

June 2024

Student Voting Rates for Pennsylvania College Of Technology

NSLVE Campus Report

Tufts
UNIVERSITY | Jonathan M. Tisch
College of Civic Life

NSLVE THE NATIONAL STUDY
OF LEARNING, VOTING,
AND ENGAGEMENT

June 2024

Dear Colleagues:

We are pleased to share this tailored report containing your students' voting rates for several recent election cycles. For the first time ever, this report contains *four* years of relevant topline data: the midterm elections of 2014, 2018, and 2022, along with contextual data from the 2020 presidential election year. As we build the NSLVE data over time, the additional years of data may help your institution to begin to understand longer-term trends and considerations for practice.

This month, we are also looking forward to the release of Democracy Counts 2022, our national report on our most recent midterm elections. The results from 2022 were mixed – some encouraging trends and some signs of more work to do. We are excited to dive into the results with you and share what we see as the major takeaways in the coming weeks, so stay tuned.

You've heard this from us before: we urge you to share this report widely and strategically across your campus community. NSLVE data is an important resource for not only understanding your institution but also building a culture of political learning in higher education. We also invite you to invite you to [lean on our team's resources, including our Election Imperatives report series](#), which provides data-backed practical recommendations for centering civic and political learning and participation.

Other resources that you might find helpful in your work include our forthcoming national report ([keep an eye on our homepage!](#)), [our report on how institutions use NSLVE reports](#), and [our discussion guide on how to talk about your NSLVE reports on campus](#).

Finally, we always encourage you to reach out to us for support and with any questions that you may have. Email NSLVE@tufts.edu to get in touch with our team, and as always, watch your inbox (or sign up!) for [our periodic newsletter](#), announcements about upcoming releases, and new resources.

Remember, student political learning is a constant effort, requiring year-round strategic building. Elections may be episodic, but student engagement in democracy should not be.

All the Best,
Adam, Duy, Mari, and Victoria
The NSLVE Team

In This Report

This report presents data on student voter participation rates for your campus. The topline counts on page 5 tells you how many students voted, but we encourage you to look carefully at the data on subsequent pages to learn who voted. Data are presented in the form of vessel charts, overlapping donut charts, and tables.

Tables

	2014			2018			2014-2018 Change (p.p.)
	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	
Asian	-	-	-	-	-	-	-
American Indian/ Alaska Native	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-	-

The tables show the numbers of students and the rates from 2014, 2018, 2020, and 2022, when available. The change column represents difference between comparable counts and rates. The change in rates are in terms of percentage points. A red down arrow indicates a decrease, a green up arrow indicates an increase, and a yellow arrow pointing to the right indicates no change. "-" in these tables indicates that the data is unavailable/missing, or is available for 10 or less students.



Voting, Registration and Yield Rates

YOUR INSTITUTION

25.1%

2022 Voting Rate

+4.2

Change From 2018

ALL INSTITUTIONS

30.6%

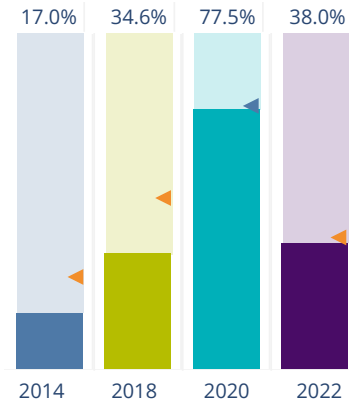
2022 Voting Rate

REGISTRATION RATE



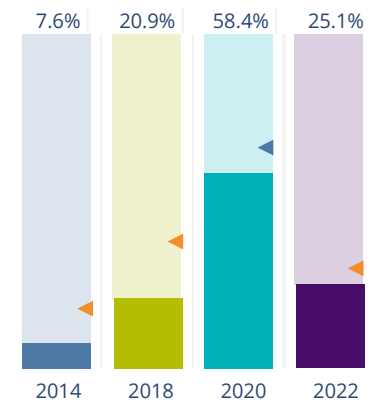
The **Registration Rate** is the percent of your voting-eligible students who registered to vote.

VOTING RATE OF REGISTERED STUDENTS



The **Voting Rate of Registered Students** is the percent of registered students who voted on Election Day. We often refer to this as the “yield” rate.

VOTING RATE



The **Voting Rate** is the percentage of eligible students who voted on Election Day. The voting rate is also the product of the registration and yield rates.

Looking Closer

Voting and Registration Rates

	2014	2018	2020	2022	2018-2022 Change
Total Student Enrollment	6,282	7,081	6,302	4,141	↓ -2,940
Age under 18/Unknown	707	1,627	1,653	26	↓ -1,601
IPEDS estimated non-resident aliens	73	13	-	-	-
Datasource	IPEDS	IPEDS	IPEDS	IPEDS	-
FERPA records blocked	-	-	-	-	-
Non-Degree Seeking Students	27	-	-	-	-
Total eligible voters	5,472	5,438	4,636	4,114	↓ -1,324
Number of students who registered	2,466	3,286	3,493	2,719	↓ -567
Number of students who voted	418	1,137	2,708	1,032	↓ -105
Registration Rate %	45	60	75	66	↑ 5
Voting Rate of Registered Students %	16	34	77	37	↑ 3
Voting Rate %	7	20	58	25	↑ 4

This page provides the numbers we used to calculate your voting, registration, and yield rates. The sub-categories under total student enrollment are the adjustments that we make to account for students who are ineligible to vote due to age or citizenship status. We also exclude, when correctly flagged, students who are not pursuing degrees.

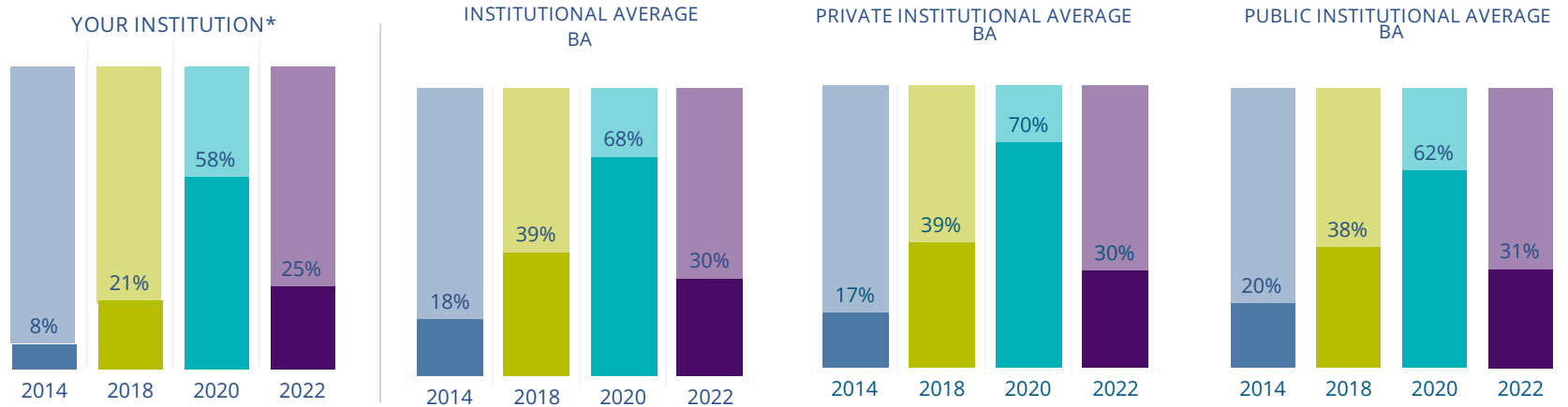
When we have removed non-resident aliens (international students), it is based on your institution's enrollment submission to the NSC. This is indicated by NSC for non-resident aliens data source. We use IPEDS-derived estimates of NRAs when institutions do not submit non-resident alien status data to NSC, or we cannot verify the accuracy of the reported counts. This is indicated by IPEDS in the data source.

In the following pages with tables, **Enrolled** represents the eligible voters when we have used NSC as the data source. When we have used IPEDS as the data source, **Enrolled** includes non-resident aliens who are ineligible to vote, and for whom we are unable to account due to the lack of data from your institution.

By Institution Types



These are estimated voting rates of your institution compared to the average voting rates of similar institutions in NSLVE. For Associate institutions, we only share public associate institutional averages due to sample size. *"Your Institution" chart is presented at a different scale.



By Race / Ethnicity



These are estimated voting rates for race / ethnicity groups. These classifications are provided by campuses and are obtained following race reporting procedures* defined by the National Center for Education Statistics of the Institute of Education Sciences (IES). Please see our FAQ for more detail : <https://tufts.app.box.com/v/idhe-nsive-report-faq>

If you notice unavailable/missing data in this page, it could mean any of the following for your institution: (i) does not report this data or reports this data as unknown; (ii) did not provide this data in past years; (iii) does not separately submit data for one or more of the demographic groups, or (iv) the data is reported for 10 or fewer students.

*<https://nces.ed.gov/ipeds/report-your-data/race-ethnicity-collecting-data-for-reporting-purposes>

Looking Closer

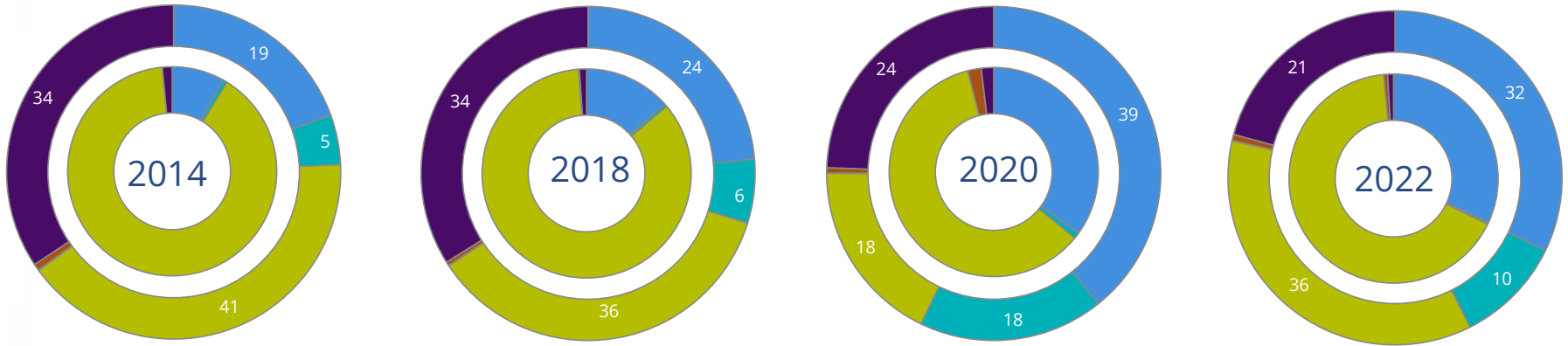
By Race/Ethnicity

This page provides the numbers we used to calculate race / ethnicity group voting rates. We include the counts of students and the change in rates between the two most recent comparable election years. If you notice unavailable/missing data in this page, it could mean any of the following for your institution: (i) does not report this data or reports this data as unknown; (ii) did not provide this data in past years; (iii) does not separately submit data for one or more of the demographic groups, or (iv) the data is reported for 10 or fewer students.

	2014			2018			2020			2022			2018-2022
	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Change
Asian	-	-	-	-	-	-	-	-	-	-	-	-	-
American Indian/ Alaska Native	-	-	-	-	-	-	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-
Native Hawaiian/ Pacific Islander	-	-	-	-	-	-	-	-	-	-	-	-	-
2 or More Races	-	-	-	-	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-	-	-	-	-
Race Unknown	5,546	418	7	5,452	1,137	20	4,640	2,708	58	4,115	1,032	25	↑ 4

By Voting Method

■ Not-In-Person
 ■ Early Vote
 ■ In-Person
 ■ Other
 ■ Provisional
 ■ Unknown



	2014		2018		2020		2022		2018-2022	
	Voted	Rate (%)	Voted	Rate (%)	Voted	Rate (%)	Voted	Rate (%)	Change	
Early Vote	-	-	-	-	24	0	-	-	-	-
In-Person	375	89	965	84	1,628	60	684	66	↓	-18
Not-In-Person	34	8	152	13	949	35	329	31	↑	18
Other	-	-	-	-	-	-	-	-	-	-
Provisional	-	-	-	-	58	2	-	-	-	-
Voting Method Unknown	-	-	13	1	49	1	-	-	-	-

These are estimated rates for vote method utilization, the number of students utilizing each method, and the percent of students utilizing each method. Not all U.S. states provide information on vote method; voting method for voter files from these states are classified "Voting Method Unknown." For a list of these states, see our FAQ. <https://idhe.tufts.edu/nslve/nslve-faq#CampusReports>. The inner ring in these charts show your campus's method utilization and the outer ring show the national level utilization.

By Age Group

	2014	2018	2020	2022
18-21	4%	14%	55%	20%
22-24	6%	21%	58%	27%
25-29	10%	29%	60%	31%
30-39	21%	43%	71%	42%
40-49	38%	58%	78%	61%
50+	44%	69%	89%	69%

Voting is habit-forming and young voters will often continue as voters in subsequent elections. Also, elected officials and public opinion polls solicit opinions from people they can locate - people in the voter files. Our 2020 data showed a surge among the youngest voters on college campuses, yet 2022 saw a return to past trends, with older students voting at higher rates than their younger counterparts. This change underscores the importance of continued need for institutionalized learning -- working with students to help them understand their political voice and power as they arrive on campus.

Looking Closer

By Age Group

Here, we provide the numbers of students in each age category and the voting rates for each group. These

are based on the student's age on the day of the election, as calculated by the National Student Clearinghouse using data from student enrollment records.

	2014			2018			2020			2022			2018-2022	
	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Change	
18-21	3,551	143	4	3,438	511	14	3,107	1,736	55	2,778	567	20	↑	5
22-24	912	60	6	974	207	21	750	441	58	687	189	27	↑	6
25-29	523	54	10	468	136	29	376	226	60	285	89	31	↑	2
30-39	336	71	21	381	165	43	264	189	71	220	94	42	→	0
40-49	150	57	38	129	75	58	106	83	78	99	61	61	↑	3
50+	74	33	44	62	43	69	37	33	89	46	32	69	→	0

Looking Closer

By Sex

	2014			2018			2020			2022			2018-2022
	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Change
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-

These are estimated voting rates for sex groups and the numbers we used to calculate their voting rates. These classifications are provided by campuses and are obtained following the reporting procedures defined by the National Center for Education Statistics (NCES) of the Institute of Education Sciences (IES). Presently, NCES requires institutions to report students as “Male” or “Female” only.*

If you notice missing data in this page, it could mean any of the following for your institution: (i) does not report this data; (ii) did not provide this data in past years; (iii) does not separately submit data for one or more of the demographic groups, or (iv) the data is reported for 10 or fewer students.

*<https://surveys.nces.ed.gov/ipeds/public/survey-materials/faq?faqid=11>

Looking Closer

By Education Level / Undergraduate Class Year

	2014			2018			2020			2022			2018-2022 Rate Change
	Enrolled	Voted	Rate(%)	Enrolled	Voted	Rate(%)	Enrolled	Voted	Rate(%)	Enrolled	Voted	Rate(%)	

EDUCATION LEVEL

Undergraduate	5,437	409	7	5,185	1,048	20	4,414	2,561	58	4,051	1,007	24	↑ 4
Graduate	-	-	-	-	-	-	-	-	-	25	-	-	-
Class Unknown	109	-	-	267	89	33	226	147	65	39	17	43	↑ 10

CLASS YEAR

Freshman	2,220	100	4	1,954	289	14	1,663	880	52	1,580	291	18	↑ 3
Sophomore	1,814	140	7	1,646	330	20	1,345	798	59	1,231	335	27	↑ 7
Upperclassman	1,458	164	11	1,696	470	27	1,505	948	62	1,242	381	30	↑ 2



ENROLLMENT STATUS

Full-time	4,653	231	4	4,339	733	16	3,642	2,049	56	3,420	758	22	↑ 5
Part-time	893	187	20	1,113	404	36	998	659	66	695	274	39	↑ 3

These are estimated voting rates by Education Level (undergraduate/graduate), Class Year, and Enrollment Status (full-time/part-time), and the numbers we used to calculate these rates.

If you notice missing data in this page, it could mean any of the following for your institution: (i) does not report this data; (ii) did not provide this data in past years; (iii) does not separately submit data for one or more of the demographic groups, or (iv) the data is reported for 10 or fewer students.

By Field of Study

FIELDS	2014			2018			2020			2022			2018-2022
	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Change
Agriculture	-	-	-	72	11	15	45	27	60	29	-	-	-
Architecture	-	-	-	106	15	14	92	50	54	102	19	18	 4
Business, Management, and Marketing	181	13	7	493	130	26	484	284	58	411	145	35	 8
Transportation	30	-	-	52	-	-	49	31	63	39	-	-	-




These are estimated voting rates by field of study, and the numbers we used to calculate the field of study rates. For an explanation of CIP codes, please see our FAQ.* There are roughly 8,000 fields of study among U.S. colleges and universities, so we provide rates for condensed categories.

*<https://tufts.app.box.com/v/idhe-nsive-report-faq>

By Field of Study

FIELDS	2014			2018			2020			2022			2018-2022
	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Change
Computer and Information Sciences	51	-	-	442	96	21	332	171	51	248	54	21	→ 0
Construction Trades	96	-	-	221	34	15	235	147	62	261	38	14	→ 0
Engineering and Engineering Technologies	764	62	8	1,203	211	17	955	579	60	1,012	220	21	↑ 4
Family and Consumer/Human Sciences	-	-	-	31	-	-	-	-	-	-	-	-	-
Health Professions	1,069	107	10	1,500	347	23	1,251	736	58	1,009	306	30	↑ 7
Law Enforcement, Firefighting, and Protective Services	-	-	-	36	11	30	40	32	80	49	19	38	↑ 8
Transportation	30	-	-	52	-	-	49	31	63	39	-	-	-

By Field of Study

FIELDS	2014			2018			2020			2022			2018-2022
	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Enrolled	Voted	Rate (%)	Change
Liberal Arts and Sciences, and Humanities	130	15	11	37	-	-	33	17	51	24	-	-	-
Mechanic and Repair Technologies/Technicians	290	-	-	454	53	11	354	186	52	390	70	17	 6
Multi/Interdisciplinary Studies	-	-	-	25	15	60	16	14	87	-	-	-	-
Personal and Culinary Services	119	-	-	85	15	17	46	17	36	49	-	-	-
Precision Production	142	-	-	134	20	14	132	66	50	131	28	21	 6
Visual and Performing Arts	92	-	-	135	33	24	139	94	67	115	42	36	 12
Unknown	2,383	174	7	286	96	33	243	160	65	52	18	34	 1

About This Report

Thank you for participating in the National Study of Learning, Voting, and Engagement.

Since NSLVE's launch in 2013, nearly 1,200 colleges and universities have signed up to receive their voting rates for the 2012, 2014, 2016, 2018, 2020, and 2022 federal elections.

Along with others, your institution's participation in this study has allowed us to build a robust database representing an average of well over 10 million students for each election year, that serves as a foundation for innovative research on college student political learning and engagement in democracy.

The National Study of Learning, Voting and Engagement (NSLVE, "en-solve") is a service offered to colleges and universities that provides a tailored report on their students' voting rates and other metrics. Launched in 2013 at Tufts University's Jonathan M. Tisch College of Civic Life, NSLVE represents more than 1,200 campuses in all 50 states + D.C. and now serves as a widely impactful resource for the work of understanding and fostering student political learning.

About the Data

The voter registration and voting rates in this report reflect the percentage of your institution's students who were eligible to vote and who actually voted in the 2014, 2018, 2020, and 2022 elections.

These results are based on enrollment records your institution submitted to the National Student Clearinghouse (NSC) and publicly available voting files collected by L2 Political.

Enrollment lists are adjusted by deducting students under age 18 (at the time of the election), people identified as non-degree seeking and those identified by campuses as "nonresident aliens" (NRAs) (the federal government's category for mostly international students). Unfortunately, not all campuses report NRAs to NSC. For those campuses, we use IPEDS to calculate the number of NRA students on each campus and adjust NSC enrollment numbers to estimate the number of students to remove. We also quality check NRA removals by verifying that there is little to no discrepancy between the number of international students reported by the campus to IPEDS and to NSC. We cannot adjust subgroup analyses absent identification of NRAs verified by the process above. We welcome closer partnerships with individual colleges and universities to provide more accurate rates. For more on the data and the matching process, see our FAQ on Campus Reports.

Thank you for the work you do to improve your students' political learning and engagement. We hope that you find your NSLVE report useful. For up-to-date news on NSLVE data, resources, and to sign up for our newsletter visit: <https://nslve.tufts.edu>.

References: NSLVE encourages report recipients to share this report as broadly as possible, including posting it on the college or university's website. When doing so, please use the following citation: National Study of Learning, Voting and Engagement. (2024). 2022 report for _____ [name of institution]. Medford, MA.

Contact us to get more info

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 The National Study for
Learning Voting and
Engagement

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