

Perkins V Postsecondary Accountability Power BI Overview

Carrie Schneider, System Office Research

Agenda

We will review:

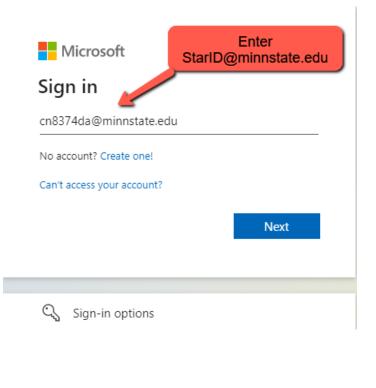
- Requesting access to the Perkins V Reporting app
- Logging in to Power BI from Office 365 and finding the Perkins V Reporting app
- Review the reports available in the app and when/how to use them
- Time for Q & A

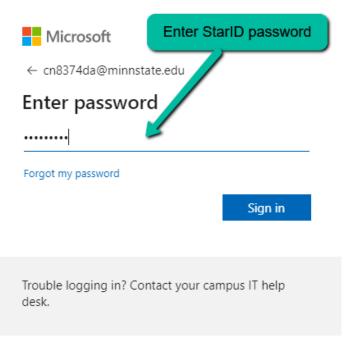
Power BI – Getting Access to the Perkins V Reporting app

- To request access to the Perkins V Reporting Power BI app, please send an email to Karl Ohrn (<u>Karl.Ohrn@minnstate.edu</u>) or Katie Vaccari (<u>Katie.Vaccari@minnstate.edu</u>).
- If you are not a Consortium Leader, please indicate the business reason for this access.
- Access was given to consortia leaders and other limited staff, as requested. There is an expectation that consortium leaders will share the data as needed/appropriate.
- Slides and webinar recording from the Perkins Accountability training on September 21, 2023
 - <u>https://www.minnstate.edu/system/cte/professionaldevelopment/monthly-webinars.html</u>

Log in to Office 365

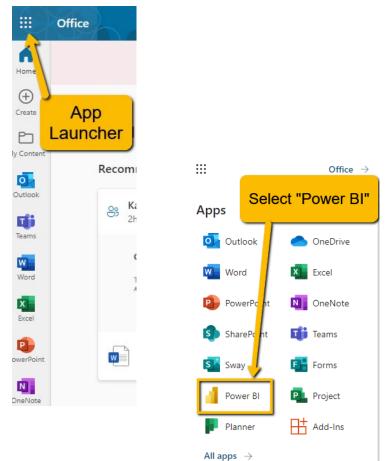
Log into Office 365





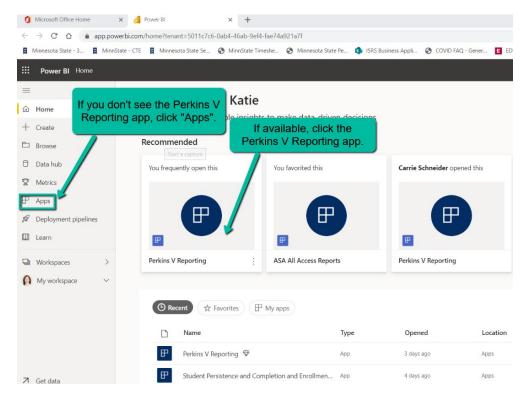
Accessing Power Bl

- Find and open the Power BI app.
 - In the upper left, click the icon that resembles 9 dots (the "App Launcher")
 - From the list of available Apps, choose "Power BI"



Power BI – Finding the App

 On Power BI home page, click on the Perkins V Reporting app if available, otherwise click "Apps" on the left navigation pane.



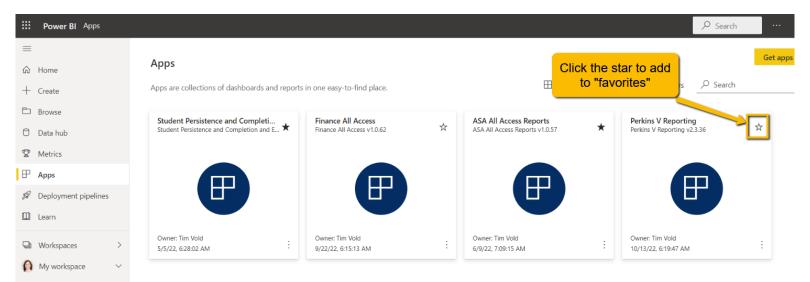
Power BI – Finding the App

- Click the Get apps button in the upper right.
- On the pop up, click Organizational Apps, find Perkins V Reporting, click Get it now



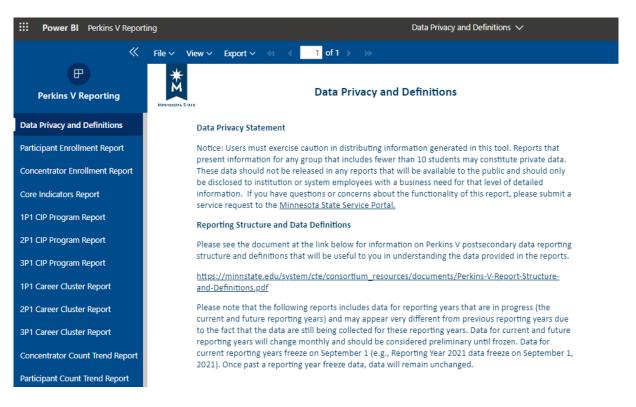
Power BI – Add to Favorites

- Find the **Perkins V Reporting** app under the **Apps** tab (left navigation pane).
- Hover over the app and click the * to add to your favorites to easily find and access again.



Open the Perkins V Reporting App

 App will open to a "Data Privacy and Definitions" page.



Perkins V Reporting App

Under the Data Definitions, you will find 14 paginated report options and 6 Power BI reports at the bottom left navigation.

Data Privacy and Definitions
Participant Enrollment Report
Concentrator Enrollment Report
Core Indicators Report
1P1 CIP Program Report
2P1 CIP Program Report
3P1 CIP Program Report
1P1 Career Cluster Report
2P1 Career Cluster Report
3P1 Career Cluster Report
Participant Count Trend Report
Concentrator Count Trend Report
Core Indicator 1P1 Trend Report
Core Indicator 2P1 Trend Report
Core Indicator 3P1 Trend Report
Performance Gap Report 🛛 🗸

Core Indicator 1P1 Trend Rep	ort
Core Indicator 2P1 Trend Rep	ort
Core Indicator 3P1 Trend Rep	ort
Performance Gap Report	~
SDPL Gap Report	~
Population Comparison Re	~
Performance by Subgroup	~
Participants by Subgroup	~
Concentrators by Subgroup	~
← Go back	

Perkins V Reporting App – Paginated Reports

 The paginated reports provide summary data based on the selections you make at the top of each report. Once you choose your report, reporting level (population) and timeframe, click "View Reports".

Power BI Perkins V Report	ing			Core Inc	₽ Searce	:h •••	8								
«	File 🗸 View 🗸 Expo	ort∨ ≪ ∢ 1 of 1		∀ Paran	neters							品 Print now	Comments	🖾 Subscribe	• 0
Perkins V Reporting	Select a reporting level:	State Total 💌		Select	consortiur	n/institutio	on: State	Total		•				View re	eport
Data Privacy and Definitions	Select a reporting year:	2020 -	Perkins V	Core Inc	dicators	M					tions a	at		<u> </u>	
Participant Enrollment Report	Ň			ate Total ing Year: 2	2020		th	e top	of the	e pag	le.			/	
Concentrator Enrollment Report	MINNESOTA STATE			al Reporting								Click "View	Report" in	1	
Core Indicators Report	Po	opulation		1P1: Postsecondary Placement			2P1: Earned 3P1: Nontraditional Postsecondary Credential Program Enrollment			upper right.					
1P1 CIP Program Report			Num	Den	Rate	Num	Den	Rate	Num	Den	Rate			,	
2P1 CIP Program Report															
3P1 CIP Program Report	Total Gender		9,365	10,317	90.77%	10,446	20,612	50.68%	2,059	14,727	13.98%				- 1
1P1 Career Cluster Report	Male		4,508	5,006	90.05%	5,165	10,599	48.73%	943	7,736	12.19%				
	Female		4,857	5,311	91.45%	5,281	10,013	52.74%	1,116	6,991	15.96%				

Perkins V Reporting App – Exporting/Printing Paginated Reports

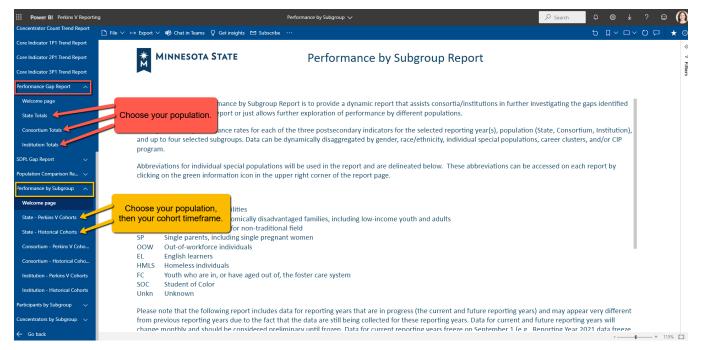
- To export the paginated report (for printing or other reasons), use the Export menu at the top.
- To export data to .csv or .xlsx, you must have have the "Power Consumer" feature enabled to export to Excel. If you don't have this, you will need to contact your IT service desk and ask for the "[College]-PBI-PowerConsumer" feature.

Power BI Perkins V Reportin	g					2P1 CIP	Program Repo	ort 🗸
«	🗅 File 🚿	$\checkmark \rightarrow \text{Export} \lor \Box \text{Vie}$	w 🗸 🛛 🗸	4 Page 1	of 1 ▷ ▷	> 🍸 Para	meters 🖾 Si	ubscribe
Porking V Poporting	Select a	RE Microsoft Excel (.)	(lsx)	•	Select o	:onsortium/in	stitution: Sta	ate Total
You can print using the "File" menu, the		re Accessible PDF (.p		•		a CIP code:		0000,010102,010
select "Print".	hoose	^a 📄 Comma Separate	d Values (.csv		Choose	a career clus	ter code: 08	
Concentrator Enrollment Report Core Indicators Report	MINNESOTA STA		docx)	ned Recognize CIP Progr State Tota Reporting Year	am al	one of	ort data, the optic oort" me	ons in
1P1 CIP Program Report		다 Web Archive (.mh	tml)	For Internal Repor	ting Only*	<u>ــ</u>		
2P1 CIP Program Report	CIP Code ↑↓		Code 👎	Career Cluster 1	CIP Gender ↑↓ Equity Code	Num ↑↓ 3.566	Den ↑↓ 6.180	Performance Rate
3P1 CIP Program Report	Total 190501	Foods, Nutrition, and Wellness Studies, General	08	Health Science	М	3,566	6,180	0.00%
1P1 Career Cluster Report	310501	Sports, Kinesiology, and Physical Education/Fitness, General	08	Health Science	В	11	13	84.62%
2P1 Career Cluster Report	310505	Exercise Science and Kinesiology	08	Health Science	В	15	132	11.36%
3P1 Career Cluster Report	310507	Physical Fitness Technician	08	Health Science	В	21	40	52.50%
Participant Count Trend Report	410000	Science Technologies/Technicians, General	08	Health Science	В	0	3	0.00%
Concentrator Count Trend Report	510000	Health Services/Allied Health/Health Sciences, General	08	Health Science		51	521	9.79%



 The Power BI reports are more dynamic and allow you to look at multiple years of data, for some of the reports, cross up to four populations, and filter the data to further explore enrollment and performance data.

- When you select a Power BI report, you will first be brought to a Welcome page with information about that report.
- To use the report, you will need to select your population of interest and, depending on the report, your timeframe of interest, then choose the appropriate report.



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 Once you choose your report, you will need to make slicer selections and/or possibly button selections or additional filter selections.

Power BI Perkins V Reportir	ıg	Perf	ormance Gap	Report 🗸						ېر	Search	Ļ	\$ ⊻	? 🙂	\bigcirc
Data Privacy and Definitions	□ File \lor \mapsto Export \lor \mathbf{t} Chat in Teams \bigcirc Get insights 🖂	Subscribe ····										៦ 🛛	$ \sim \Box \sim$	0 🗖 🖌	t ()
Participant Enrollment Report	Make slicer														×
Concentrator Enrollment Report	selections at the top OTA STATE			Perfor	manc	e Gap R	еро	rt		0	n some	reports,	you		⊲
Core Indicators Report	of the page.			9	State Ga	ap Analysis				61	can do additional filtering using the filter				Filters
1P1 CIP Program Report	Reporting Year										•	n the righ			
2P1 CIP Program Report	2022 V Gender	Race/	Ethnicity	Student	of Color	Special Popula	ations	Career CI	usters						
3P1 CIP Program Report				·											
1P1 Career Cluster Report		1P1 Num			5			2P1 Rate	2P1 Gan	3P1 Num	3D1 Den	3D1 Rate	3P1 Gan		
2P1 Career Cluster Report						must also op to filter			21 1 0ap				511.04b		
3P1 Career Cluster Report		9,517				op to filter	9,593	51.28%		1,996	13,919	14.34%			
Participant Count Trend Report	Special Population	1P1 Num					📕 Den	2P1 Rate	2P1 Gap	3P1 Num	3P1 Den	3P1 Rate	3P1 Gap		
Concentrator Count Trend Report	Individuals with Disabilities	335	395	84.81%	-4.59	429	1,019	42.10%	-9.18	93	692	13.44%			
Core Indicator 1P1 Trend Report	Individuals with Economically Disadvantaged Families	3,854	4,311	89.40%	0.00	3,984	8,875	44.89%	-6.39	946	6,137	15.41%	1.07		
Core Indicator 2P1 Trend Report	Individuals Preparing for Nontraditional Fields	1,079	1,203	89.69%	0.29	1,095	2,037	53.76%	2.48	1,995	2,011	99.20%	84.86		
Core Indicator 3P1 Trend Report	Single Parents	755	865	87.28%	-2.12	757	1,650	45.88%	-5.40	182	1,228	14.82%	0.48		
Performance Gap Report 🛛 🔿	Out of Workforce Individuals	642	738	86.99%	-2.41	669	1,491	44.87%	-6.41	145	1,069	13.56%	-0.78		
Welcome page	English Learners	161	202	79.70%	-9.70	158	592	26.69%	-24.59	72		20.28%			
	Homeless Youth	15 34	16	93.75%	4.35	12 36	54 99	22.22% 36.36%	-29.06	6 22		18.75%			
State Totals	Youth in Foster Care	34	40	85.00%	-4.40	36	99	36.36%	-14.92	22	70	31.43%	17.09		
Consortium Totals	Youth with Parent in Active Military	1								I					

- To export the data to .csv or .xlsx, use the ellipses on the far right.
- As mentioned earlier, to export to Excel, you do need to have the "Power Consumer" feature enabled. If you don't have this, you will need to contact your IT service desk.

« I	🗅 File 🗸 🛏 Export 🗸 👘	Chat in	Teams 🖾 Subscribe …						5 D	~ □ ~ ♡ ;	⊐ ☆ 0
										▽ Filters	>
	* MINNESOTA ST	ATE								,O Search	
	M							cal Cohorts	í	Filters on this vis	ual
	Reporting Year		Selection 1		, Selecti					Count is (All)	\lor
	Multiple selections	\sim	Career Cluster	\sim	Gende	r		\vee		Reporting Yea	r V 🖉
			Selection 2		Selecti	on 4				Selection 1	~ &
			CIP String	\sim	Gende	r					Technology (11)
	Selection 1		Selection 2	Selection 3	2017	2018	201	To export data to Excel (.xlsx or .csv), use ellipses		Add a comment	~ &
	Information Technology	1101	03 Information Technology	Female	5	5		in upper right of report and	Ę	🛱 Chat in Teams	$\vee \diamond$
	(11)	(F)		Male	50	43	5	choose "Export Data") Export data	
		1102	01 Computer	Female	29	38	4	choose Export Data	5	Show as a table	\vee \diamond
			ramming/Programmer, rral (F)	Male	194	197	211			I Spotlight	
		1102	02 Computer Programming,	Female	5	3	10			Sort descending	
		Speci	fic Applications (B)	Male	23	21	28		ļ	2 Sort ascending	
			01 Data Processing and Data	Female		5	2			Sort by	
		Proce	essing Technology/Technician	Male		5	6				

Tips/Tricks/Troubleshooting

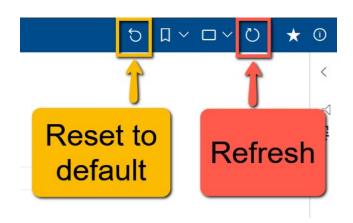
- Be patient. Let the data load on the page first before making changes or selections
- In the Power BI reports, let your selections load before making new selections in the slicers (at the top)
 - Make selections in order of 1, 2, 3, 4 (where there are four population selections to make)
- Drill up
 - Up arrow in the table navigation options or right click -> Drill Up
- Refresh or reset to default (see Troubleshooting: Reset/Refresh)
- Trouble clicking the table navigation buttons on the top right of the table, click in one of the cells of the table (see Troubleshooting: Drill Up Arrow)

Troubleshooting: Drill Up Arrow

					n options:	
2P1	Consortium			Selection 2	Selection 4	1P1 Den V 🖉 is (All)
3P1)~	Gender	✓ Individuals Preparing For Not Trad Fletds ✓ 🖉 🖓 🖸 🖓 🖬 🗸	1P1 Num 🗸 🖉 is (All)
Selection 1	. Seleo	ction 2	Selection 3	Reporting Year Selection 4	2020 ^	Rate V 🖉 is (All)
Agriculture, Food, Natural Resource		ale	Hispanic of any race	Not NT NT	2. Click back to the table area,	Reporting Year V @
			Two or more races	Not NT	then the full table navigation	Selection 1 ^ @ is Agriculture, Food, and Natural Res.
			Unknown Race and Ethnicity	NT	options should be available.	Filter type
			White	Not NT	options should be available.	Basic filtering ~
				NT	If the drill options are not	
	Male		Black or African American	Not NT	back, try clicking in one of the	Select all Activity Send and 2000
			White	Not NT		Agriculture, Food, and 9928
				NT	cells in the table and repeat	Architecture and Cons 24327
Architecture and Construction (02)	Fema		Unknown Race and Ethnicity	NT	steps 1 and 2.	Business, Managemen 22286
			White	NT		Education and Training 6114
						Finance (06) 8056

Troubleshooting: Reset/Refresh

- Sometimes Power BI will hang up if too many selections are made too quickly before loading completely. Try to reset to default and start again, letting each selection load between drop downs.
- If the data doesn't seem updated, there are may be cache issues. It may be helpful to refresh your visual.





 Reports on participants and/or concentrators in CTE programs;

Reports on Performance on Core Indicators;

Reports that **identify and quantify disparities** (or gaps) in Performance on Core Indicators compared to SDPLs (i.e., Targets) and compared to the total population;





-Reports on participants and/or
concentrators in CTE programs;
-Useful for analyzing trends in participation in
CTE as well as differences in access to CTE
programs by demographics, special
populations, and career clusters



-Reports on Performance on Core Indicators;
-Useful for analyzing trends in performance as well as differences in performance by demographics, special populations, career clusters, and CIP codes

Perkins V Reporting

Data Privacy and Definitions
Participant Enrollment Report
Concentrator Enrollment Report
Core Indicators Report
1P1 CIP Program Report
2P1 CIP Program Report
3P1 CIP Program Report
1P1 Career Cluster Report
2P1 Career Cluster Report
3P1 Career Cluster Report
Participant Count Trend Report
Concentrator Count Trend Report
Core Indicator 1P1 Trend Report
Core Indicator 2P1 Trend Report
Core Indicator 3P1 Trend Report
Performance Gap Report
SDPL Gap Report
Population Comparison Report
Performance by Subgroup
Participants by Subgroup
Concentrators by Subgroup

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-Reports that identify and quantify disparities
(or gaps) in Performance on Core Indicators
compared to SDPLs (i.e., Targets) and
compared to the total population;
-Useful for identifying subpopulations having
gaps in performance that need to be
addressed in the Local Application, CLNA, and
Improvement Plan

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When to use the Participant or Concentrator Reports

- Comprehensive Local Needs Assessment (CLNA)
- Continued Consultation with Stakeholders



This report provides information on the trend (both modeled historical and Perkins V reporting/cohorts) of the count of students concentrating in CTE programs with the ability to filter results by career cluster





This report provides information on the trend (both modeled historical and Perkins V reporting/cohorts) of the count of students concentrating in CTE programs with the ability to select up to four subgroups for breakout



This report provides information that will allow you to compare CTE participants and concentrators to the general population of the cohort/reporting year broken out by demographics, special populations, and career cluster



This report identifies and quantifies gaps in performance between subpopulations and the indicator population as a whole for each performance indicator





This report identifies and quantifies gaps in performance between subpopulations and their approved SDPL's (i.e., targets) for each performance indicator



When to use the Core Indicator, Performance and SDPL Gap Reports

- Comprehensive Local Needs Assessment (CLNA)
- Local Application
- Improvement Plan

Power BI and Perkins V Resources

- Office 365 Login: <u>http://portal.office.com/</u>
- Power BI Resources on the IT Connect site:
 - Internal Training on getting started <u>Power BI All Access Training –</u> <u>Getting Started</u>
 - External Training Basics <u>Getting Started with Power BI for</u> <u>Consumers #1</u> - 11 minutes.
 - Going deeper into <u>navigation</u> around Power BI <u>Getting Started with</u> <u>Power BI for Consumers #2</u> – 8 minutes
- Minnesota State Service Portal: <u>https://servicedesk.minnstate.edu/TDClient/30/Portal/Ho</u> <u>me/</u>
- Perkins V Accountability Resources: <u>https://minnstate.edu/system/cte/consortium_resources/i_ndex.html</u> (scroll down to Accountability Resources)

Input on SDPLs for RY2025-2028

- Meeting with College IR Directors Friday, October 20
- Session at the Consortia Leaders Meeting, Tuesday, October 31

What questions do you have?



THANK YOU!

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