

City Sales as Indicated by Sales Tax Diamondhead, MS

June 2020 - May 2021

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These profiles are designed to provide a sense of the changes in sales subject to sales and use tax in Mississippi counties and municipalities during the COVID 19 pandemic. In addition, we estimate the fiscal effects for state and local tax revenues, sales tax diversion effects for Mississippi municipalities, and the fiscal effects of federal tax revenues as a result of changes in sales subject to sales and use tax for two selected sectors.

Data to estimate these changes in sales were obtained from the Mississippi Department of Revenue's Sales Indicated by Gross Sales Tax Collections, reported by County, City and Industry Group monthly statistics reports (<https://www.dor.ms.gov/Statistics/Pages/Monthly-Statistics.aspx>). It should be noted that these data have not been reconciled by the Department of Revenue, but are aggregated from reports submitted by organizations that collect sales tax from across the state on an "as is" basis. As such, the data contained in these monthly reports will likely not sum to the annual report provided by the Department of Revenue.

Even though these are not final data, we feel that the identification of trends in sales and the collection of sales could be valuable to the leaders of Mississippi's counties and municipalities. This Report uses data from June 2020 (the month that the majority of businesses were affected by the pandemic) through May 2021 (the most current data available).

These profiles are organized in the following manner:

- The first set of graphs and tables provide the levels of sales and sales tax collected for the total sales subject to sales tax, as well as the levels of sales and sales tax collected for the retail sector and the accommodation and food services sector. Statistics for these sectors were provided due to their importance to the level of sales tax collected and the level of sales tax diversions remitted to Mississippi municipalities.
- The economic impact of the change in sales in the combined retail sales and accommodation and food services sectors is then estimated to provide community leaders with an estimate of the "spillover costs" or, in some cases, "spillover benefits" that occur as a result of the pandemic.
 - The change in sales is estimated by subtracting the average sales of a particular month(s) for the past three years from the current month(s). For example, the estimate for the change in the level of sales in April 2020 is the sales for these sectors in April 2020 minus the average of sales for these sectors in April 2017, April 2018, and April 2019.
 - The change in sales estimates are used in county-specific IMPLAN® models (see the Data Key at the end of this publication for an explanation) to estimate direct, indirect, and induced spillover effects resulting from this shock to the economy. In addition, the state and local, as well as the federal, fiscal effects of the change in sales will be presented.
 - An estimate of the change in the level of diversions provided to Mississippi municipalities will also be presented as a part of the municipalities' profiles. These estimated diversions are calculated by multiplying the change in sales tax by 18.5 percent (the level of sales tax diversion provided to municipalities).

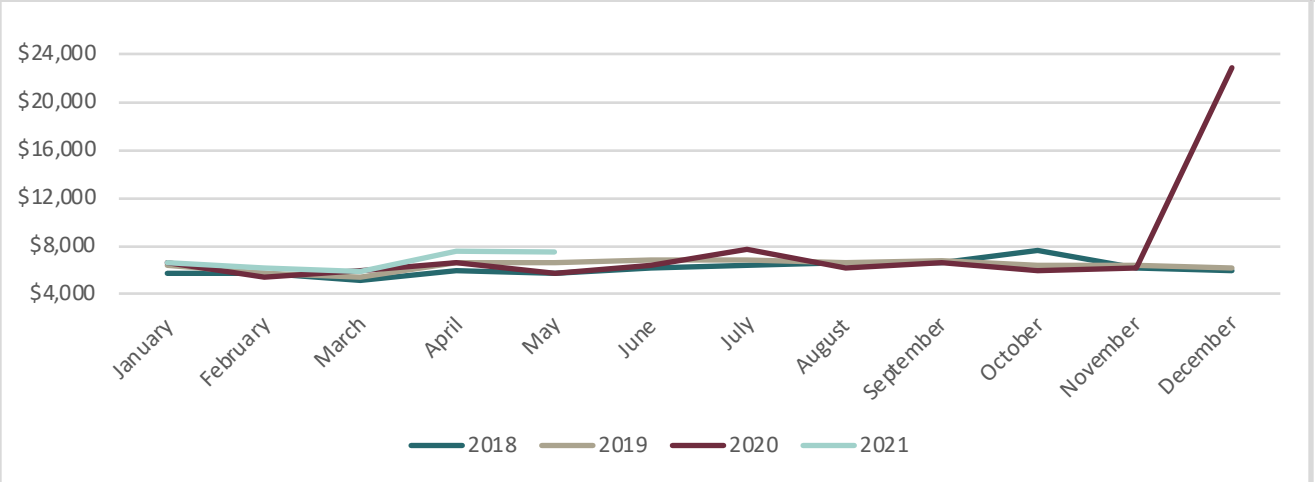
Total Sales as Indicated by Sales Tax (\$000s)

Month	2018	2019	2020	2021
January	\$5,787	\$6,451	\$6,563	\$6,644
February	\$5,585	\$5,740	\$5,369	\$6,100
March	\$5,099	\$5,370	\$5,810	\$5,843
April	\$6,022	\$6,613	\$6,584	\$7,535
May	\$5,670	\$6,523	\$5,695	\$7,467
June	\$6,147	\$6,723	\$6,419	
July	\$6,357	\$6,726	\$7,625	
August	\$6,651	\$6,678	\$6,199	
September	\$6,543	\$6,745	\$6,655	
October	\$7,600	\$6,254	\$5,958	
November	\$6,227	\$6,382	\$6,194	
December	\$6,000	\$6,187	\$22,850	

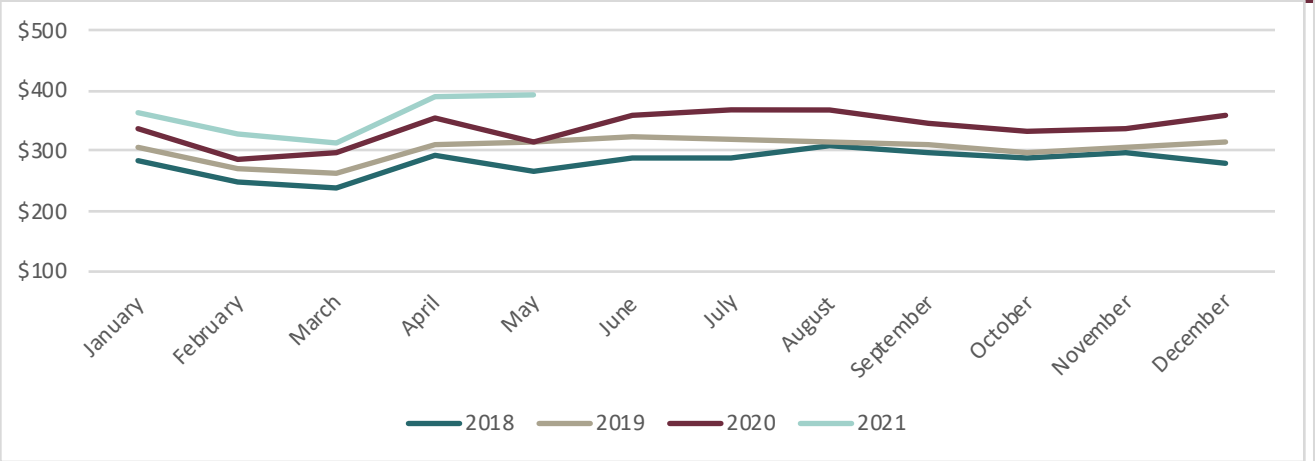
Total Sales Tax Collected (\$000s)

Month	2018	2019	2020	2021
January	\$285	\$308	\$338	\$363
February	\$247	\$269	\$286	\$328
March	\$238	\$263	\$295	\$313
April	\$293	\$312	\$353	\$389
May	\$267	\$316	\$315	\$393
June	\$288	\$323	\$358	
July	\$289	\$321	\$368	
August	\$308	\$315	\$367	
September	\$298	\$309	\$344	
October	\$287	\$296	\$334	
November	\$297	\$304	\$339	
December	\$279	\$316	\$360	

Diamondhead Total Sales (\$000s)



Diamondhead Total Sales Tax (\$000s)



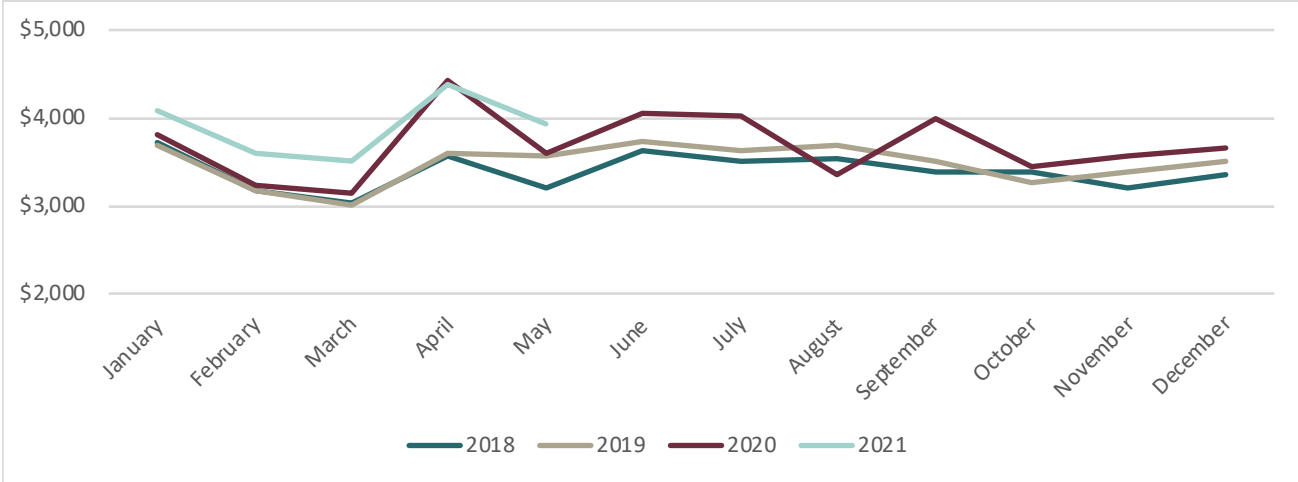
Retail Sector Sales as Indicated by Sales Tax (\$000s)

Month	2018	2019	2020	2021
January	\$3,719	\$3,685	\$3,803	\$4,091
February	\$3,173	\$3,174	\$3,227	\$3,611
March	\$3,030	\$3,006	\$3,142	\$3,508
April	\$3,569	\$3,607	\$4,426	\$4,379
May	\$3,211	\$3,553	\$3,589	\$3,939
June	\$3,627	\$3,731	\$4,046	
July	\$3,512	\$3,627	\$4,006	
August	\$3,536	\$3,684	\$3,345	
September	\$3,390	\$3,509	\$3,990	
October	\$3,386	\$3,268	\$3,431	
November	\$3,202	\$3,395	\$3,567	
December	\$3,364	\$3,500	\$3,659	

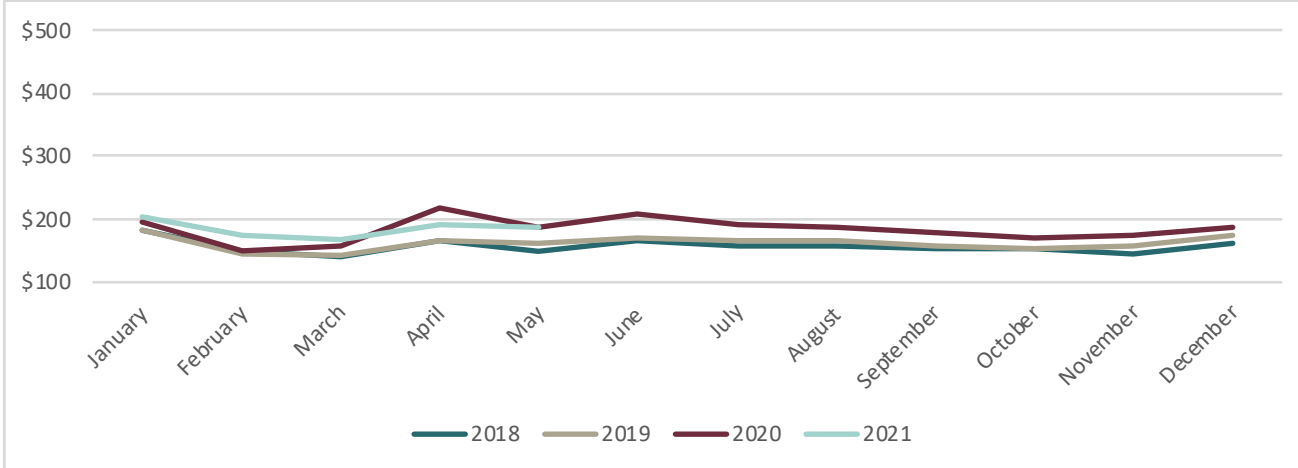
Retail Sector Sales Tax Collected (\$000s)

Month	2018	2019	2020	2021
January	\$182	\$183	\$194	\$204
February	\$149	\$146	\$150	\$173
March	\$140	\$143	\$156	\$168
April	\$166	\$167	\$218	\$189
May	\$147	\$162	\$189	\$185
June	\$165	\$172	\$210	
July	\$159	\$167	\$193	
August	\$158	\$165	\$189	
September	\$152	\$158	\$178	
October	\$154	\$154	\$172	
November	\$145	\$159	\$176	
December	\$160	\$173	\$187	

Diamondhead Retail Sector Sales (\$000s)



Diamondhead Retail Sector Sales Tax (\$000s)



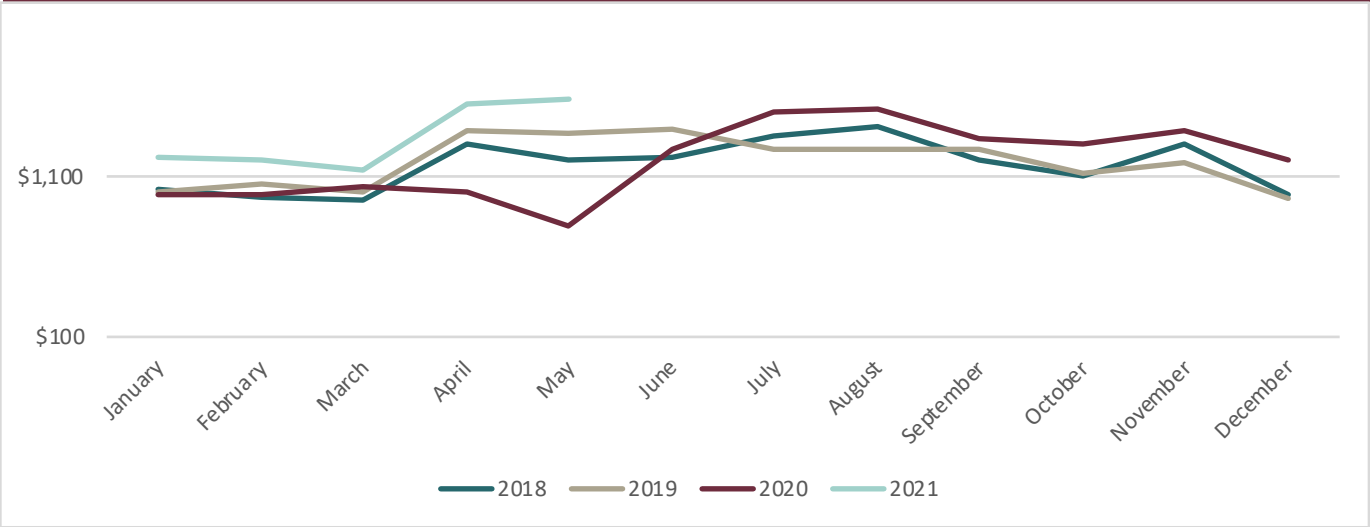
**Food Service and Accommodations Sector Sales
Subject to Sales Tax (\$000s)**

Month	2018	2019	2020	2021
January	\$1,028	\$998	\$991	\$1,216
February	\$968	\$1,056	\$984	\$1,209
March	\$953	\$1,008	\$1,041	\$1,139
April	\$1,307	\$1,386	\$998	\$1,550
May	\$1,201	\$1,373	\$791	\$1,581
June	\$1,213	\$1,394	\$1,263	
July	\$1,353	\$1,270	\$1,504	
August	\$1,411	\$1,274	\$1,520	
September	\$1,207	\$1,266	\$1,330	
October	\$1,110	\$1,123	\$1,295	
November	\$1,296	\$1,183	\$1,384	
December	\$980	\$963	\$1,210	

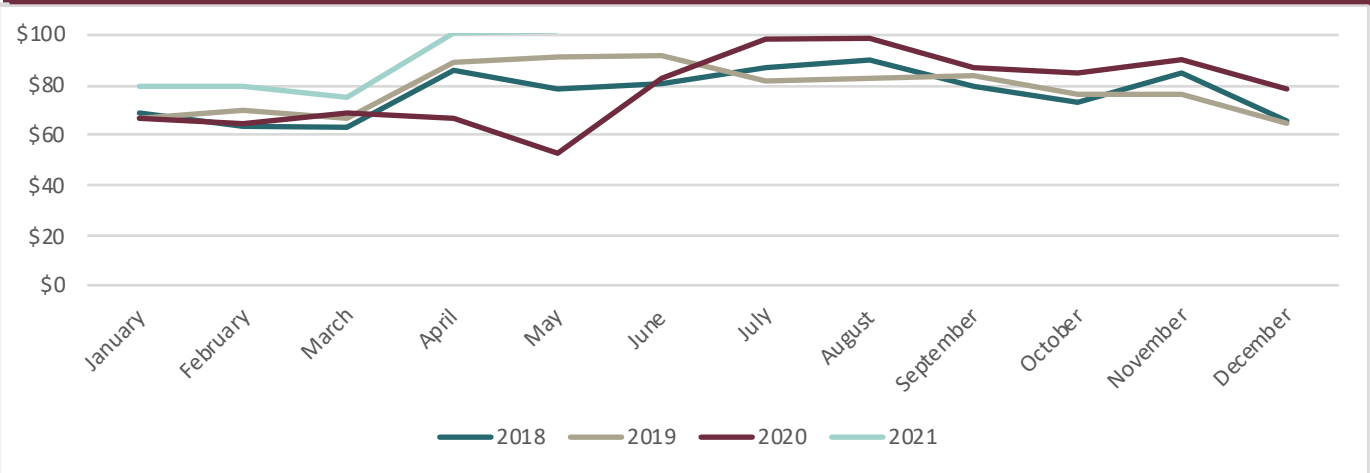
**Food Service and Accommodations Sector Sales
Tax Collected (\$000s)**

Month	2018	2019	2020	2021
January	\$68	\$67	\$67	\$80
February	\$63	\$70	\$65	\$79
March	\$63	\$67	\$69	\$75
April	\$86	\$90	\$67	\$101
May	\$78	\$91	\$53	\$102
June	\$80	\$92	\$83	
July	\$87	\$82	\$98	
August	\$90	\$83	\$98	
September	\$80	\$83	\$87	
October	\$73	\$76	\$84	
November	\$85	\$77	\$90	
December	\$66	\$65	\$78	

Diamondhead Food Service and Accommodations Sector Sales (\$000s)



Diamondhead Food Service and Accommodations Sector Sales Tax (\$000s)



Estimated Change in Sales

	Sales JUN20 - MAY21	Average Sales* June - May	Change in Sales
Agriculture, Forestry, Fishing and Hunting	\$0	\$0	\$0
Mining, Quarrying, and Oil and Gas Extraction	\$0	\$0	\$0
Utilities	\$0	\$6,549,372	(\$6,549,372)
Construction	\$3,015,696	\$2,379,784	\$635,912
Manufacturing	\$18,500,000	\$1,704,628	\$16,792,540
Wholesale Trade	\$419	\$38,738	(\$38,319)
Retail Trade	\$45,300,000	\$40,400,000	\$4,870,084
Transportation and Warehousing	\$0	\$0	\$0
Information	\$2,714,722	\$1,821,483	\$893,239
Finance and Insurance	\$0	\$0	\$0
Real Estate and Rental and Leasing	\$74,070	\$21,099	\$52,971
Professional, Scientific, and Technical Services	\$0	\$0	\$0
Management of Companies and Enterprises	\$0	\$0	\$0
Admin/Support/Waste Mgt & Remediation Svcs	\$557,407	\$442,274	\$115,133
Educational Services	\$0	\$0	\$0
Health Care and Social Assistance	\$0	\$0	\$0
Arts, Entertainment, and Recreation	\$491,104	\$403,404	\$87,700
Accommodation and Food Services	\$14,900,000	\$14,000,000	\$868,997
Other Services (except Public Administration)	\$1,570,258	\$1,384,941	\$185,317
Public Administration	\$0	\$0	\$0
Change in Total of Sector Sales	\$87,123,676	\$69,145,722	\$17,914,202

*Average Sales is calculated as the sum of average monthly sales for the three previous years.

Economic Impact Summary from Change in Total of Sector Sales (IMPLAN)

Impact Type	Employment	Labor Income	Total Value Added	Output
Direct Effect	111.6	\$4,086,183	\$5,889,303	\$17,033,529
Indirect Effect	3.4	\$134,459	\$261,731	\$511,831
Induced Effect	0.4	\$14,563	\$23,465	\$52,998
Total Effect	115.4	\$4,235,205	\$6,174,498	\$17,598,358

Estimated Change in Municipal Sales Tax Diversions (18.5%) **\$76,835**

See explanation of Municipal Sales Tax Diversions in the Data Key.

Estimated Change in State and Local Tax from Change in Total of Sector Sales (IMPLAN)

Description	Employment Compensation	Proprietor Income	Taxes on		
			Production and Imports	Households	Corporations
Dividends	\$0	\$0	\$0	\$0	\$1,012
Social Insurance	\$359	\$0	\$0	\$0	\$0
TOPI: Sales Tax	\$0	\$0	\$415,322	\$0	\$0
TOPI: Property Tax	\$0	\$0	\$396,699	\$0	\$0
TOPI: Other Tax	\$0	\$0	\$60,295	\$0	\$0
Corporate Profits Tax	\$0	\$0	\$0	\$0	\$13,576
Personal Taxes	\$0	\$0	\$0	\$93,732	\$0
Total State and Local Tax	\$358	\$0	\$872,316	\$93,732	\$14,588

Sales Tax Diversions and Special Levies

Diamondhead Diversions

Month	2018	2019	2020	2021
January	\$53,323	\$56,847	\$63,314	\$68,620
February	\$46,316	\$50,309	\$58,228	\$61,253
March	\$44,395	\$46,712	\$53,671	\$60,981
April	\$54,760	\$60,275	\$71,506	\$71,067
May	\$48,807	\$57,728	\$62,431	\$70,632
June	\$56,576	\$61,699	\$69,760	
July	\$52,905	\$59,667	\$70,684	
August	\$71,739	\$57,737	\$67,108	
September	\$62,159	\$56,813	\$64,801	
October	\$53,474	\$55,775	\$65,243	
November	\$58,324	\$55,583	\$67,134	
December	\$51,661	\$61,823	\$68,201	

No Special Levy

Month	2018	2019	2020	2021
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

No Special Levy

Month	2018	2019	2020	2021
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

No Special Levy

Month	2018	2019	2020	2021
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

No Special Levy

Month	2018	2019	2020	2021
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

Estimated Change in Federal Tax from Change in Total of Sector Sales (IMPLAN)

Description	Employment Compensation	Proprietor Income	Taxes on		
			Production and Imports	Households	Corporations
Social Insurance	\$545,939	\$4,630	\$0	\$0	\$0
TOPI: Taxes	\$0	\$0	\$108,053	\$0	\$0
Corporate Profits Tax	\$0	\$0	\$0	\$0	\$29,883
Personal Tax: Income Tax	\$0	\$0	\$0	\$221,363	\$0
Total Federal Tax	\$545,939	\$4,630	\$108,053	\$221,363	\$29,883

DATA Key

Total Sales as Indicated by Sales Tax

North American Industrial Classification Sectors (NAICS) sectors included in the “Total Sales as Indicated by Sales Tax” statistics include: Sector 11 – *Agriculture, Forestry, Fishing and Hunting* ; Sector 21 – *Mining, Quarrying, and Oil and Gas Extraction* ; Sector 22 – *Utilities* ; Sector 23 – *Construction* ; Sector 31-33 – *Manufacturing* ; Sector 42 – *Wholesale Trade* ; Sector 44-45 – *Retail Trade* ; Sector 48-49 – *Transportation and Warehousing* ; Sector 51 – *Information* ; Sector 52 – *Finance and Insurance* ; Sector 53 – *Real Estate and Rental and Leasing* ; Sector 54 – *Professional, Scientific, and Technical Services* ; Sector 55 – *Management of Companies and Enterprises* ; Sector 56 – *Administrative and Support and Waste Management and Remediation Services* ; Sector 61 – *Educational Services* ; Sector 62 – *Health Care and Social Assistance* ; Sector 71 – *Arts, Entertainment, and Recreation* ; Sector 72 – *Accommodation and Food Services* ; Sector 81 – *Other Services (Except Public Administration)* ; and Sector 92 – *Public Administration* .

Retail Sector Sales

Retail Sector Sales includes NAICS Sector 44-45 – Retail Trade.

Accommodation and Food Service Sector Sales

Accommodation and Food Services Sector Sales includes NAICS Sector 72 – Accommodation and Food Services.

Estimated Change in Sales

To determine the economic impact of changes in specific sector sales, the average monthly sales by sector (using sales from the thirty-six months prior to the study time frame) was subtracted from the sales for that sector in the study time frame. For this publication, each month’s sector sales from April 2018 through March 2020 were averaged and subtracted from sector sales occurring in the April 2020 through March 2021 time period to obtain the Change in Sales estimate. The estimated changes in sales for all sectors were summed to obtain the estimate for the change in Total of Sector Sales.

Municipalities are assigned to the county in which the largest proportion of the municipality’s population resides (e.g., while the city of Jackson lies in Hinds, Madison, and Rankin Counties, Jackson was “assigned” to Hinds County because the majority of its population resides in Hinds County).

If the change in sales is negative, this indicates that the sales for the specific geographic area fall below expected values when using the previous three years as a benchmark. If the change in sales is positive, then the sales for the specific geographic area is greater than what would have been expected when using the three previous years as a benchmark.

Estimated Change in Municipal Sales Tax Diversions

Municipalities receive 18.5 percent of sales tax collected within their boundaries from the Mississippi Department of Revenue that can be used in the general budget (counties are not eligible for this allocation). The estimated change in the municipal sales tax diversion is calculated as 18.5 percent of the change in Taxes on Production and Imports: Sales Tax estimated in the Estimated Change in State and Local Tax from Change in Total of Sector Sales table.

Economic Impact Summary from Change in Total of Sector Sales

The estimated changes in specific sectors (Retail Sector, Food Services Sector, and Accommodation Services Sector) was applied to a county-specific IMPLAN® input-output model to estimate the economic impacts and fiscal (tax) effects that result from the change in retail sales for the retail sector and accommodation and food services sector. The input-output model estimates direct, indirect, and induced effects for employment, labor income, total value added, and output. These terms are defined below:

Direct Effects — represent the initial change to industries considered relevant to the VA dataset.

Industries used include *Retail – Miscellaneous store retailers* (IMPLAN® Sector 412), *Hotels and motels, including casino hotels* (IMPLAN® Sector 507), and *Limited-service restaurants* (IMPLAN® Sector 510).

Indirect Effects — represent changes in inter-industry transactions when supplying industries respond to demand changes from directly affected industries (the direct effects above).

Induced Effects — represent changes in local spending that result from income changes to employees in the directly and indirectly affected industry sectors.

Employment — annual average of monthly jobs in the industry. A job can be either part-time or full-time, and a person can hold more than one job (the employment or job count is not necessarily the same as the count of employed persons).

Labor Income — all forms of employment income, including employee compensation (wages and benefits) and proprietor income.

Value Added — represents the difference between an industry's total output and the cost of its intermediate inputs (gross outputs (sales or receipts plus other operating income plus inventory change) minus intermediate inputs (consumption of goods and services purchased from other industries or imported).

Output — represents the value of production by an industry in a calendar year.

It should be noted that if the total estimated change in sector sales is negative, then the economic impacts of this shock to the local economy will be negative as well.

Estimated Change in State and Local Tax from Change in Total of Sector Sales

Estimated Change in Federal Tax from Change in Total of Sector Sales

IMPLAN® provides estimates of the fiscal (tax) effects for state and local taxes as well as federal taxes that result from a shock to the local economy. Summaries of these fiscal effects are presented by tax type (*Dividends, Social Insurance, Taxes on Production and Imports (TOPI): Sales Tax, TOPI: Property Tax, TOPI: Other Tax, Corporate Profits Tax, and Personal Taxes by taxpayer (Employee Compensation, Proprietor Income, TOPI, Households, and Corporations)*).

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By **Alan Barefield**, Extension Professor, Department of Agricultural Economics, **Emily V. Durr**, Student Assistant, Department of Agricultural Economics, and **William A. Sims**, Extension Apprentice, Department of Agricultural Economics.

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