Conexus

FOR CHILDREN'S VISION

VIRGINIA

VISION PROGRAM SUMMARY

2021-2022

May 24, 2022

The VA Code § 22.1-273 mandates school based vision screenings for students in K, 2nd or 3rd, 7th or 10th grades and all new students. This mandate affects roughly 370,000 students statewide annually.

In 2018, the Virginia General Assembly passed a budget amendment appropriating funds to VDOE to support technology based, comprehensive children's vision screening programs in schools and/or divisions with 40% or more of the student population eligible for free or reduced lunch. Conexus is the private, non-profit 501 c 3 organization that has worked to provide programming through this appropriation. The annual budget appropriation of $391,000 provides for program delivery for up to 55,857 (15%) of K-12 schools children affected by the mandate each year. Conexus just completed its fourth year of program delivery through the VDOE budget amendment. The 2022 General Assembly approved an increase of $350,000 for 2022/2023 to support services to an additional 50,000 students for the coming school year.

The following report summarizes Conexus program activity for the 2021/2022 school year and includes: vision screening results from the VDOE appropriation, screening results from grade levels outside the state mandated grade levels*, and results from the Conexus mobile vision clinic, which provides onsite eye exams and glasses for students who fail their vision screening.

The vision screening program, VisioCheck, was delivered in 37 Virginia school divisions, delivering 95,037 screenings, finding 33,759 (35.5%) students in need of a follow-up eye exam. The mobile vision clinic currently operates in three Central Virginia school divisions and provided 5,529 eye exams to students in those divisions who failed their Conexus vision screening. Services of the mobile vision clinic will expand in conjunction with doctor availabilty and Medicaid's ability to connect children to their existing vision benefit and provide reimbursement payment for *mobile* exams at an approved rate.

*As a result of COVID-19 many school divisions for the 2020/2021 school year were either closed, or operated on hybrid schedules with a significant virtual enrollment. For this reason many students did not receive their state mandated school based vision screening. As schools returned to a more normal attendance in 2021/2022, many divisions opted to utilize a portion of their one time ESSER COVID relief funds to support additional vision screenings for students in non-mandated grades (1, 4, 8, 11) to make up for the vision screening they likely missed in the COVID shut-down year. For years studies have cited increased screen time as a leading contributor to the increase in myopia (nearsightedness) in children.

Conexus 2021/2022 Service Region

Independent Cities

1	Alexandria	21	Manassas
2	Bedford	22	Manassas Park
3	Bristol	23	Martinsville
4	Buena Vista	24	Newport News
5	Charlottesville	25	Norfolk
6	Chesapeake	26	Norton
7	Colonial Heights	27	Petersburg
8	Covington	28	Poquoson
9	Danville	29	Portsmouth
10	Emporia	30	Radford
11	Fairfax	31	Richmond
12	Falls Church	32	Roanoke
13	Franklin	33	Salem
14	Fredericksburg	34	Staunton
15	Galax	35	Suffolk
16	Hampton	36	Virginia Beach
17	Harrisonburg	37	Waynesboro
18	Hopewell	38	Williamsburg
19	Lexington	39	Winchester
20	Lynchburg		
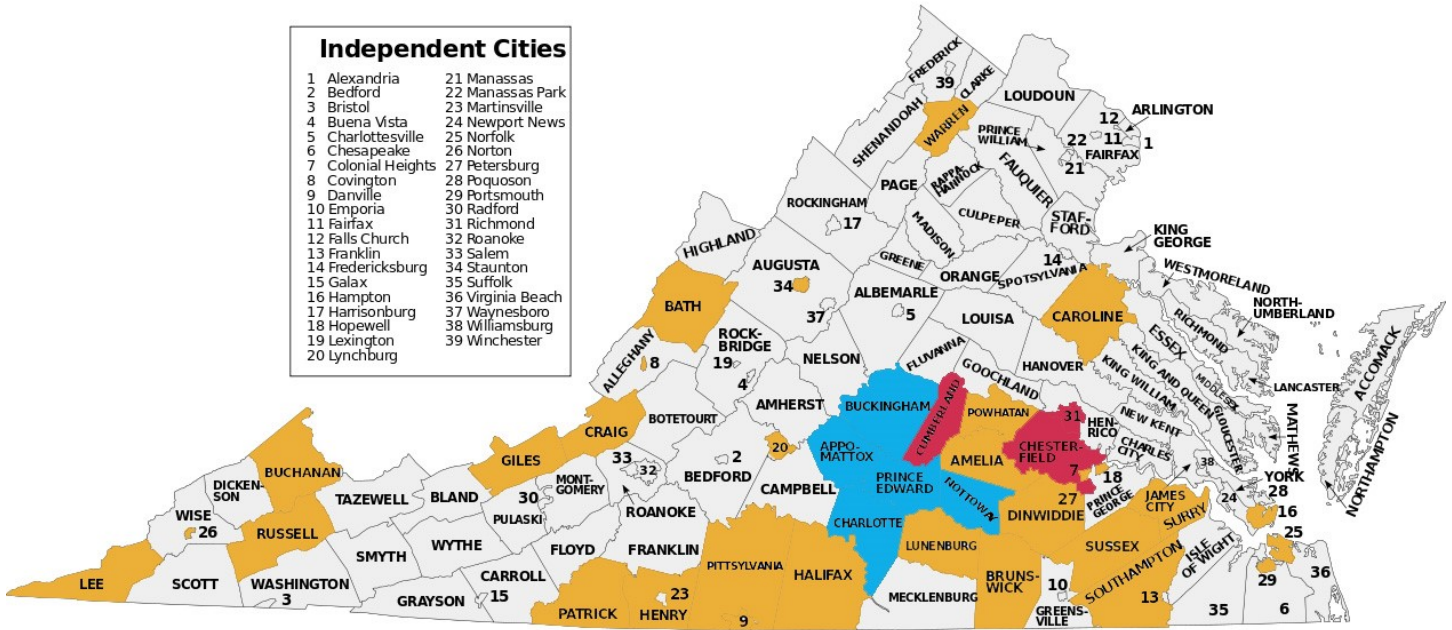
Legend:
- VisioCheck K-12 Screening (orange)
- VisioCheck Headstart Screening (blue)
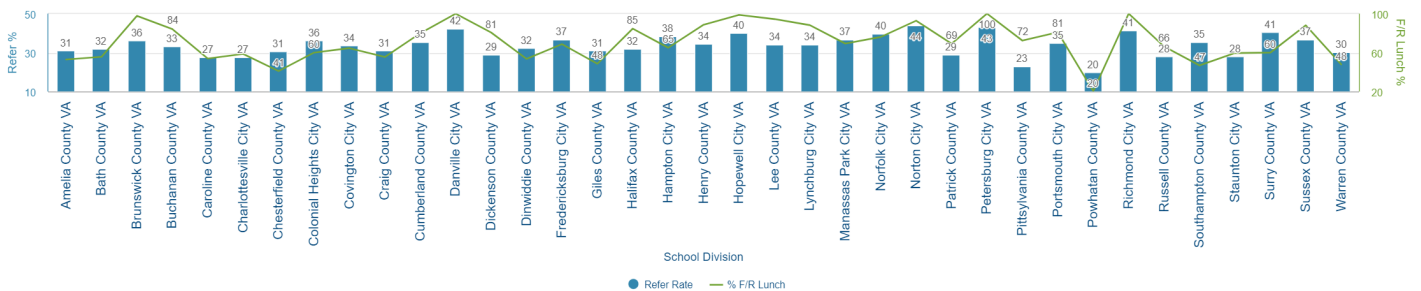- VisioCheck Screening and mobile vision clinic services (red)

Uncorrected poor vision trends closely with poverty
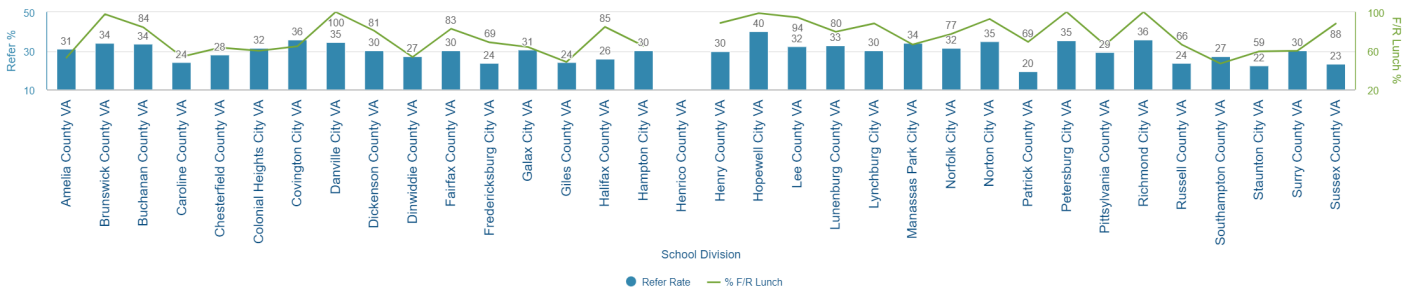
2019-2020 School Year: Virginia School Divisions Receiving VisioCheck Screening

2021-2022 School Year: Virginia School Divisions Receiving VisioCheck Screening

RESULTS

**Division Totals
2021-2022**

School Division	Total # Students Screened	Total # Students Failed Screening (Referred)	% of Students Referred
Amelia County Public Schools	375	108	28.80%
Bath County Public Schools*	272	90	33.09%
Brunswick County Public Schools	379	142	37.47%
Buchanan County Public Schools	506	154	30.43%
Caroline County Public Schools	1,332	359	26.95%
Charlottesville City Public Schools	1,223	366	29.93%
Chesterfield County Public Schools*	32,204	10,376	32.22%
Colonial Heights City Public Schools*	1,195	400	33.47%
Covington City Public Schools*	471	159	33.76%
Craig County Public Schools	145	44	30.34%
Cumberland County Public Schools*	606	201	33.17%
Danville City Public Schools	1,393	564	40.49%
Dickenson County Public Schools	507	150	29.59%
Dinwiddie County Public Schools*	2,145	775	36.13%
Fredericksburg City Public Schools	722	263	36.43%
Giles County Public Schools*	1,160	354	30.52%
Halifax County Public Schools	1,209	412	34.08%
Hampton City Public Schools	4,897	2,004	40.92%
Henry County Public Schools	1,705	630	36.95%
Hopewell City Public Schools*	1,381	557	40.33%
Lee County Public Schools*	1,196	415	34.70%
Lynchburg City Public Schools*	3,062	1,068	34.88%
Manassas Park City Public Schools	641	252	39.31%
Norfolk City Public Schools*	12,659	5,035	39.77%
Norton City Public Schools*	400	162	40.50%
Patrick County Public Schools	639	203	31.77%
Petersburg City Public Schools*	2,233	976	43.71%
Pittsylvania County Public Schools	446	98	21.97%
Portsmouth City Public Schools	2,669	1,019	38.18%
Richmond City Public Schools*	10,560	4,296	40.68%
Russell County Public Schools	986	273	27.69%
Southampton County Public Schools*	1,247	481	38.57%
Staunton City Public Schools	682	207	30.35%
Surry County Public Schools	132	51	38.64%
Sussex County Public Schools*	439	156	35.54%
Warren County Public Schools	1,181	356	30.14%
SUBTOTAL	92,999	33,156	35.65%
Powhatan County Public Schools	1,409	325	23.07%
Private Schools VA	530	225	42.45%
RIC-Catholic Diocese of Richmond	60	19	31.67%
Richmond Head Start VA	21	7	33.33%
STEPS INC (Headstart Progam)	75	27	36.00%
TOTAL	95,094	33,759	35.50%
*school divisions participating in COVID CatchUP			
VDOE Screenings	55,857		
COVID Catch UP Screenings	39,237		
Non traditional screenings	2,095		

2021-2022 Vision Screening Results

The following report contains the screening outcomes for each individual school division served by the Conexus VisioCheck, technology based children's vision screening program for the 2021-2022 school year. The breakdown of information is to allow individual divisions to see how uncorrected vision may be impacting their students, classrooms and schools.

Elementary schools traditionally conduct their vision screenings by classrooms. Conexus began sorting vision screening data by classrooms to explore the possiblity that when students are grouped by their learning ability or progress, one variable that may be impacting learning is uncorrected poor vision. The charts for each school provide a breakdown of the number of children screened in each school, the number of referrals in that school, *where applicable* the number of classrooms screened in that school and then the breakdown of classrooms by the percentage of the number of students in the classroom failing their vision screening.

The national average for children's vision problems is 25%. Schools with rates of vision problems higher than 30% are highlighted in orange. Classrooms are broken down into three categories -- **Average** 0-29.9%, **High** 30-39.9%, **Excessive** 40% or greater. When 40% or more of students in a classroom are not seeing as well as they should it impacts the entire class and teacher, not just those students with uncorrected poor vision.

This report opens with the statewide cumulative chart below. This chart shows Conexus screened 95,094 students and found 33,759 (35.5%) with a potential vision problem. This number is well above the national 25% average and is higher than in previous years (possibly as a result of the increased screen time resulting from COVID school closures and virtual learning in the 2020-2021 school year). There were 3,208 individual classrooms screened and 841 (26%) of those classrooms had 40% or more of the students fail their vision screening.

Statewide averages
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
37 Virginia School Divisions	21.22									
Total		95,094	33,759		3,208	1368	310	689	449	392
Average Refer Rate				35.50%					26.22%	

Amelia County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Amelia County Elementary	9/27/2021	186	41	22.04%	9	6	1	2	0	0
Amelia County High*	9/27/2021	97	39	40.21%						
Amelia County Middle*	9/27/2021	92	28	30.43%						
Total		**375**	**108**		**9**	**6**	**1**	**2**	**0**	**0**
Average Refer Rate						**28.80%**			**0.00%**	

The national average for vision problems in school aged children is 25%.

Classrooms, schools, or divisions reporting 25% or less of their students with potential vision problems fall within the national average. Almost all school divisions will contain segments of their population with higher than average vision problems.

Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

* some schools, especially secondary schools, do not record or manage their screening results by classroom.

Bath County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Bath County High*	10/6/2021	107	48	44.86%	0	0	0	0	0	0
Millboro Elementary	10/6/2021	83	17	20.48%	5	3	2	0	0	0
Valley Elementary	10/6/2021	82	25	30.49%	8	3	3	1	1	0
Total		**272**	**90**		**13**	**6**	**5**	**1**	**1**	**0**
Average Refer Rate						**33.09%**			**7.69%**	

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Brunswick County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Brunswick High*	9/10/2021	84	45	53.57%	0	0	0	0	0	0
James S. Russell Middle	9/9/2021	86	32	37.21%	6	1	1	2	1	1
Meherrin Powellton Elementary	9/9/2021	68	18	26.47%	4	1	0	2	1	0
Red Oak-Sturgeon Elementary	9/10/2021	56	15	26.79%	4	2	1	1	0	0
Totaro Elementary	9/9/2021	85	32	37.65%	6	3	0	0	1	2
Total		379	142		20	7	2	5	3	3
Average Refer Rate				37.47%					30.00%	

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Buchanan County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Council Elementary/Middle*	9/2/2021	45	7	15.56%	0	0	0	0	0	0
Council High*	9/2/2021	22	12	54.55%	0	0	0	0	0	0
Grundy High*	9/2/2021	46	17	36.96%	0	0	0	0	0	0
Hurley Elementary/Middle*	9/30/2021	124	33	26.61%	0	0	0	0	0	0
Hurley High*	9/30/2021	36	8	22.22%	0	0	0	0	0	0
Riverview Elementary/Middle*	9/1/2021	140	39	27.86%	0	0	0	0	0	0
Twin Valley Elementary/Middle*	9/1/2021	76	31	40.79%	0	0	0	0	0	0
Twin Valley High*	9/1/2021	17	7	41.18%	0	0	0	0	0	0
Total		506	154							
Average Refer Rate				30.43%						

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						Average		**High**	**Excessive**	
						0-25%	26-29%	30-39%	40-49%	50% +
Bowling Green Elementary	9/22/2021	245	53	21.63%	11	8	2	1	0	0
Caroline High*	9/20/2021	282	121	42.91%	0	0	0	0	0	0
Caroline Middle*	9/8/2021	299	47	15.72%	15	13	0	0	0	0
Lewis and Clark Elementary	9/15/2021	321	77	23.99%	13	10	2	1	0	0
Madison Elementary	9/29/2021	185	61	32.97%	7	0	0	5	2	0
Total		**1,332**	**359**		**46**	**31**	**4**	**9**	**2**	**0**
Average Refer Rate						**26.95%**			**4.35%**	

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						Average		**High**	**Excessive**	
						0-25%	26-29%	30-39%	40-49%	50% +
Buford Middle*	11/11/2021	215	74	34.42%	0	0	0	0	0	0
Burnley-Moran Elementary	10/25/2021	141	23	16.31%	7	5	1	1	0	0
Charlottesville High*	11/10/2021	256	115	44.92%	0	0	0	0	0	0
Clark Elementary*	11/5/2021	120	40	33.33%	7	3	3	1	0	0
Greenbrier Elementary	10/25/2021	132	28	21.21%	6	4	1	1	0	0
Jackson-Via Elementary	11/5/2021	129	38	29.46%	6	2	3	1	0	0
Johnson Elementary	10/22/2021	129	29	22.48%	5	4	1	0	0	0
Venable Elementary	10/22/2021	80	13	16.25%	6	6	0	0	0	0
Walker Upper Elementary*	10/25/2021	21	6	28.57%	0	0	0	0	0	0
Total		**1,223**	**366**		**37**	**24**	**9**	**4**	**0**	**0**
Average Refer Rate						**29.93%**			**0.00%**	

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Chesterfield County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
A.M. Davis Elementary	1/18/2022	494	130	26.32%	24	10	5	6	1	2
Alberta Smith Elementary	9/13/2021	353	69	19.55%	17	14	1	2	0	0
Bailey Bridge Middle*	11/17/2021	866	323	37.30%	0	0	0	0	0	0
Bellwood Elementary	8/2/2021	372	118	31.72%	27	6	7	9	1	4
Bensley Elementary	1/24/2022	406	126	31.03%	24	10	1	7	3	3
Bettie Weaver Elementary	11/19/2021	372	40	10.75%	19	18	0	1	0	0
Beulah Elementary	10/11/2021	589	202	34.30%	31	6	4	9	8	4
Bon Air Elementary	12/1/2021	362	73	20.17%	18	15	0	1	2	0
C. C. Wells Elementary	10/15/2021	324	75	23.15%	19	10	1	8	0	0
C. E. Curtis Elementary	2/22/2022	427	109	25.53%	21	9	2	10	0	0
Carver Career and College Academy*	11/8/2021	65	33	50.77%	0	0	0	0	0	0
Carver Middle*	9/22/2021	529	220	41.59%	0	0	0	0	0	0
Chester Early Learning Childhood Academy CECLA	9/1/2021	254	78	30.71%	17	8	0	4	4	1
Clover Hill Elementary	9/23/2021	467	73	15.63%	23	22	0	1	0	0
Clover Hill High*	2/3/2022	712	347	48.74%	0	0	0	0	0	0
Cosby High*	11/22/2021	848	366	43.16%	0	0	0	0	0	0
Crestwood Elementary	12/6/2021	352	72	20.45%	21	15	4	2	0	0
Ecoff Elementary	9/1/2021	392	127	32.40%	22	6	1	7	7	1
Elizabeth Davis Middle*	10/13/2021	715	302	42.24%	0	0	0	0	0	0
Elizabeth Scott Elementary	1/5/2022	486	137	28.19%	27	11	5	7	4	0
Enon Elementary	10/18/2021	417	110	26.38%	21	10	2	6	2	1
Ettrick Elementary	10/4/2021	309	114	36.89%	19	5	2	3	5	4
Evergreen Elementary	12/2/2021	466	76	16.31%	25	21	1	3	0	0
Falling Creek Elementary	8/4/2021	421	147	34.92%	27	8	2	7	5	5
Falling Creek Middle*	1/31/2022	814	420	51.60%	0	0	0	0	0	0
Grange Hall Elementary	12/7/2021	525	107	20.38%	25	18	3	4	0	0
Greenfield Elementary	9/15/2021	258	55	21.32%	15	12	1	2	0	0
Harrowgate Elementary	8/30/2021	227	84	37.00%	14	5	0	4	3	2
J.A. Chalkley Elementary	11/15/2021	561	182	32.44%	32	8	4	9	10	1
J.B. Watkins Elementary	10/20/2021	500	91	18.20%	25	23	0	2	0	0
J.G. Hening Elementary	12/13/2021	469	126	26.87%	26	10	3	10	3	0
James River High*	1/25/2022	768	308	40.10%	0	0	0	0	0	0
L. C. Bird High*	9/7/2021	558	229	41.04%	0	0	0	0	0	0
Manchester High*	11/22/2021	762	307	40.29%	0	0	0	0	0	0
Manchester Middle*	8/30/2021	675	281	41.63%	0	0	0	0	0	0
Matoaca Elementary	8/31/2021	319	68	21.32%	19	14	1	2	0	2
Matoaca High*	1/12/2022	519	184	35.45%	0	0	0	0	0	0
Matoaca Middle*	10/7/2021	505	179	35.45%	0	0	0	0	0	0

Chesterfield County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Meadowbrook High*	9/7/2021	775	316	40.77%	0	0	0	0	0	0
Midlothian High*	1/20/2022	915	379	41.42%	0	0	0	0	0	0
Midlothian Middle*	1/27/2022	798	333	41.73%	0	0	0	0	0	0
Monacan High*	1/20/2022	519	234	45.09%	0	0	0	0	0	0
O.B. Gates Elementary	9/17/2021	282	51	18.09%	17	14	1	2	0	0
Old Hundred Elementary	12/9/2021	524	96	18.32%	27	18	5	3	1	0
Providence Elementary	9/20/2021	391	123	31.46%	19	9	2	3	4	1
Providence Middle*	11/10/2021	522	246	47.13%	0	0	0	0	0	0
Reams Road Elementary	9/27/2021	297	83	27.95%	18	10	3	2	1	2
Robious Elementary	9/28/2021	410	57	13.90%	19	17	1	1	0	0
Robious Middle*	9/30/2021	675	188	27.85%	0	0	0	0	0	0
Salem Church Elementary	10/25/2021	316	100	31.65%	17	4	1	9	3	0
Salem Church Middle*	11/8/2021	554	247	44.58%	0	0	0	0	0	0
Spring Run Elementary	11/4/2021	513	81	15.79%	26	23	0	2	1	0
Swift Creek Elementary	11/10/2021	378	61	16.14%	18	16	1	1	0	0
Swift Creek Middle*	11/11/2021	531	206	38.79%	0	0	0	0	0	0
Thelma Crenshaw Elementary	11/29/2021	378	92	24.34%	22	14	0	6	2	0
Thomas Dale High*	11/29/2021	914	398	43.54%	0	0	0	0	0	0
Tomahawk Creek Middle*	12/15/2021	1,019	290	28.46%	0	0	0	0	0	0
W.W. Gordon Elementary	11/3/2021	363	54	14.88%	18	15	3	0	0	0
Winterpock Elementary	10/28/2021	800	123	15.38%	38	34	2	2	0	0
Woolridge Elementary	10/5/2021	486	92	18.93%	24	17	4	2	1	0
Total		30,818	9,938		821	485	73	159	71	33
Average Refer Rate						32.25%			12.67%	

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Classrooms where 40% or more of the students require follow up vision services are considered excessively high; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

*some schools, especially secondary schools, do not record or manage their screening results by classroom.

Colonial Heights City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Colonial Heights High	10/15/2021	92	33	35.90%						
Colonial Heights Middle*	10/19/2021	308	134	43.51%	0	0	0	0	0	0
Lakeview Elementary	10/7/2021	277	84	30.32%	14	5	1	4	3	1
North Elementary Col Hgts	10/26/2021	94	27	28.72%	6	2	2	1	0	1
Tussing Elementary	10/8/2021	348	79	22.70%	19	12	2	4	1	0
Total		1,119	357		39	19	5	9	4	2
Average Refer Rate				31.90%						

The national average for vision problems in school aged children is 25%.

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Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

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Covington City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
COVINGTON HIGH*	12/14/2021	165	97	58.79%	0	0	0	0	0	0
EDGEMONT PRIMARY	12/6/2021	175	28	16.00%	13	11	0	2	0	0
JETER-WATSON INTERMEDIATE	12/6/2021	131	34	25.95%	7	3	1	1	0	2
Total		471	159		20	14	1	3	0	2
Average Refer Rate				33.76%						

The national average for vision problems in school aged children is 25%.

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Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

* some schools, especially secondary schools, do not record or manage their screening results by classroom.

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Craig County High*	8/26/2021	64	24	37.50%	0	0	0	0	0	0
McCleary Elementary	8/26/2021	81	20	24.69%	4	2	1	1	0	0
Total		145	44		4	2	1	1	0	0
Average Refer Rate				30.34%					0.00%	

The national average for vision problems in school aged children is 25%.

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Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

some schools, especially secondary schools, do not record or manage their screening results by classroom.

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Cumberland Elementary	8/23/2021	285	69	24.21%	15	8	1	3	1	2
Cumberland High	8/18/2021	165	74	44.85%	0	0	0	0	0	0
Cumberland Middle	8/18/2021	156	58	37.18%	0	0	0	0	0	0
Total		606	201		15	8	1	3	1	2
Average Refer Rate				33.17%					20.00%	

The national average for vision problems in school aged children is 25%.

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Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

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some schools, especially secondary schools, do not record or manage their screening results by classroom.

Danville City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
E. A. Gibson Elementary*	2/14/2022	118	42	35.59%	0	0	0	0	0	0
Forest Hills Elementary	2/14/2022	77	32	41.56%	6	1	0	0	3	2
G. L. H. Johnson Elementary	2/17/2022	115	43	37.39%	8	3	0	0	1	4
Galileo Magent High*	2/14/2022	52	21	40.38%	0	0	0	0	0	0
George Washington High High	9/23/2021	84	32	38.10%	5	1	0	2	1	1
Grove Park Pre-School	9/23/2021	84	30	35.71%	5	1	2	1	0	1
Langston Focus School*	2/14/2022	11	8	72.73%	0	0	0	0	0	0
O. Trent Bonner Middle*	2/16/2022	179	73	40.78%	0	0	0	0	0	0
Park Avenue Elementary	2/15/2022	99	42	42.42%	6	0	1	1	3	1
Schoolfield Elementary	2/15/2022	131	60	45.80%	9	1	0	2	2	4
The Northside Pre-School	9/23/2021	113	39	34.51%	8	2	1	2	3	0
Westwood Middle*	2/16/2022	147	67	45.58%	0	0	0	0	0	0
Woodberry Hills Elementary	2/17/2022	99	43	43.43%	7	1	1	1	0	4
Total		1,393	564		59	11	5	11	14	18
Average Refer Rate						40.49%			54.24%	

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Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

some schools, especially secondary schools, do not record or manage their screening results by classroom.

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Clintwood Elementary	8/25/2021	151	31	20.53%	9	7	0	1	1	0
Ervington Elementary	8/25/2021	56	16	28.57%	4	1	2	1	0	0
Ridgeview High School	8/24/2021	119	46	38.66%	8	2	0	2	2	2
Ridgeview Middle School	8/24/2021	111	48	43.24%	8	0	0	2	4	2
Sandlick Elementary	8/25/2021	70	9	12.86%	5	5	0	0	0	0
Total		507	150		34	15	2	6	7	4
Average Refer Rate						29.59%			32.35%	

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School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Dinwiddie Elementary	10/5/2021	203	53	26.11%	12	7	3	0	2	0
Dinwiddie Middle*	10/18/2021	552	227	41.12%	0	0	0	0	0	0
Dinwiddie Senior High*	10/27/2021	423	237	56.03%	0	0	0	0	0	0
Midway Elementary	11/16/2021	215	45	20.93%	12	10	0	2	0	0
Southside Elementary Dinwiddie	10/11/2021	266	65	24.44%	16	8	4	3	1	0
Sunnyside Elementary	10/14/2021	156	40	25.64%	9	6	1	0	2	0
Sutherland Elementary	10/22/2021	330	108	32.73%	17	4	4	7	2	0
Total		2,145	775		66	35	12	12	7	0
Average Refer Rate						36.13%			10.61%	

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Fredericksburg City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Hugh Mercer Elementary	11/12/2021	245	75	30.61%	15	6	1	6	1	1
James Monroe High*	10/8/2021	166	76	45.78%	0	0	0	0	0	0
Lafayette Upper Elementary	11/15/2021	129	42	32.56%	7	2	1	3	1	0
Walker-Grant Middle*	9/24/2021	182	70	38.46%	0	0	0	0	0	0
Total		722	263		22	8	2	9	2	1
Average Refer Rate				36.43%					13.64%	

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some schools, especially secondary schools, do not record or manage their screening results by classroom.

Giles County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Eastern Combined	9/28/2021	224	41	18.30%	15	12	1	1	1	0
Giles High*	9/29/2021	320	145	45.31%	0	0	0	0	0	0
Macy McClaugherty Combined	9/28/2021	241	49	20.33%	17	15	0	0	0	2
Narrows Elementary/Middle	9/27/2021	268	71	26.49%	17	8	2	5	1	1
Narrows High*	9/27/2021	107	48	44.86%	0	0	0	0	0	0
Total		1,160	354		49	35	3	6	2	3
Average Refer Rate				30.52%					10.20%	

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Halifax County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Clays Mill Elementary	9/29/2021	53	16	30.19%	4	2	0	1	1	0
Cluster Springs Elementary	9/28/2021	160	37	23.13%	8	5	1	1	0	1
Halifax County High*	9/27/2021	260	120	46.15%	0	0	0	0	0	0
Halifax County Middle*	10/1/2021	231	92	39.83%	0	0	0	0	0	0
Meadville Elementary	9/29/2021	64	22	34.38%	4	1	0	3	0	0
Scottsburg Elementary	9/29/2021	68	17	25.00%	4	3	0	1	0	0
Sinai Elementary	9/28/2021	58	19	32.76%	5	1	1	0	1	2
South Boston Elementary	9/30/2021	185	49	26.49%	11	4	3	3	1	0
South Boston/Halifax Early Learning Center	9/30/2021	64	25	39.06%	4	1	0	1	1	1
Sydnor Jennings Elementary	9/29/2021	66	15	22.73%	4	3	0	1	0	0
Total		1,209	412		44	20	5	11	4	4
Average Refer Rate				34.08%					18.18%	

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Hampton City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
A.W.E. Bassette Elementary	11/9/2021	122	45	36.89%	8	3	0	2	1	2
Aberdeen Elementary	10/26/2021	144	62	43.06%	9	0	0	3	4	2
Albert W. Patrick III Elementary	11/15/2021	89	22	24.72%	6	4	1	1	0	0
Alfred S. Forrest Elementary	11/4/2021	161	58	36.02%	9	2	0	4	2	1
Ann H. Kilgore Gifted Center	11/16/2021	225	90	40.00%	13	3	2	1	1	6
Armstrong Elementary	10/22/2021	80	16	20.00%	4	4	0	0	0	0
Barron Elementary	11/15/2021	102	17	16.67%	6	5	1	0	0	0
Benjamin Syms Middle*	12/15/2021	133	66	49.62%	0	0	0	0	0	0
Bethel High*	12/1/2021	283	148	52.30%	0	0	0	0	0	0
C. Alton Lindsay Middle*	11/30/2021	140	62	44.29%	0	0	0	0	0	0
Captain John Smith Elementary	11/16/2021	98	45	45.92%	6	1	0	0	1	4
Christopher C. Kraft Elementary	11/4/2021	111	41	36.94%	7	0	1	2	4	0
Francis Asbury Elementary	11/8/2021	122	34	27.87%	8	4	1	1	2	0
Francis W. Jones Magnet Middle*	12/15/2021	196	84	42.86%	0	0	0	0	0	0
George P. Phenix Elementary	10/21/2021	364	141	38.74%	18	1	3	5	7	2
Hampton High*	2/23/2022	216	121	56.02%	0	0	0	0	0	0
Hunter B. Andrews	10/22/2021	259	108	41.70%	16	3	0	3	5	5
Jane H. Bryan Elementary	10/15/2021	110	47	42.73%	7	0	0	3	1	3
Kecoughtan High*	3/9/2022	241	130	53.94%	0	0	0	0	0	0
Luther W. Machen Elementary	11/3/2021	147	54	36.73%	9	2	1	2	3	1
Mary S. Peake Elementary	10/26/2021	123	46	37.40%	8	1	1	2	2	2
Mary T. Christian Elementary	11/9/2021	72	29	40.28%	5	0	1	2	0	2
Mary W. Jackson Fundamental School	11/4/2021	80	18	22.50%	4	3	1	0	0	0
Moton Early Childhood Center*	10/15/2021	195	83	42.56%	0	0	0	0	0	0
Paul Burbank Elementary	11/3/2021	114	39	34.21%	7	2	1	2	1	1
Phillips Elementary	11/15/2021	105	21	20.00%	6	4	1	0	1	0
Phoebus High*	12/13/2021	259	138	53.28%	0	0	0	0	0	0
Samuel P. Langley Elementary	11/8/2021	129	35	27.13%	8	1	4	3	0	0
Tarrant Middle School*	11/29/2021	191	84	43.98%	0	0	0	0	0	0
Thomas Eaton Middle	11/17/2021	157	74	47.13%	12	2	0	4	1	5
William Mason Cooper Elementary	11/3/2021	129	46	35.66%	6	1	1	2	1	1
Total		4,897	2,004		182	46	20	42	37	37
Average Refer Rate						40.92%			40.66%	

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Classrooms where 40% or more of the students require follow up vision services are considered excessively high; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

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Henry County Public Schools
2021-2022 Vision Screening Results

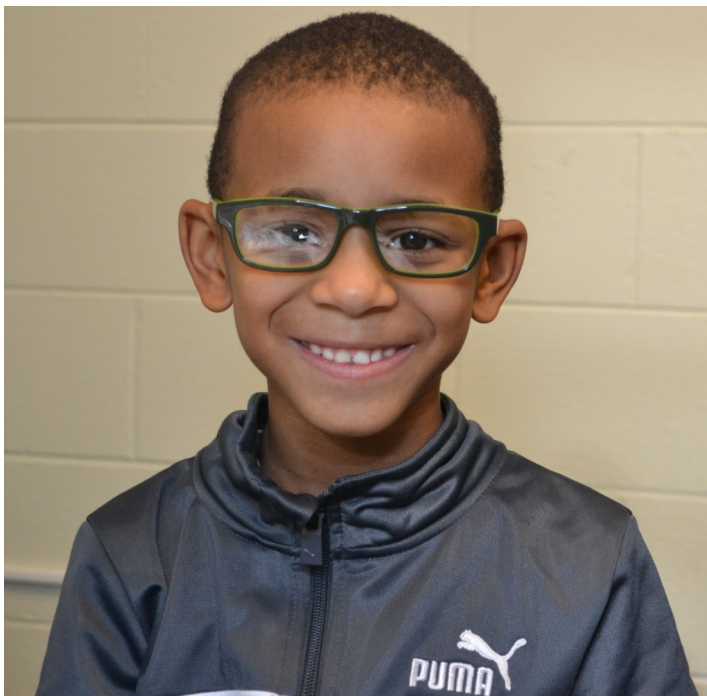| School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Axton Elementary	9/17/2021	95	22	23.16%	6	4	1	0	1	0
Bassett High*	9/15/2021	175	82	46.86%	0	0	0	0	0	0
Campbell Court Elementary	9/14/2021	71	22	30.99%	5	2	0	1	1	1
Drewry Mason Elementary	9/14/2021	128	33	25.78%	7	4	1	1	1	0
Fieldale-Collinsville Middle*	9/17/2021	243	119	48.97%	0	0	0	0	0	0
G.W. Carver Elementary	9/16/2021	127	40	31.50%	7	2	0	4	1	0
Laurel Park Middle*	9/16/2021	234	79	33.76%	0	0	0	0	0	0
Magna Vista High*	9/17/2021	196	83	42.35%	0	0	0	0	0	0
Meadow View Elementary	9/13/2021	170	65	38.24%	9	1	1	4	2	1
Mount Olivet Elementary	9/17/2021	63	18	28.57%	4	1	0	3	0	0
Rich Acres Elementary	9/14/2021	74	29	39.19%	4	0	0	2	1	1
Sanville Elementary	9/14/2021	57	13	22.81%	4	1	1	2	0	0
Stanleytown Elementary	9/16/2021	72	25	34.72%	4	2	0	0	1	1
Total		1,705	630		50	17	4	17	8	4
Average Refer Rate				36.95%					24.00%	

The national average for vision problems in school aged children is 25%.

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Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

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Hopewell City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Carter G. Woodson Middle*	8/19/2021	276	112	40.58%	0	0	0	0	0	0
Dupont Elementary	8/25/2021	288	99	34.38%	23	6	3	8	3	3
Harry E. James Elementary	8/26/2021	217	93	42.86%	17	6	0	4	2	5
Hopewell High*	8/17/2021	336	162	48.21%	0	0	0	0	0	0
Patrick Copeland Elementary	8/27/2021	264	91	34.47%	17	4	2	3	5	3
Total		1,381	557		57	16	5	15	10	11
Average Refer Rate				40.33%					36.84%	

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Lee County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Dryden Elementary	9/1/2021	133	41	30.83%	10	2	6	0	0	2
Elk Knob Elementary	8/31/2021	182	49	26.92%	11	5	2	4	0	0
Elydale School*	8/26/2021	37	11	29.73%	0	0	0	0	0	0
Flatwoods Elementary	8/26/2021	178	32	17.98%	12	12	0	0	0	0
Jonesville Middle*	8/27/2021	48	20	41.67%	0	0	0	0	0	0
Lee High*	8/31/2021	255	141	55.29%	0	0	0	0	0	0
Pennington Middle*	9/1/2021	94	49	52.13%	0	0	0	0	0	0
Rose Hill Elementary	8/25/2021	137	26	18.98%	9	7	1	1	0	0
St. Charles Elementary	8/27/2021	57	19	33.33%	5	1	1	2	1	0
Thomas Walker High*	8/25/2021	75	27	36.00%	0	0	0	0	0	0
Total		1,196	415		47	27	10	7	1	2
Average Refer Rate				34.70%					6.38%	

The national average for vision problems in school aged children is 25%.

Classrooms, schools, or divisions reporting 25% or less of their students with potential vision problems fall within the national average. Almost all school divisions will contain segments of their population with higher than average vision problems.

Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

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some schools, especially secondary schools, do not record or manage their screening results by classroom.

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Bedford Hills Elementary	10/22/2021	102	24	23.53%	8	5	1	2	0	0
Dearington Elementary/Innovation*	11/3/2021	43	11	25.58%	0	0	0	0	0	0
E.C. Glass High	10/18/2021	322	121	37.58%	0	0	0	0	0	0
Heritage Elementary	10/25/2021	229	63	27.51%	15	7	3	4	0	1
Heritage High*	11/18/2021	199	100	50.25%	0	0	0	0	0	0
Linkhorne Elementary	11/1/2021	234	80	34.19%	14	5	2	3	3	1
Linkhorne Middle*	10/26/2021	195	85	43.59%	0	0	0	0	0	0
Paul Laurence Dunbar Middle for Innovation*	10/27/2021	322	109	33.85%	0	0	0	0	0	0
Paul Munro Elementary	11/1/2021	173	45	26.01%	11	6	1	2	2	0
Perrymont Elementary	10/28/2021	188	78	41.49%	13	1	1	3	4	4
Robert S. Payne Elementary	11/5/2021	186	66	35.48%	15	4	0	3	6	2
Sandusky Elementary	11/3/2021	180	50	27.78%	12	6	1	3	1	1
Sandusky Middle*	10/29/2021	266	103	38.72%	0	0	0	0	0	0
Sheffield Elementary	11/1/2021	211	62	29.38%	14	5	1	4	4	0
T.C. Miller Elementary for Innovation	11/4/2021	113	36	31.86%	8	3	2	0	1	2
William M. Bass Elementary	11/4/2021	99	35	35.35%	8	2	0	3	1	2
Total		3,062	1,068		118	44	12	27	22	13
Average Refer Rate				34.88%					29.66%	

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Manassas Park City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Cougar Elementary	11/18/2021	297	112	37.71%	11	2	1	6	2	0
Manassas Park Elementary	11/16/2021	93	24	25.81%	5	3	0	1	1	0
Manassas Park Middle	12/7/2021	251	116	46.22%	0	0	0	0	0	0
Total		641	252		16	5	1	7	3	0
Average Refer Rate						39.31%			18.75%	

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Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

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* some schools, especially secondary schools, do not record or manage their screening results by classroom.

Norfolk City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Academy for Discovery at Lakewood	10/20/2021	358	137	38.27%	19	4	2	5	2	6
Academy of International Studies at Rosemont	11/5/2021	179	92	51.40%	11	0	0	2	2	7
Azalea Gardens Middle	11/29/2021	411	182	44.28%	0	0	0	0	0	0
Bay View Elementary	11/12/2021	324	103	31.79%	16	7	1	4	1	3
Berkley/Campostella Early Childhood Education Center	2/25/2022	148	56	37.84%	10	4	0	1	1	4
Blair Middle*	3/2/2022	575	335	58.26%	0	0	0	0	0	0
Booker T Washington High*	2/14/2022	167	92	55.09%	0	0	0	0	0	0
Camp Allen Elementary	10/26/2021	262	103	39.31%	13	2	3	1	3	4
Chesterfield Academy Elementary	9/22/2021	121	58	47.93%	6	1	0	0	1	4
Coleman Place Elementary	10/5/2021	344	161	46.80%	20	0	0	7	7	6
Crossroads School	11/3/2021	459	173	37.69%	23	4	1	11	4	3
Easton Preschool *	9/20/2021	41	19	46.34%	0	0	0	0	0	0
Ghent K-8	10/13/2021	293	83	28.33%	16	7	1	5	3	0
Granby Elementary	10/15/2021	315	77	24.44%	16	7	4	4	1	0
Granby High*	2/7/2022	296	156	52.70%	0	0	0	0	0	0
Ingleside Elementary	10/7/2021	304	128	42.11%	14	2	1	4	2	5
Jacox Elementary	9/27/2021	304	135	44.41%	20	4	2	3	4	7
James Monroe Elementary	10/19/2021	155	73	47.10%	9	0	0	4	2	3
Lake Taylor High*	1/4/2022	175	106	60.57%	0	0	0	0	0	0

Norfolk City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Lake Taylor School	11/17/2021	352	127	36.08%	20	5	3	7	1	4
Larchmont Elementary	10/18/2021	266	52	19.55%	14	11	1	1	1	0
Larrymore Elementary	10/29/2021	342	105	30.70%	15	5	2	5	3	0
Lindenwood Elementary	10/12/2021	182	77	42.31%	10	2	0	3	3	2
Little Creek Elementary	11/8/2021	391	122	31.20%	19	7	2	6	2	2
Mary Calcott Elementary School	11/1/2021	266	90	33.83%	13	4	0	3	4	2
Matthew Fontaine Maury High*	2/28/2022	254	134	52.76%	0	0	0	0	0	0
Northside Middle*	12/6/2021	408	150	36.76%	0	0	0	0	0	0
Norview Elementary	11/16/2021	258	75	29.07%	13	8	1	2	1	1
Norview High*	2/22/2022	416	152	36.54%	0	0	0	0	0	0
Norview Middle*	3/7/2022	509	279	54.81%	0	0	0	0	0	0
Ocean View Elementary	12/16/2021	282	84	29.79%	17	6	1	6	3	1
Oceanair Elementary	11/22/2021	267	97	36.33%	16	5	1	4	3	3
P.B. Young Sr. Elementary	9/30/2021	186	88	47.31%	11	0	1	1	6	3
Richard Bowling Elementary	10/4/2021	238	111	46.64%	12	1	0	3	2	6
Sewells Point Elementary	10/27/2021	340	114	33.53%	16	5	1	6	3	1
Sherwood Forest Elementary	10/11/2021	266	106	39.85%	14	3	0	4	2	5
Southside STEM Academy at Campostella	9/21/2021	284	128	45.07%	19	2	2	2	3	10
St. Helena Elementary	9/24/2021	130	60	46.15%	8	1	0	0	2	5
Suburban Park Elementary	10/25/2021	274	112	40.88%	14	1	1	6	4	2
Tanners Creek Elementary	11/19/2021	344	128	37.21%	15	1	2	4	6	2
Tarrallton Elementary	11/10/2021	210	43	20.48%	10	6	2	2	0	0
Tidewater Park Elementary	9/29/2021	115	42	36.52%	9	3	1	1	1	3
Walter Herron Taylor Elementary	10/14/2021	210	51	24.29%	11	6	0	3	2	0
Willard Model Elementary	10/22/2021	287	116	40.42%	14	1	1	4	4	4
William H. Ruffner Middle	12/13/2021	255	90	35.29%	12	1	2	6	2	1
Willoughby Early Childhood Center	9/16/2021	96	33	34.40%	8	4	1	1	1	1
Total		12,659	5,035		503	130	40	131	92	110
Average Refer Rate						39.77%			40.16%	

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
J. I. Burton High*	9/2/2021	151	89	58.94%	0	0	0	0	0	0
Norton Elementary	9/2/2021	249	73	29.32%	18	11	1	2	3	1
Total		400	162		18	11	1	2	3	1
Average Refer Rate				40.50%					22.22%	

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School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Blue Ridge Elementary	9/10/2021	95	28	29.47%	6	3	2	1	0	0
Hardin Reynolds Elementary	9/8/2021	41	14	34.15%	2	1	0	1	0	0
Meadows of Dan Elementary	9/10/2021	44	5	11.36%	0	0	0	0	0	0
Patrick County High	9/10/2021	145	65	44.83%	0	0	0	0	0	0
Patrick Springs Primary	9/9/2021	110	34	30.91%	4	2	1	1	0	0
Stuart Elementary	9/8/2021	145	46	31.72%	7	3	1	1	0	2
Woolwine Elementary	9/9/2021	59	11	18.64%	3	1	1	1	0	0
Total		639	203		22	10	5	5	0	2
Average Refer Rate				31.77%					9.09%	

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Petersburg City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Cool Spring Elementary School	10/5/2021	318	124	38.99%	19	5	0	5	4	5
Lakemont Elementary	10/25/2021	223	73	32.74%	14	5	1	4	2	2
Petersburg High*	3/4/2022	276	149	53.99%	0	0	0	0	0	0
Pleasants Lane Elementary	11/1/2021	294	121	41.16%	19	2	2	4	3	8
Vernon Johns Middle*	11/16/2021	487	238	48.87%	0	0	0	0	0	0
Walnut Hill Elementary	11/17/2021	296	122	41.22%	18	4	1	5	0	8
Westview Early Childhood Education Center	10/4/2021	298	133	44.63%	17	2	1	3	4	7
Total		2,192	960		87	18	5	21	13	30
Average Refer Rate				43.80%					49.43%	

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Pittsylvania County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Brosville Elementary	9/13/2021	16	6	37.50%	2	0	0	2	0	0
Chatham Elementary	9/21/2021	27	3	11.11%	2	2	0	0	0	0
Gretna Elementary	9/21/2021	64	13	20.31%	4	3	0	1	0	0
John L. Hurt Elementary	9/21/2021	41	4	9.76%	3	3	0	0	0	0
Kentuck Elementary	9/14/2021	64	19	29.69%	4	2	0	2	0	0
Mount Airy Elementary	9/21/2021	12	3	25.00%	1	1	0	0	0	0
Southside Elementary	9/14/2021	44	15	34.09%	4	2	0	1	0	1
Stony Mill Elementary	9/13/2021	78	11	14.10%	4	4	0	0	0	0
Twin Springs Elementary	9/13/2021	76	18	23.68%	6	4	0	0	2	0
Union Hall Elementary	9/14/2021	24	6	25.00%	2	1	1	0	0	0
Total		446	98		32	22	1	6	2	1
Average Refer Rate						21.97%			9.38%	

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Conexus
FOR CHILDREN'S VISION

Portsmouth City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Brighton Elementary	2/1/2022	75	28	37.33%	6	1	1	0	2	2
Churchland Academy Elementary	12/1/2021	125	46	36.80%	10	4	0	1	1	4
Churchland Elementary	1/11/2022	160	38	23.75%	11	7	1	2	1	0
Churchland High*	1/13/2022	213	112	52.58%	0	0	0	0	0	0
Churchland Middle*	1/5/2022	307	124	40.39%	0	0	0	0	0	0
Churchland Primary & Intermediate	12/1/2021	127	42	33.07%	7	2	1	2	1	1
Cradock Elementary	1/25/2022	152	56	36.84%	8	2	0	3	1	2
Cradock Middle*	2/2/2022	195	81	41.54%	0	0	0	0	0	0
Douglass Park Elementary	12/14/2021	160	51	31.88%	9	2	4	2	0	1
Hodges Manor Elementary	2/1/2022	127	43	33.86%	7	1	1	4	1	0
I.C. Norcom High*	1/12/2022	133	55	41.35%	0	0	0	0	0	0
Lakeview Elementary PCPS	12/2/2021	107	42	39.25%	5	2	0	0	3	0
Manor High School*	2/9/2022	196	92	46.94%	0	0	0	0	0	0
Park View Elementary	12/14/2021	138	44	31.88%	7	1	2	1	2	1
Victory Elementary	12/2/2021	143	36	25.17%	8	4	2	1	1	0
Westhaven Elementary	1/11/2022	100	30	30.00%	7	2	1	4	0	0
Total		2,458	920		85	28	13	20	13	11
Average Refer Rate					37.43%				28.24%	

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Conexus
FOR CHILDREN'S VISION

Richmond City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Albert Hill Middle*	1/18/2022	163	63	38.65%	0	0	0	0	0	0
Amelia Street Special Education*	2/18/2022	15	10	66.67%	0	0	0	0	0	0
Armstrong High*	1/27/2022	168	92	54.76%	0	0	0	0	0	0
Barack Obama Elementary	1/26/2022	166	63	37.95%	13	2	3	5	1	2
Bellevue Elementary RPS	3/14/2022	92	30	32.61%	6	3	0	0	2	1
Binford Middle*	2/16/2022	242	111	45.87%	0	0	0	0	0	0
Blackwell Elementary	2/17/2022	207	86	41.55%	16	2	3	4	3	4
Broad Rock Elementary	3/1/2022	414	174	42.03%	23	2	3	5	6	7

Richmond City Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Cardinal Elementary	2/24/2022	604	241	39.90%	29	4	3	9	4	9
Chimborazo Elementary RPS	1/12/2022	230	79	34.35%	17	6	1	2	7	1
Elizabeth D. Redd Elementary	2/15/2022	230	82	35.65%	15	3	0	7	3	2
Fairfield Court Elementary	3/3/2022	171	75	43.86%	10	2	0	2	2	4
Franklin Military Academy	12/15/2021	159	67	42.14%	14	3	1	3	3	4
G.H. Reid Elementary	3/7/2022	426	156	36.62%	23	5	4	6	4	4
George W. Carver Elementary	1/14/2022	175	79	45.14%	13	2	1	2	2	6
George Wythe High*	2/22/2022	278	146	52.52%	0	0	0	0	0	0
Ginter Park Elementary	3/16/2022	197	94	47.72%	12	1	0	2	4	5
Henderson Middle*	2/14/2022	168	73	43.45%	0	0	0	0	0	0
Henry L Marsh III Elementary	1/10/2022	263	80	30.42%	19	8	2	3	4	2
Huguenot High*	2/3/2022	367	148	40.33%	0	0	0	0	0	0
J.B. Fisher Elementary	3/22/2022	153	62	40.52%	10	1	1	3	4	1
J.L. Francis Elementary	3/9/2022	328	131	39.94%	20	4	0	6	7	3
John B. Cary Elementary	3/15/2022	135	47	34.81%	10	2	2	2	3	1
John Marshall High	2/1/2022	171	90	52.63%	0	0	0	0	0	0
Linwood Holton Elementary	3/23/2022	288	67	23.26%	18	13	1	3	1	0
Lucille M. Brown Middle*	1/24/2022	315	146	46.35%	0	0	0	0	0	0
Martin Luther King Jr. Middle*	12/16/2021	209	103	49.28%	0	0	0	0	0	0
Mary Munford Elementary	3/25/2022	262	34	12.98%	14	14	0	0	0	0
Miles Jones Elementary RPS	3/10/2022	339	126	37.17%	18	2	1	7	6	2
Oak Grove/Bellemeade Elementary	2/10/2022	332	133	40.06%	20	3	2	4	9	2
Open High*	2/18/2022	80	39	48.75%	0	0	0	0	0	0
Overby-Sheppard Elementary	3/17/2022	141	62	43.97%	10	0	0	3	4	3
Patrick Henry School Of Science & Arts*	3/28/2022	200	39	19.50%	13	10	1	2	0	0
Richmond Alternative*	1/26/2022	40	18	45.00%	0	0	0	0	0	0
Richmond Community High*	2/18/2022	83	37	44.58%	0	0	0	0	0	0
River City Middle*	1/6/2022	756	372	49.21%	0	0	0	0	0	0
Southampton Elementary	2/7/2022	224	76	33.93%	15	5	0	5	3	2
Swansboro Elementary	1/13/2022	83	33	39.76%	8	2	0	2	0	4
Thomas C. Boushall Middle*	12/9/2021	249	131	52.61%	0	0	0	0	0	0
Thomas Jefferson High*	2/8/2022	280	144	51.43%	0	0	0	0	0	0
Westover Hills Elementary	3/21/2022	246	73	29.67%	15	3	5	6	1	0
William Fox Elementary	4/12/2022	221	54	24.40%	15	9	3	2	1	0
Woodville Elementary	2/28/2022	144	79	54.86%	14	0	1	0	4	9
Total		10,014	4,045		410	111	38	95	88	78
Average Refer Rate						40.39%			40.49%	

The national average for vision problems in school aged children is 25%.

Classrooms, schools, or divisions reporting 25% or less of their students with potential vision problems fall within the national average. Almost all school divisions will contain segments of their population with higher than average vision problems.

Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

some schools, especially secondary schools, do not record or manage their screening results by classroom.

Russell County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Belfast Elk Garden Elementary	10/15/2021	50	6	12.00%	2	2	0	0	0	0
Castlewood Elementary	10/12/2021	80	24	30.00%	6	3	1	0	0	2
Castlewood High*	10/12/2021	46	19	41.30%	0	0	0	0	0	0
Copper Creek Elementary	10/12/2021	70	12	17.14%	3	2	0	1	0	0
Honaker Elementary	10/13/2021	225	61	27.11%	12	7	0	1	1	3
Honaker High*	10/13/2021	59	21	35.59%	0	0	0	0	0	0
Lebanon Elementary	10/14/2021	87	21	24.14%	6	4	0	1	1	0
Lebanon High*	10/14/2021	97	48	49.48%	0	0	0	0	0	0
Lebanon Middle	10/14/2021	98	33	33.67%	4	2	1	0	0	1
Lebanon Primary	10/15/2021	122	16	13.11%	8	7	1	0	0	0
Swords Creek Elementary	10/15/2021	52	12	23.08%	4	3	0	0	1	0
Total		**986**	**273**		**45**	**30**	**3**	**3**	**3**	**6**
Average Refer Rate						**27.69%**			**20.00%**	

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Classrooms, schools, or divisions reporting 25% or less of their students with potential vision problems fall within the national average. Almost all school divisions will contain segments of their population with higher than average vision problems.

Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

some schools, especially secondary schools, do not record or manage their screening results by classroom.

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Capron Elementary	12/10/2021	98	29	29.59%	8	4	0	2	1	1
Meherrin Elementary	12/10/2021	122	39	31.97%	10	4	1	2	2	1
Nottoway Elementary	12/8/2021	134	29	21.64%	10	8	0	2	0	0
Riverdale Elementary	12/3/2021	281	71	25.27%	17	12	1	2	2	0
Southampton High*	12/15/2021	248	135	54.44%	0	0	0	0	0	0
Southampton Middle*	12/13/2021	364	178	48.90%	0	0	0	0	0	0
Total		1,247	481		45	28	2	8	5	2
Average Refer Rate						38.57%			15.56%	

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Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

some schools, especially secondary schools, do not record or manage their screening results by classroom.

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Arthur R. Ware Elementary	9/8/2021	72	11	15.28%	4	4	0	0	0	0
Bessie Weller Elementary	9/8/2021	105	28	26.67%	8	4	2	0	1	1
Genesis Program at Dixon School	9/9/2021	53	12	22.64%	4	3	0	0	0	1
Shelburne Middle	9/8/2021	168	53	31.55%	8	1	3	2	2	0
Staunton High School*	9/9/2021	154	55	35.71%	0	0	0	0	0	0
Thomas C. McSwain Elementary	9/9/2021	130	48	36.92%	8	2	1	1	2	2
Total		682	207		32	14	6	3	5	4
Average Refer Rate						30.35%			28.13%	

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Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

some schools, especially secondary schools, do not record or manage their screening results by classroom.

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Luther P. Jackson Middle*	1/14/2022	32	17	53.13%	0	0	0	0	0	0
Surry County High*	1/14/2022	46	18	39.13%	0	0	0	0	0	0
Surry Elementary	1/14/2022	54	16	29.63%	4	2	1	0	1	0
Total		132	51		4	2	1	0	1	0
Average Refer Rate					38.64%				25.00%	

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Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

some schools, especially secondary schools, do not record or manage their screening results by classroom.

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
Sussex Central Elementary	12/3/2021	218	69	31.65%	17	5	2	3	6	1
Sussex Central High*	12/3/2021	100	39	39.00%	0	0	0	0	0	0
Sussex Central Middle*	12/3/2021	121	48	39.67%	0	0	0	0	0	0
Total		439	156		17	5	2	3	6	1
Average Refer Rate					35.54%				41.18%	

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Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

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*some schools, especially secondary schools, do not record or manage their screening results by classroom.*

Warren County Public Schools
2021-2022 Vision Screening Results

School Name	Screening Date	Total Students Screened	Total Students Referred	Refer Rate	Total Classrooms Screened	Number of classrooms within each referral range				
						Average		High	Excessive	
						0-25%	26-29%	30-39%	40-49%	50% +
A.S. Rhodes Elementary	9/24/2021	75	20	26.67%	5	3	0	1	1	0
E. Wilson Morrison Elementary	9/22/2021	84	31	36.90%	4	3	0	0	1	0
Hilda J. Barbour Elementary	9/23/2021	117	28	23.93%	7	3	3	1	0	0
Leslie Fox Keyser Elementary	9/24/2021	143	33	23.08%	8	5	2	0	1	0
Ressie Jeffries Elementary	9/24/2021	155	28	18.06%	9	9	0	0	0	0
Skyline High*	9/20/2021	137	51	37.23%	0	0	0	0	0	0
Skyline Middle School*	9/22/2021	140	48	34.29%	0	0	0	0	0	0
Warren County High*	9/21/2021	134	48	35.82%	0	0	0	0	0	0
Warren County Middle School*	9/23/2021	196	69	35.20%	0	0	0	0	0	0
Total		1,181	356		33	23	5	2	3	0
Average Refer Rate						30.14%			9.09%	

The national average for vision problems in school aged children is 25%.

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Classrooms where **40% or more** of the students require follow up vision services are considered **excessively high**; this concentration of students with potential vision problems affects the classroom and/or school as a whole. The number of classrooms in each school in the division where 40% or more of the students require follow-up vision services are highlighted in orange.

Schools where more than 30% of the students require follow-up vision services are also highlighted in orange.

some schools, especially secondary schools, do not record or manage their screening results by classroom.

MOBILE VISION CLINIC

RESULTS

BY SCHOOL DIVISION

CONEXUS
FOR CHILDREN'S VISION

School Name	Screened	Referral rate	Referred	# Exams	% utilization	# Glasses	# Total Referrals off clinic	# Referred w/ Glasses	# referred w/o Glasses	Good Vision	External RX filled	Replacement Glasses
A.M. Davis Elementary	494	26.32%	111	114	102.7%	84	29	12	17	13	1	4
Bellwood Elementary	372	31.72%	118	119	100.8%	104	42	38	4	11	3	26
Bensley Elementary	406	31.03%	107	124	115.9%	89	43	16	27	8	8	6
Beulah Elementary	589	34.30%	202	198	98.0%	144	37	17	20	34	0	4
C.E. Curtis Elementary	427	25.53%	109	117	107.3%	82	47	16	31	4	3	0
Carver College and Career Academy	65	50.77%	33	24	72.7%	24	2	2	0	0	0	0
Crestwood Elementary	352	20.45%	72	70	97.2%	53	19	6	13	4	10	4
Ecoff Elementary	392	32.40%	127	154	121.3%	118	44	26	18	18	3	8
Elizabeth Scott Elementary	486	28.19%	137	130	94.9%	99	41	17	24	7	7	5
Ettrick Elementary	309	36.89%	114	108	94.7%	84	27	8	19	5	5	1
Falling Creek Elementary	421	34.92%	147	136	92.5%	110	29	21	8	18	2	2
Falling Creek Middle	881	51.60%	420	436	103.8%	327	48	19	29	80	0	2
Harrowgate Elementary	227	37.00%	84	77	91.7%	75	28	26	2	0	0	7
Hopkins Road Elementary	517	32.30%	167	150	89.8%	120	25	6	19	11	2	0
J.A. Chalkley Elementary	561	32.44%	182	178	97.8%	136	35	17	18	24	2	5
J.G. Hening Elementary	469	26.87%	126	115	91.3%	85	39	18	21	9	0	3
Jacobs Road Elementary	426	22.77%	97	95	97.9%	73	17	8	9	13	2	1
Lloyd C. Bird High	558	41.04%	229	253	110.5%	226	44	36	8	19	1	1
Manchester Middle	675	41.63%	281	268	95.4%	191	21	18	3	74	1	3
Marguerite F. Christian Elementary	334	39.52%	132	141	106.8%	95	42	8	34	12	0	1
Matoaca Elementary	319	21.32%	68	60	88.2%	51	17	14	3	6	2	6
Meadowbrook High	775	40.77%	316	303	95.9%	239	9	7	2	62	0	7
Providence Elementary	391	31.46%	123	106	86.2%	77	34	13	21	8	1	3
Reams Road Elementary	297	27.95%	83	83	100.0%	72	19	9	10	1	1	1
Salem Church Elementary	316	31.65%	100	95	95.0%	63	26	5	21	11	1	3
Salem Church Middle	554	44.58%	247	233	94.3%	189	18	11	7	37	0	0
Thelma Crenshaw Elementary	378	24.34%	92	92	100.0%	69	14	6	8	15	0	1
TOTALS	**11,991**	**33.32%**	**4,024**	**3,979**	**98%**	**3079**	**796**	**400**	**396**	**504**	**56**	**104**
Chester Early Learning Childhood Academy						*0*	*0*	*0*	*0*	*0*	*1*	*0*

- 33.32% refer rate for Title 1 schools
- 4,024 students referred to the services of the mobile vision clinic
- 3,979 exams provided
- 98% program utilization rate
- 77% of students receceived glasses
- 13% referred for vision conditions beyond the scope of the clinic
- 16% exam confirmed no need for RX
- 56 pairs of glasses issued from an existing prescription -- no cost to program user
- 104 pairs of replacement glasses issued -- no cost to program user
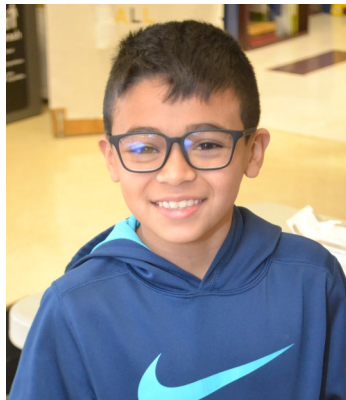
SAMPLE — Medicaid coverage in Chesterfield County Elementary School — Ettrick Elementary
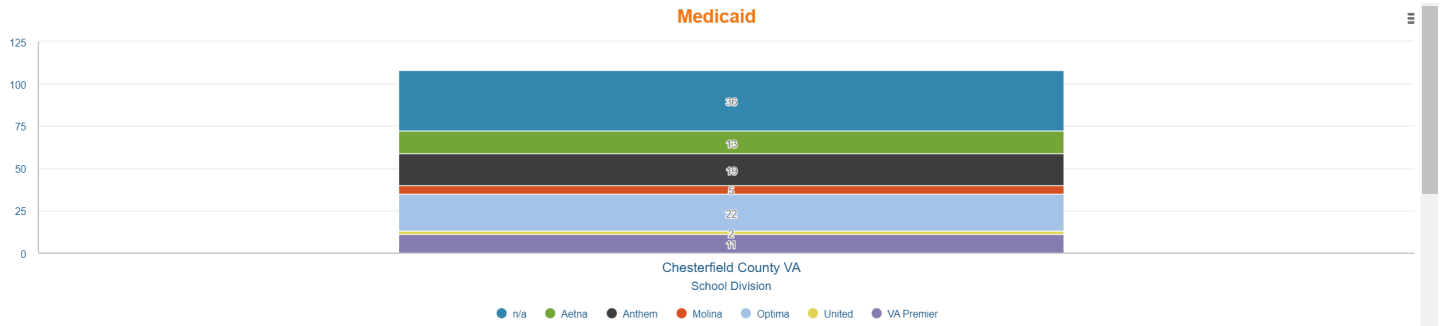
Medicaid

Chesterfield County VA
School Division

● n/a ● Aetna ● Anthem ● Molina ● Optima ● United ● VA Premier

Q Search Again ⬇ Download Data

	SchoolDivision ▲	School	Provider	First Name	Last Name	DOB	ExamDate	Medicaid ID	Notes	MedicaidYES	MedicaidChecked	ExamCount	
	Total									72	108	108	
	» **Chesterfield County VA**									72	108	108	
		» Ettrick Elementary								72	108	108	
			(blank)							0	36	36	
1				Quentin	▮	▮	10/25/2021	▮		0	1	1	✏ Edit
2				Camron	▮	▮	10/25/2021	▮		0	1	1	✏ Edit
3				Isaiah	▮	▮	10/25/2021	▮		0	1	1	✏ Edit
4				Daibren	▮	▮	10/25/2021	▮		0	1	1	✏ Edit
5				Lily	▮	▮	10/25/2021	▮		0	1	1	✏ Edit

108 exams at Ettrick Elementary

72students with verified Medicaid coverage on the date of service = 67%

Aetna — 13	$1,950.00
Anthem — 19	$2,850.00
Molina — 5	$ 750.00
Optima — 22	$3,300.00
United — 2	$ 300.00
Virginia Premier — 11	$1,650.00

Total Medicaid investment = $10,800.00

Total Philanthropic investment = $ 5,400.00

CONEXUS.
FOR CHILDREN'S VISION

School Name	# Screened	Referral Rate	# Referred	# Exams	% Utilization	# Glasses	# Total Referrals off clinic	# Referred w/ Glasses	# Referred w/o Glasses	Good Vision	External RX filled	Replacement Glasses issued
Cool Spring Elementary School	318	38.99%	124	119	95.97%	83	34	8	26	10	0	7
Lakemont Elementary	223	32.74%	73	64	87.67%	46	14	2	12	6	0	6
Petersburg High	276	53.99%	149	123	82.55%	112	15	9	6	5	0	2
Pleasants Lane Elementary	294	41.16%	121	118	97.52%	85	20	8	12	21	0	8
Vernon Johns Middle	528	48.11%	254	241	94.88%	201	32	14	18	22	0	3
Walnut Hill Elementary	296	41.22%	122	122	100.00%	94	32	14	18	10	0	12
	1935	43.57%	843	787	93.10%	621	147	55	92	74	0	38

- 43.57% refer rate for Petersburg City School
- 843 students referred to the services of the mobile vision clinic
- 787 exams provided
- 93.1% program utilization rate
- 79% of students received glasses
- 7% referred for vision conditions beyond the scope of the clinic
- 9.4% exam confirmed no need for RX
- 38 pairs of replacement glasses issued -- no cost to program user

SAMPLE — Medicaid coverage in Petersburg City Elementary School — Pleasants Lane Elementary

118 exams at Pleasants Lane Elementary

76 students with verified Medicaid coverage on the date of service = 64%

Total Medicaid investment = $11,400.00

Total Philanthropic investment = $ 6,300.00

|		
Aetna — 14		$2,100.00
Anthem — 26		$3,900.00
Molina — 5		$ 750.00
Optima — 14		$2,100.00
United — 6		$ 900.00
Virginia Premier — 11		$1,650.00

School Name	# Screened	Referral Rate	# Referred	# Exams	% Utilization*	# Glasses	# Total Referrals off clinic	# Referred w/ Glasses	# Referred w/o Glasses	Good Vision	External RX filled	Replacement Glasses issued
Albert Hill Middle	201	39.30%	79	19	24.05%	15	10	6	4	0	0	0
Barack Obama Elementary	166	37.95%	63	35	55.56%	32	0	0	0	3	0	4
Chimborazo Elementary RPS	230	34.35%	79	53	67.09%	43	10	5	5	5	0	0
Franklin Military Academy	172	43.60%	75	21	28.00%	21	2	2	0	0	0	0
George W. Carver Elementary	175	45.14%	79	46	58.23%	36	2	1	1	9	0	0
Henry L Marsh III Elementary	263	30.42%	80	25	31.25%	18	4	3	1	6	0	0
Lucille M. Brown Middle School	386	45.60%	176	65	36.93%	58	1	1	0	7	0	0
Martin Luther King Jr. Middle	267	50.94%	136	54	39.71%	41	16	8	8	5	0	1
River City Middle	756	49.21%	372	48	12.90%	44	7	5	2	2	0	0
Southampton Elementary	224	33.93%	76	31	40.79%	25	7	2	5	1	0	0
Swansboro Elementary	83	39.76%	33	23	69.70%	17	8	2	6	0	0	0
Thomas C. Boushall Middle	249	52.61%	131	73	55.73%	63	20	11	9	1	0	0
Totals	**3,172**	**43.47%**	**1,379**	**493**	**43.33%**	**413**	**87**	**46**	**41**	**39**	**0**	**5**

- 43.47% refer rate for Richmond City Schools receiving clinic
- 1,379 students referred to the services of the mobile vision clinic
- 493 exams provided
- 43.33% program utilization rate
- 83.8% of students received glasses
- 8.3% referred for vision conditions beyond the scope of the clinic
- 7.9% exam confirmed no need for RX
- 5 pairs of replacement glasses issued -- no cost to program user

* Richmond City Schools had a delayed start in accepting and approving the services of the mobile vision clinic in the 2021-2022 school year due to a delay in the procument process caused by a staff vacancy.

With the delay, the division was not able to announce the activies of the clinic in the back to school parent literature and therefore was not permitted to deliver the program as an "opt-out" model. Opt-out service delivery historically results in 95-98% program utilization making opt-out the preferred and recommended delivery model.
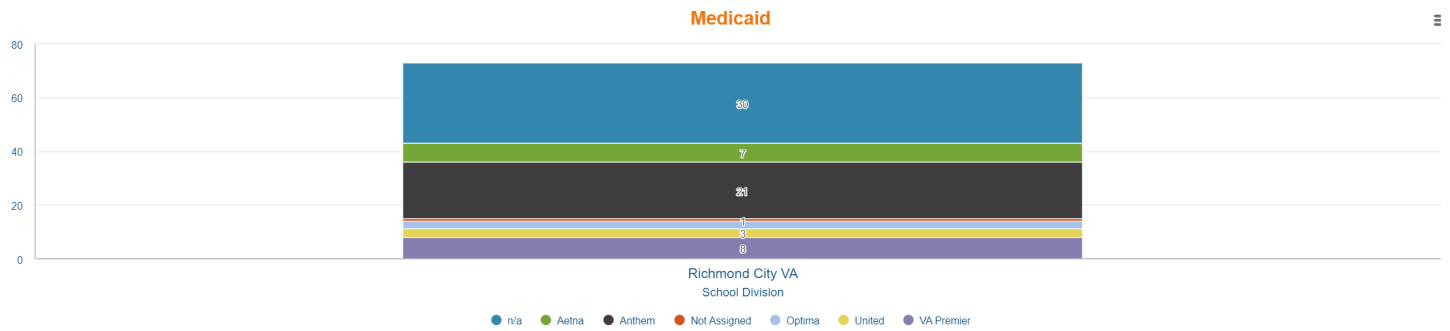
Medicaid

Richmond City VA
School Division

● n/a ● Aetna ● Anthem ● Not Assigned ● Optima ● United ● VA Premier

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	SchoolDivision ▲	School	Provider	First Name	Last Name	DOB	ExamDate	Medicaid ID	Notes	MedicaidYES	MedicaidChecked	ExamCount	
	Total									43	73	73	
	» Richmond City VA									43	73	73	
		» Thomas C. Boushall Middle								43	73	73	
		(blank)								0	30	30	
1				Jose			2/15/2022			0	1	1	✏ Edit
2				Maribella			2/15/2022			0	1	1	✏ Edit
3				Christopher			2/15/2022			0	1	1	✏ Edit
4				Jennifer			2/15/2022			0	1	1	✏ Edit
5				Hugo			2/15/2022			0	1	1	✏ Edit
6				Amy			2/15/2022			0	1	1	✏ Edit
7				Joel			2/15/2022			0	1	1	✏ Edit
8				Ailyn			2/15/2022			0	1	1	✏ Edit
9				Ke'nyah			2/15/2022			0	1	1	✏ Edit
10				Taniyah			2/15/2022			0	1	1	✏ Edit
11				Taraji			2/15/2022			0	1	1	✏ Edit

73 exams at Thomas C. Boushall Middle School • 43 students with verified Medicaid coverage on the date of service = 59%

Aetna — 7	$1,050.00	United — 3	$ 450.00	Total Medicaid investment = $6,450.00	
Anthem — 21	$3,150.00	Virginia Premier — 8	$1,200.00	Total Philanthropic investment = $4,500.00	
Molina — 0	$ 0.00	Medicaid (FFS) — 1	$ 150.00		
Optima — 3	$ 450.00				

School Name	# Screened	Referral Rate	# Referred	# Exams	% Utilization	# Glasses	# Total Referrals off clinic	# Referred w/ Glasses	# Referred w/o Glasses	Good Vision	External RX filled	Replacement Glasses issued
Cumberland Elementary	285	24.21%	69	82	118.84%	54	8	4	4	24	0	0
Cumberland High	165	44.85%	74	57	77.03%	38	2	2	0	19	0	0
Cumberland Middle	156	37.18%	58	45	77.59%	33	3	3	0	12	0	1
TOTAL	606	33.17%	201	184	91.15%	125	13	9	4	55	0	1

- 33.17% refer rate for Cumberland County Schools
- 201 students referred to the services of the mobile vision clinic
- 184 exams provided
- 91.15% program utilization rate
- 62% of students received glasses
- 2% referred for vision conditions beyond the scope of the clinic
- 30% exam confirmed no need for RX
- 1 pairs of replacement glasses issued -- no cost to program user

School Name	# Screened	Referral Rate	# Referred	# Exams	% Utilization	# Glasses	# Total Referrals off clinic	# Referred w/ Glasses	# Referred w/o Glasses	Good Vision	External RX filled	Replacement Glasses issued
Cristo Rey High School	186	45.16%	84	85	101.19%	72	7	7	0	13	0	6

- 46.16 % refer rate for Cristo Rey High School
- 84 students referred to the services of the mobile vision clinic
- 85 exams provided
- 101% program utilization rate
- 84.7% of students received glasses
- 0% referred for vision conditions beyond the scope of the clinic
- 15% exam confirmed no need for RX
- 6 pairs of replacement glasses issued -- no cost to program user

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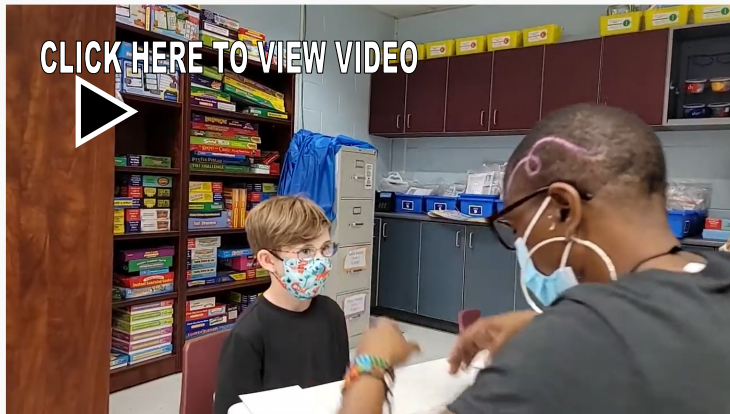
WRIC Highlights the Conexus Mobile Vision Clinic program at Cumberland Elementary

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NEWS

Conexus Vision helps Cristo Rey High School students see a brighter future

by: Matt DiNardo
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SAMPLE VISION SCREENING
PARENT REPORT

Conexus®
FOR HEALTHY VISION
■ **MOBILE** ■

Students who do not pass their vision screening may not be seeing as well as they should, and this could affect their school performance.

Your child recently received a vision screening at school through the Conexus VisioCheck program and did not pass the screening. The results of the screening are on the back of this page.

Your child will receive a **FREE eye exam and glasses (if needed)** at school during the school year.

Your child is not required to participate in this free program. If you **DO NOT** want your child to receive this free service, **CONTACT YOUR SCHOOL NURSE TODAY to opt-out**.

IMPORTANT: If your child is currently under the care of an eye doctor (within the last year) please check with that eye doctor before participating. Your child should bring or wear their glasses to the eye exam at school.

WHAT YOU NEED TO KNOW:

- Your child's screening results will be sent home after the screening.
- If you do not want your child to receive a free exam contact your school nurse.
- The exam will be given by a licensed eye doctor from Conexus at your child's school.
- The eye exam **does not** use eye drops to dilate the eyes.
- If your child needs glasses, they will pick their frames for their glasses at school on the day of the exam.
- Glasses will be returned to your child at school about 2-3 weeks after the eye exam.
- You will receive a copy of the doctor's report with your child's exam results following your child's exam.
- Conexus will give a copy of the exam results to the school nurse as part of your child's school health record.
- Conexus may bill your insurance if your child has visioninsurance. This service is free to you. You will not receive a bill even if your child doesn't have insurance or insurance will not pay.
- Conexus may take and use pictures and media from the clinic, which may or may not include your child's image, for program materials. No personal information about your child will be released. To opt out of photos only contact your school nurse.
- Parents or caregivers are not required to be at the exam but are welcome to attend.

IMPORTANT: If your child is currently under the care of an eye doctor (within the last year) please check with that eye doctor before participating. Your child should bring or wear their glasses to the eye exam at school.

If you have questions, contact programs@conexusvision.org.

Es posible que los estudiantes que no hayan pasado su examen de la vista actualmente no puedan ver tan claro como deberían y esto podría afectar su desempeño escolar.

Se le realizó a su hijo una prueba de detección de problemas de visión en la escuela a través del programa Conexus VisioCheck y los resultados de su hijo no fueron óptimos. Puede encontrar los resultados de la prueba en el reverso de esta página.

Su niño recibirá un **examen de seguimiento y lentes (de ser necesario) GRATIS** en la escuela durante el año escolar.

No es requerido que su niño participe en este programagratis. **SI NO** desea que su niño reciba este servicio gratis, **COMUNÍQUESE CON LA ENFEMERA ESCOLAR para notificarlo**.

IMPORTANTE: Si su niño ha estado en tratamiento con un oculista (durante el pasado año) favor de verificar con ese oftalmólogoantes de participar. Su niño deberá llevar sus lentes al examen de la vista dela escuela.

LO QUE NECESITAS SABER :

- Los resultados de su niño serán enviados a casa después de los exámenes.
- Si no desea que su niño reciba este examen gratis, comuníquese con la enfermera escolar.
- Un oculista licenciado de Conexus proveerá el examen en la escuela de su niño.
- El examen **no** usara gotas para dilatar los ojos.
- Si su niño necesita lentes, podrán escoger su marco al momento del examen.
- Los lentes serán fabricados y entregados en la escuela varias semanas después del examen.
- Usted recibirá copia del informe médico de su niño después del examen.
- Conexus compartirá los resultados del examen con la enfermera escolar como parte del registro de salud de su niño.
- No tendrá que pagar costo alguno. Si su niño tiene seguro de vista, Conexus podrá facturar su proveedor. NO será facturado aunque no tenga seguro médico o si el seguro no cubre el costo.
- Conexus podrá tomar y usar fotos y material publicitario de la clínica, que pueda o no incluir la imagen de su niño en materiales del programa. Información personal de su niño no será compartida. Para optar por no recibir fotos, póngase en contacto con la enfermera de su escuela.
- No es requerido que los padres o encargados estén presentes durante el examen pero están invitados a hacerlo.

IMPORTANTE: Si su niño ha estado en tratamiento con un oculista (durante el pasado año) favor de verificar con ese oftalmólogo antes de participar. Su niño deberá llevar sus lentes al examen de la vista de la escuela.

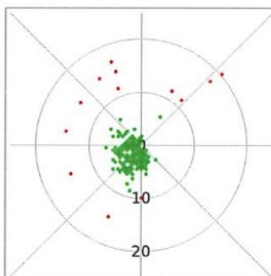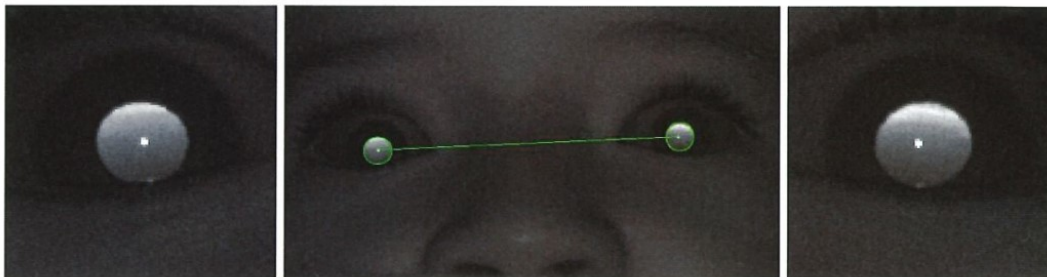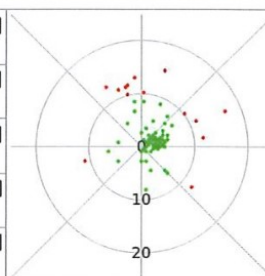*De tener alguna pregunta, favor de comunicarse a programs@conexusvision.org.*

plusoptix

Vision screening report

Date of measurement: 08/02/2021

Conexus FOR HEALTHY VISION · **VisioCheck**

	OD	OS

	Refraction	[dpt]
-0.75 -5.00 4°		+1.00 -7.00 178°
Spherical equivalent		[dpt]
-3.25		-2.25
Gaze asymmetry		[°]
	0.9	
Pupil diameter		[mm]
5.3		5.4
Pupil distance		[mm]
	62	

Screening result

Anisometropia	**Spherical equivalent ≥ 1.00 dpt**
Astigmatism (OD,OS)	**Cylinder ≥ 1.50 dpt**
Hyperopia	
Myopia (OD,OS)	**Spherical equivalent ≥ 0.75 dpt**
Gaze asymmetry	
Anisocoria	

ROC 5, Ver. 7.2.6.0

Refer

Vision screening does not replace a complete eye examination by an ophthalmologist or optometrist. Vision screening must be conducted regularly as eyes may change over time! Children with screening result "Refer" should be referred to an ophthalmologist or optometrist.

Learn more here

Aprenda más aquí:

ConexusVision.org
(804) 423-2020

FREE GRATIS

APPENDICES

Conexus (*formerly Prevent Blindness Virginia)* a private, non-profit 501 (c) 3 was established in 1957 as the local affiliate of Prevent Blindness America. In 2014, Conexus took on its new name as part of a separation from the national organization in order to make children's vision its sole focus with a mission to eliminate poor vision as a barrier to academic success.

For a decade leading up to the introduction of technology, Conexus worked with a network of over 1,800 school nurses to support state mandated vision screening efforts in 128 school divisions across the Commonwealth.

As technology became available, Conexus began a careful and controlled implementation and over the course of seven years, developed the propriety VisioCheck program to maximize the efficiencies and benefits of technology into a results oriented screening program.

Conexus was instrumental in working with product developers to advise on technological and software needs required for the successful integration of technology into mass vision screenings.

Conexus is now the preeminent provider of technology based comprehensive children's vision programming in Virginia, maintaining one of the largest data sources for children's vision assessments in the nation. Since program inception Conexus has delivered VisioCheck to over 335,000 students across the Commonwealth.

The impressive data generated through VisioCheck has allowed Conexus to call attention to the significant public health and education crisis of poor vision in the classroom. In addition to pointing toward the need for consistent, high quality vision screenings, the results directed Conexus to expand its services to support the growing need to connect students who are found to have a potential vision problem to vision providers and resources in their community.

In 2017 Conexus established Conexus Mobile, a service that brings onsite eye exams and glasses directly into schools as a means to address access to care in some of the Commonwealth's most challenged schools and divisions. Conexus now operates two full time mobile vision clinics and has provided over 9,300 eye exams at no cost to students or their families.

Conexus is in the midst of a five year Campaign with a goal to have four full time clinics operating in the divisions showing the greatest need. Currently Conexus has secured the capital to run three clinics however to date lacks the doctor capacity and the support from Medicaid necessary for continued expansion.

Conexus operates under the direction of a fourteen member Board of Directors and enjoys the collective eighty years of experience represented by the organization's senior staff.

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Resolution

Conexus Council for Pediatric Vision and Conexus Board of Directors

Whereas, the Council for Pediatric Vision is charged with monitoring and reviewing vision health programs to recommend public health best practices to eliminate poor vision as a barrier to success;

And Whereas, technology has provided opportunities for improved vision screening, improved data collection and improved communication of potential eye health issues to families;

And Whereas, the Council for Pediatric Vision requested a study of the accuracy, effectiveness, and efficiency of VisioCheck in school age population, finding it to: be highly accurate in determining refractive errors; cause earlier and more effective interventions to improve vision; and be four times more efficient than traditional chart-based screenings, thus saving time and money;

And Whereas, The VCU / Conexus study was conducted in collaboration with Chesterfield County Public Schools with Third Grade Students;

Therefore, the Council for Pediatric Vision hereby recommends the VisioCheck program, for its inclusion of highly effective vision screenings, communication, education, and quality measurement components-for completing mass vision screenings in the school environment.

Positive Predictive Value (PPV)

Probability that students referred through each method truly have a vision problem.

VisioCheck PPV = 85.4%; traditional screening method PPV = 77.3%.

Note that VisioCheck not only refers more students (is more sensitive), but a higher percentage of those referred have a vision problem (meaning that VisioCheck is also more accurate). VisioCheck consistently has an over-refer rate of less than 2.5% and *identifies students with vision problems that are missed by traditional screenings.*
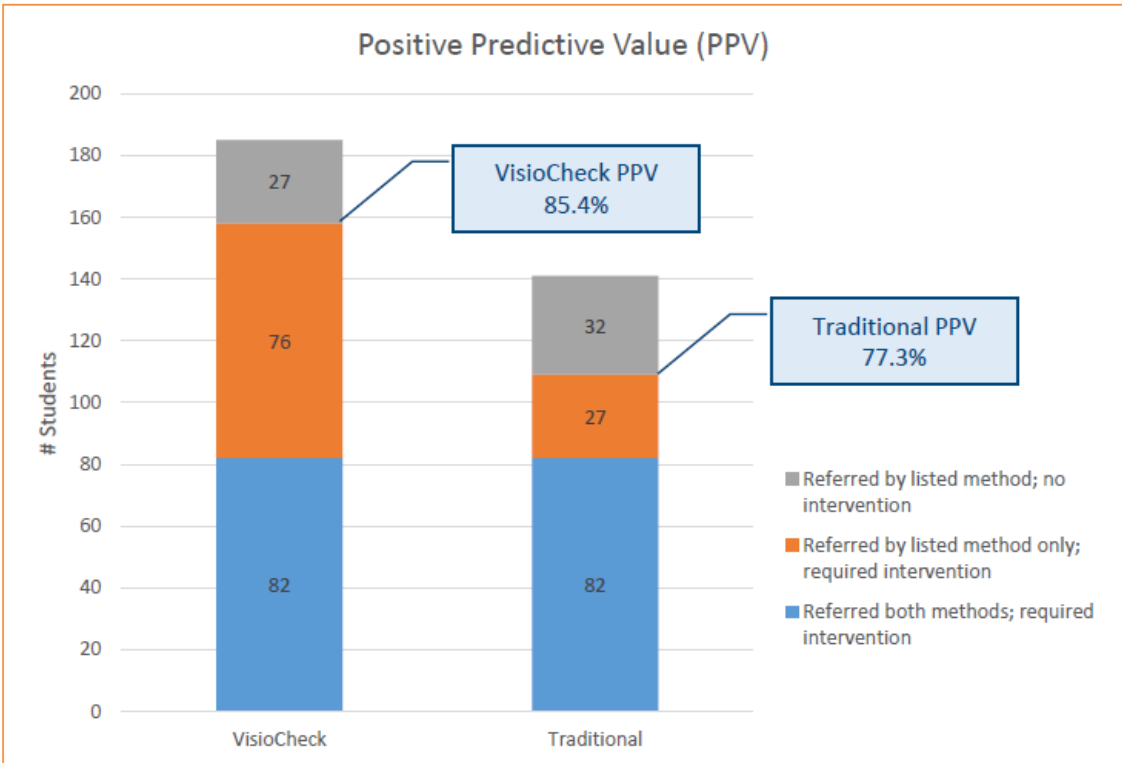
Efficiency of Screening

Time savings **increase exponentially** as the efficiencies of VisioCheck are employed across classrooms, schools, and school divisions.

Based on the VCU study, the average time for an RN to conduct the traditional vision screening is **0.8 minutes** (shown through experience to be significantly longer in some cases, depending on experience and training). The average time for a credentialed VisioCheck screener is **0.2 minutes**.

This does *not* include the time it takes to remove students from their classrooms and wait time in the screening area for traditional screenings, factors which are eliminated through VisioCheck's ability to screen in the classroom, often with students seated at their desks – *saving valuable instructional time*.
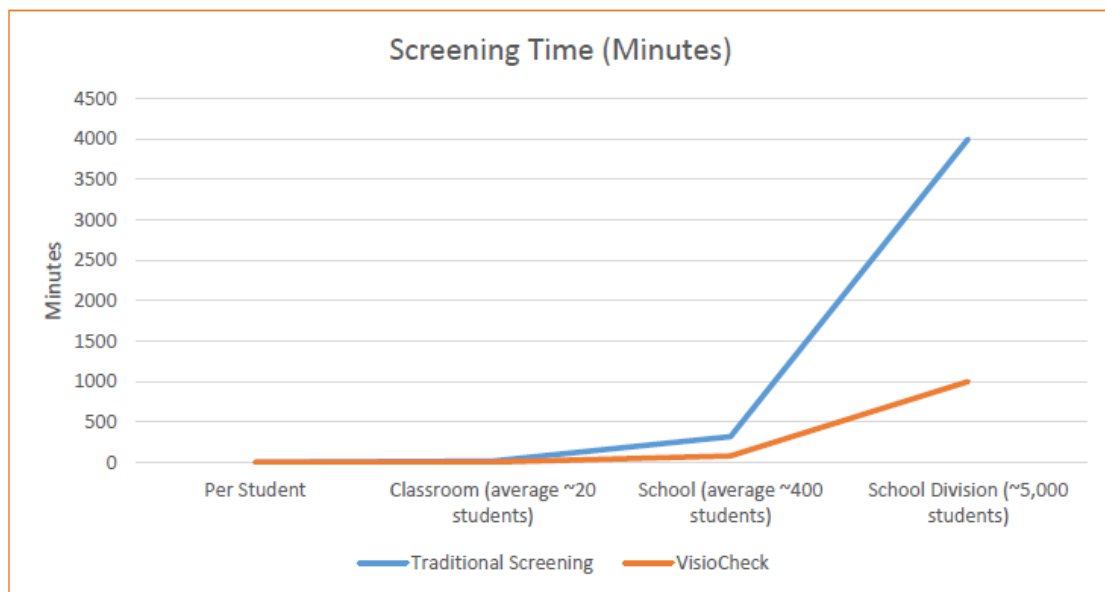
Council for Pediatric Vision

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Council Members:

Teresa Isom, RN, BSN

Margaret Meara, EdD

The Hon. Roxann Robinson, OD

Evan Silverstein, MD

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The Council for Pediatric Vision, whose makeup includes ophthalmologists; optometrists; school health professionals; school division leadership; and Conexus Program leadership, has carefully developed the Conexus Mobile Vision Clinic providing eye exams and glasses to students at public schools in Virginia. During this current school year (2021-2022) Conexus Mobile Vision will provide eye exams and glasses (if prescribed) to 4,000 students living in poverty, most of whom would likely never access eyecare without this Mobile Vision service. Eye exams on the Mobile Vision Clinic are performed on-site by Virginia licensed optometrists and ophthalmologists, and the services of Virginia licensed opticians are used on-site to fit and dispense glasses. The Conexus Mobile Vision Clinic currently serves Chesterfield County (Title I Schools), Richmond, Petersburg, and Cumberland County.

The effectiveness, efficiency, appropriateness, impact, protocols, and policies have been developed, studied, and tested by the Council for Pediatric Vision, and a published study by VCU medical students. The challenge we've been seeking help from the General Assembly is in securing Medicaid reimbursement through a viable claims process for Medicaid covered services provided to Medicaid enrollees. Conexus currently raises private funds to support all kids in these schools thus receiving Medicaid reimbursement for Medicaid eligible kids would allow Conexus to better leverage the private funds and expand services to more kids.

The work of the Conexus Mobile Vision Clinic is overseen by the Council for Pediatric Vision, delivers services provided by Virginia Licensed eyecare providers, and has successfully delivered eyecare services to nearly 8,000 students in the region's most economically challenged schools and communities. While the "gold standard" eye exam includes dilation, this is not "required" in existing exam codes. Utilization rates indicate that the children living in poverty served by the Mobile Vision Clinic at school are being provided access to care that otherwise would be inaccessible to them. The addition of these requirements (dilation, wide angle lens technology, etc.) would be impractical and prohibitive in the school setting, serving students through a large-scale program. The Mobile Vision Clinic program is designed to provide a thorough, approved exam. The primary function of the clinic is to properly identify and support the correction of refractive errors through the prescription of eyeglasses. Children who are suspected to have additional vision or eye health related issues found through the mobile clinic exam are referred for additional follow up. This medical referral is delivered to families with the additional support from the school nurse to help encourage treatment.

What's the difference between traditional school based screening and Conexus technology based comprehensive vision program?

Traditional school based vision screenings most often utilize wall-charts to test a student's acuity at a distance. Acuity results are recorded and parents are notified of a pass/fail result as part of a general health report. Traditional screening typically places the focus on the act of screening.

A *comprehensive* children's vision program, like VisioCheck, is multifaceted with very specific goals. Screening is just one component of an overall program to help ensure children's healthy vision. A quality comprehensive children's vision program should be outcome oriented and must also contain the following:

- Training
- Certified and credentialed technicians
- Consistent, reliable, and scientific screening process
- Parental education
- Relevant, informative, and action specific result communications with parents (Pass and Refer)
- Resources for care for those without access
- Follow-up to include data collection, reporting, and regular program analysis.

A comprehensive program is designed to change the way we view the importance of healthy vision and move people to **action** — ultimately getting under the care of an eye care provider, helping to support a lifetime of good vision.

How does the technology work and what conditions does it attempt to detect?

Conexus currently utilizes PlusOptix. This is an auto refractor. A trained technician uses the device which takes a series of very rapid pictures of a child's eyes. The software instantly analyzes the images and within 1-5 seconds evaluates:

Refraction: Hyperopia, Myopia, Anisometropia, Astigmatism

Pupil Size: Anisocoria

Corneal Reflex: Strabismus

and provides a **PASS or REFER analysis for:**

Myopia (nearsightedness)

Hyperopia (farsightedness)

Anisometropia (unequal refractive power)

Astigmatism (blurred vision, eye structure problem)

Anisocoria (pupil size difference)

Strabismus (corneal reflexes, symmetry)

Is the technology based screening accurate?

Conexus participated with VCU in a 2016 study to evaluate the effectiveness of the PlusOptix technology in school aged students. The study compared chart based acuity screening to that of the PlusOptix, and found the technology (when used by a trained technician) to have a positive predictive value of 85.4% in comparison to the chart based screening performed by a trained RN, which had a positive predictive value of 77.3%.

Is there a time savings associated with the use of technology?

The VCU study referenced above found the technology based screening to be minimally four times faster than traditional chart based screenings. Technology based screenings take, on average, 5-10 seconds/student screened, and a trained, seasoned technician can screen 400 students/day. Traditional screenings often take days or even weeks to complete.

Additionally, students do not need to leave their seats in the classroom to be screened, resulting in minimal classroom disruption and lost instructional time.

Should VDOE and VDH recommend schools purchase technology to perform the state mandated vision screenings?

Technology alone will not produce improved vision outcomes for students.

Technology and the screening process are just one component of an effective, results oriented screening program.

Without improved parental communications and results reporting, data collection, and regular ongoing program analysis and evaluation, the benefits of an improved vision screening process are lost on the inability to achieve improved vision outcomes.

Outsourcing technology based **comprehensive vision screening** provides the greatest return on investment through the most fiscally responsible process, minimizing:
- Equipment needs — each piece of equipment costs $7,000
- Equipment maintenance, management, depreciation and software/technology upgrades as necessary or required
- Personnel
- Training
- Resource management

Additionally, purchasing equipment across divisions or schools does not create a consistent program resulting in the extensive data, which allows the VDOE to evaluate trends in education and help to direct and allocate resources to support improved outcomes.

Conexus
FOR HEALTHY VISION

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