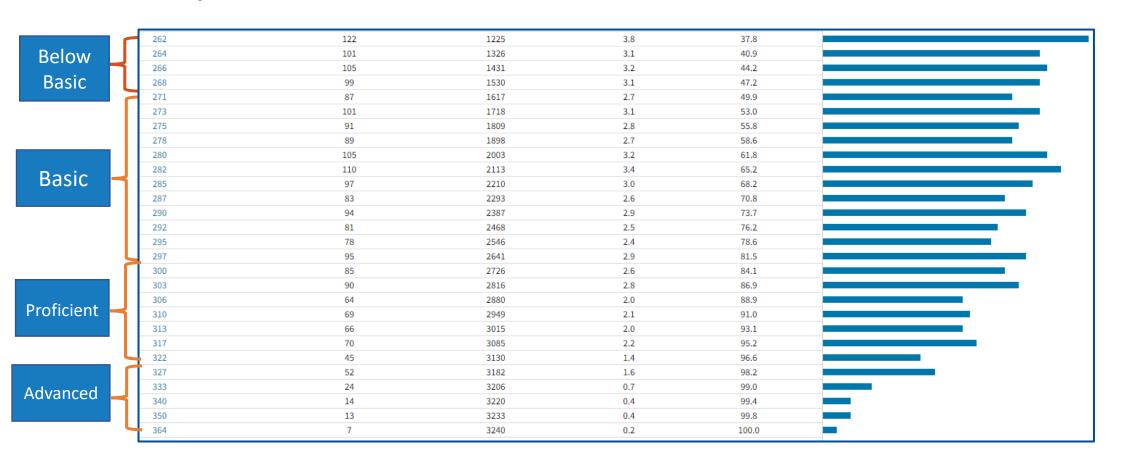
Exploring Distribute



- OPI: Scale score earned
- Frequency: number of students with a particular score
- Cum. Frequency: running total of students at each score
- Percent: Percent of students with a specific score
- Cum. Percent: aggregated percent of students scoring between a range of scores



OPI Scores pinpoint where students are scoring relative to the performance bands





Understanding performance through another perspective

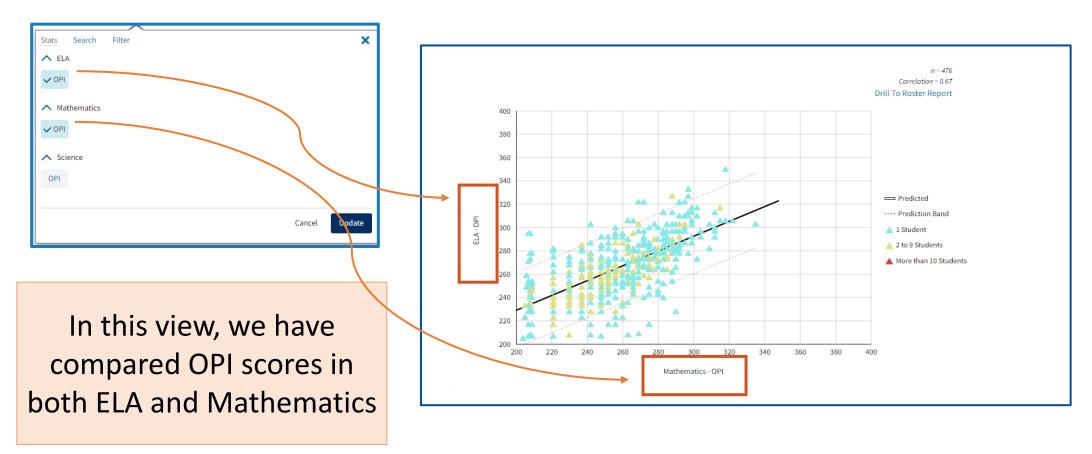


In this view, we have compared by reporting category. When connected with your local assessment data, this information can help you gauge where students may have unfinished learning.





Plot allows you to compare OPI scores between subjects





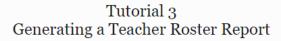
Drill To Roster Report Students scoring Students scoring 400 proficient or proficient or 380 above in ELA but above in ELA and 360 **not** in math math 340 - Predicted 320 ---- Prediction Band 300 ▲ 1 Student 2 to 9 Students 280 ▲ More than 10 Students 260 Students scoring 240 proficient or Students that may above in math but need additional **not** in ELA supports in both 200 220 240 260 280 300 320 380 400 340 360 ELA and math Mathematics - OPI

OKLAHOMA Education

n = 476

Correlation = 0.67

OSTP Portal Training Modules





Tutorial 5 Data Tools



Tutorial 4 Identifying Low Performing Student Groups



Tutorial 6 Searching for a Specific Subgroup of Students





OSTP Portal Survey



OSTP DTC Survey

Thank you for taking time to provide feedback on how you currently use data housed in the OSTP Portal to support actionable next steps. Your feedback matters and will help us better support the work that you do.

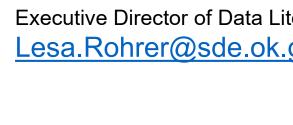




Contact Information



Lesa Rohrer **Executive Director of Data Literacy** Lesa.Rohrer@sde.ok.gov





Rebecca Logan Executive Director of National & International Assessments Rebecca.Logan@sde.ok.gov



Cora James **Executive Director of Assessment** Cora.James@sde.ok.gov



Alyssa Griggs **Executive Director of Accountability** Alyssa.Griggs@sde.ok.gov



Erik Friend **Executive Director of Data** Information Systems Erik.Friend@sde.ok.gov



Dan Ruhl **Executive Director of English** Language Proficiency Dan.Ruhl@sde.ok.gov

