

North Dakota State University

Each of the state's college campuses is an important component of that area's local economy. This summary highlights the economic contribution of North Dakota State University using key economic indicators; gross business volume, selected tax revenues, and employment.

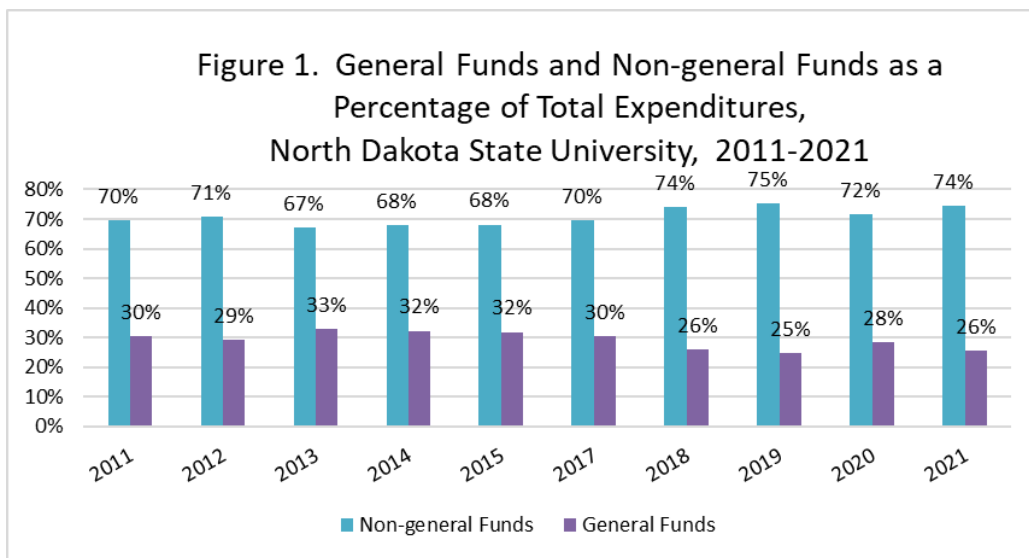
General and Non-general Expenditures

Combined expenditures for General and Non-general Funds in FY2020 and FY2021 were \$470.6 million and \$538.4 million, respectively (Table 1). Wages, salaries, and benefits were the largest expenditure category in FY2021, totaling \$284.7 million in FY2021. Operating expenditures were the next largest expenditure category, totaling \$170.9 million in FY2021. Scholarships totaled \$29.2 million and Capital Improvements and Equipment totaled \$53.5 million in FY2021 (Table 1).

Table 1. General and Non-general Expenditures, North Dakota State University, FY2020 and FY2021.		
	FY2020	FY2021
	----- million \$ -----	
General and Non-general Fund Expenditures		
Wages and Salaries and Benefits	275.8	284.7
Operations	142.0	170.9
Scholarships	30.7	29.2
Capital Expenditures	22.2	53.5
Total	470.6	538.4
Non-General Fund Expenditures		
Wages and Salaries and Benefits	174.4	181.1
Operations	119.5	148.1
Scholarships	26.8	25.7
Capital Expenditures	16.5	46.0
Total	337.3	400.8
General Fund Expenditures		
Wages and Salaries and Benefits	101.4	103.7
Operations	22.4	22.9
Scholarships	3.8	3.5
Capital Expenditures	5.6	7.6
Total	133.3	137.6

In FY2021, Non-general Funds made up 74 percent of total North Dakota State University expenditures for operations while General Fund expenditures made up 26 percent. Since FY2018, the share of Non-general Funds as a percentage of total expenditures has been relatively consistent (Figure 1). Prior to 2018, General Fund expenditures made up a slightly higher percentage of total expenditures ranging from 29 to 33 percent.

In FY2021, for every dollar of General Funds, North Dakota State University obtained an additional \$2.91 in Non-general Funds. In FY2020, North Dakota State University leveraged \$2.53 from external sources for every dollar of appropriated funds. (The ratio of Non-general Funds generated for every dollar of General Funds is calculated by dividing total Non-general Fund expenditures by total General Fund Expenditures).



Direct and Secondary Economic Effects

Direct or first round economic effects are from North Dakota State University expenditures for wages and salaries, operations, and capital expenditures. While North Dakota State University also had expenditures for scholarships, scholarships are excluded from the assessment of NDUS economic effects in order to avoid double counting. Scholarships are included as part of the estimate of student expenditures. Because of the exclusion of scholarships, direct or first round economic effects are slightly less than North Dakota State University total expenditures.

Direct effects from General and Non-general Fund expenditures were \$509.2 million in FY2021. Secondary effects (indirect and induced) totaled \$426 million. Total direct and secondary effects from North Dakota State University expenditures for wages and salaries, operations, and capital expenditures from General and Non-general Fund expenditures were \$935.2 million in FY2021 (Table 2).

Based on expenditures per FTE student, students were estimated to have spent \$149.0 million in

North Dakota on books, room and board, personal items, and recreation during the 2020-2021 school year. Business activity associated with student expenditures in FY2021 supported additional induced (secondary) effects of \$158.3 million, for total economic effects (direct and secondary) of \$307.3 million (Table 2). Average per student expenditures were \$13,723 (data not shown).

Direct employment at North Dakota State University in FY2021 was 4,819 jobs. Business activity associated with North Dakota State University expenditures supported secondary employment of 2,649 jobs in FY2021. Student expenditures supported secondary employment of 1,053 jobs. Total direct and secondary employment associated with North Dakota State University supported 8,521 jobs in FY2021 (Table 2).

In FY2021, business activity from North Dakota State University General and Non-general Fund expenditures was estimated to generate about \$7.1 million in revenue to state and local government jurisdictions. Student spending generated an additional \$3.9 million in state and local tax revenue. Combined, North Dakota State University operations and student expenditures generated \$11.0 million in state and local tax revenue (Table 2).

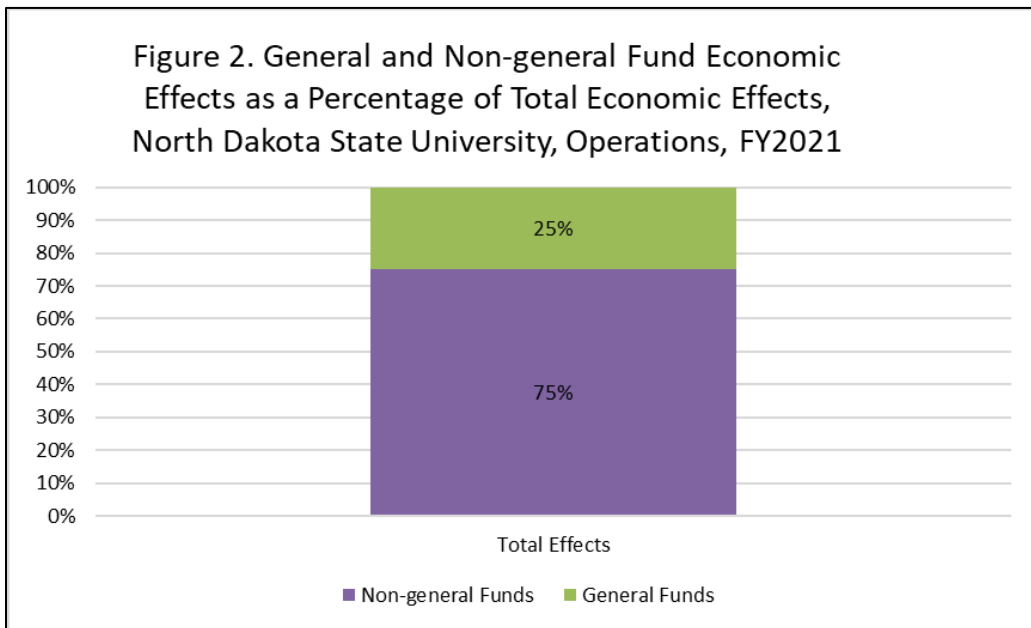
A substantial portion of total (direct and secondary) economic effects from North Dakota State University operations in FY2021 was from Non-general Fund expenditures. Economic effects from Non-general expenditures in FY2021 were 75 percent of North Dakota State University (direct plus secondary) economic effects and 25 percent were from General Funds (Figure 2).

Table 2. Economic Effects, Operations and Student Expenditures, North Dakota State University, FY2020 and FY2021.			
Economic Metric and Type of Effect	Operations	Student Expenditures	Total
	FY2020		
Business Volume (output)	----- million \$ -----		
Direct Effect	440.0	155.1	595.0
Secondary Effects	344.3	164.7	509.0
Total (direct and secondary) Effects	784.3	319.7	1,104.0
Employment	----- jobs -----		
Direct Effect (college employees)	4,495	n/a	4,495
Secondary Effects	2,160	1,095	3,255
Total Employment Supported	7,155	1,095	8,250
Tax Revenues	----- thousand \$ -----		
Sales, Property, Personal Income, Other	6,700.5	4,040.5	10,741.0

Table 2 (cont.) Economic Effects, North Dakota State University, FY2020 and FY2021.

Economic Metric and Type of Effect	Operations	Student Expenditures	Total
FY2021			
Business Volume (output)	----- million \$ -----		
Direct Effect	509.2	149.0	658.2
Secondary Effects	426.0	158.3	584.3
Total (direct and secondary) Effects	935.2	307.3	1,242.5
Employment	----- jobs -----		
Direct Effect (college employees)	4,819	n/a	4,819
Secondary Effects	2,649	1,053	3,702
Total Employment Supported	7,468	1,053	8,521
Tax Revenues	----- thousand \$ -----		
Sales, Property, Personal Income, Other	7,107.5	3,933.0	11,040.5

¹Total expenditures reported in Table 1 do not sum to direct economic effects. Expenditures for scholarships are excluded from direct effects from operations and expenditures for capital equipment are included in operations expenditures. Effects for scholarships are captured in the assessment of student expenditures. Most capital equipment expenditures are for computers and other equipment needed for operations.



Summary Findings

The NDUS colleges and universities receive revenues from state appropriated funds, state grants, federal grants, and from private grants, contracts, and donations. These revenues support expenditures for wage and salaries, operating expenditures, scholarships, and capital improvements. University expenditures and student spending support economic activity that enhance local and state economies. North Dakota's universities and colleges and their students have positive effects on the state economy and local economies.

- North Dakota State University had expenditures of \$538.4 million for operational goods and services in North Dakota in FY2021.
- Wages, salaries, and benefits represent the largest itemized expenditure in FY2021, \$284.7 million, 53 percent of total expenditures.
- Non-general Funds accounted for 74 percent of North Dakota State University expenditures in FY2021.
- North Dakota State University leveraged \$2.91 from external sources for every dollar of state appropriated funds in FY2021.
- In FY2021, direct economic effects from North Dakota State University operations were \$509.2 million. Total (direct and secondary) economic effects were \$935.2 million.
- In FY2021, economic effects of student living expenses resulted in \$149.0 million in direct effects and \$158.3 million in secondary effects, for total direct and secondary effects of \$307.3 million.
- North Dakota State University student expenditures in FY2021 were estimated to be approximately \$13,723 per student.
- Combined, North Dakota State University operations and student expenditures (direct effects) in FY2021 was \$658.2 million. Total economic contribution (direct plus secondary) from NDSU operations and student expenditures was \$1.24 billion.
- Seventy-five percent of total (direct and secondary) economic effects from North Dakota State University operations were a result of Non-general Fund expenditures.
- North Dakota State University in-state expenditures, student expenditures, and subsequent secondary business activity was estimated to generate \$11.0 million in state and local tax collections.
- Direct employment at North Dakota State University was 4,819 jobs in FY2021. Business activity from North Dakota State University expenditures and spending by students supported secondary employment of 3,702 jobs. Total direct and secondary employment was 8,521 jobs in FY2021.