

Health Care Spending, Prices, and Utilization in Minnesota: 2017 to 2021

SUPPLEMENT

DECEMBER 2023

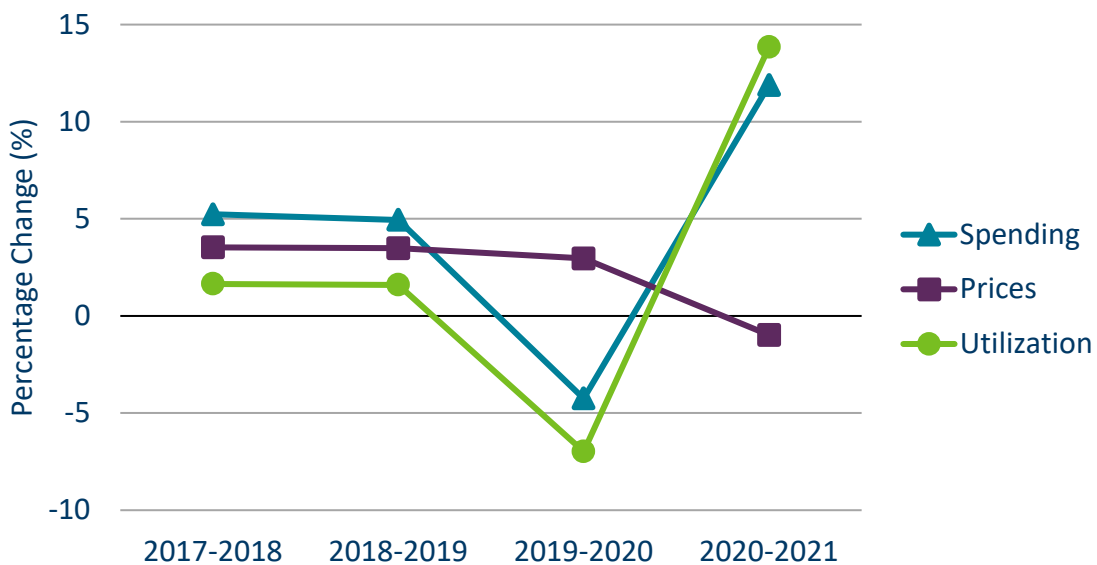


Exhibit S-1: Cumulative Percentage Change in Health Care Spending, Prices, and Utilization, 2017 to 2021

Year	Spending	Prices	Utilization
2017	N/A	N/A	N/A
2018	5.2%	3.5%	1.7%
2019	10.4%	7.2%	3.3%
2020	5.7%	10.4%	-3.8%
2021	18.3%	8.9%	9.2%

Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-2: Year-Over-Year Percentage Change in Health Care Spending, Prices, and Utilization, 2017 to 2021



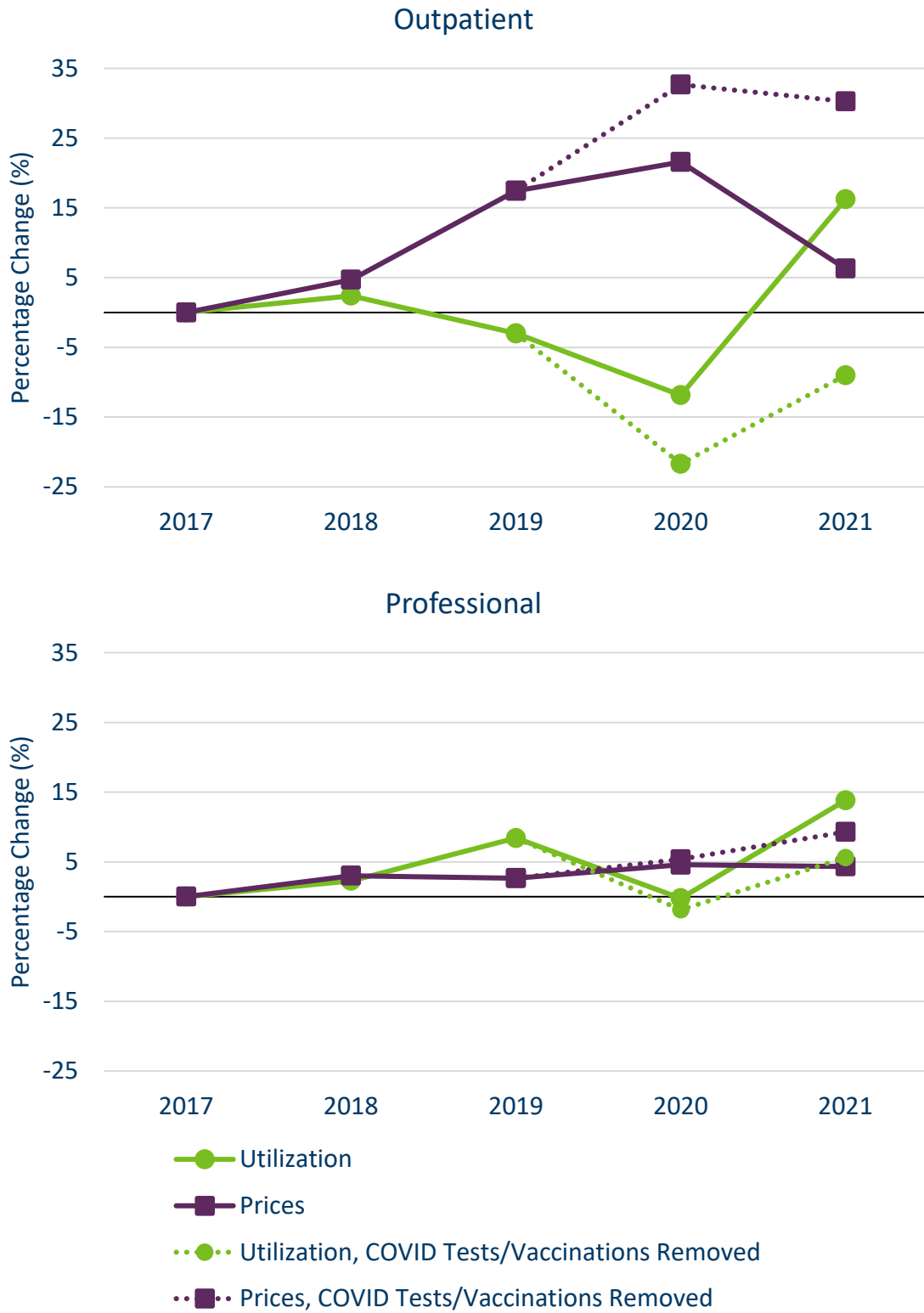
Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-3: Year-Over-Year Percentage Change in Health Care Spending, Prices, and Utilization, 2017 to 2021

Year	Spending	Prices	Utilization
2017-2018	5.2%	3.5%	1.7%
2018-2019	4.9%	3.5%	1.6%
2019-2020	-4.3%	3.0%	-7.0%
2020-2021	11.9%	-1.0%	13.8%

Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-4: Cumulative Percentage Change in Outpatient and Professional Spending, Prices, and Utilization, With and Without Codes for COVID Testing and Vaccination, 2017 to 2021



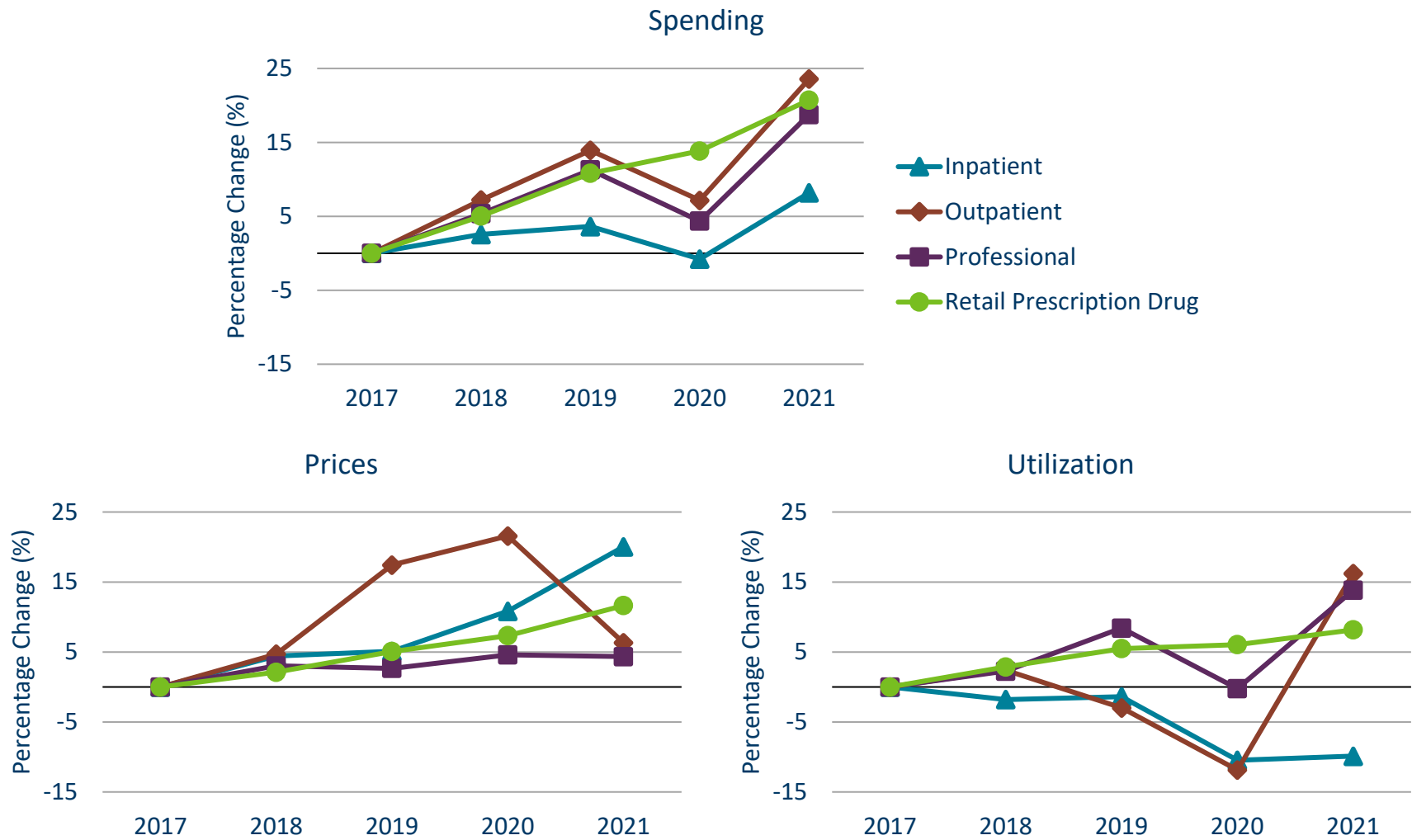
Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-5: Cumulative Percentage Change in Outpatient and Professional Spending Prices and Utilization, With and Without Codes for COVID Testing and Vaccination, 2017 to 2021

Category	2017	2018	2019	2020	2021
Utilization, Outpatient	N/A	2.40%	-2.99%	-11.86%	16.22%
Utilization, Outpatient, COVID Tests/Vaccinations Removed	N/A	N/A	N/A	-21.68%	-8.98%
Utilization, Professional	N/A	2.27%	8.41%	-0.23%	13.82%
Utilization, Professional, COVID Tests/Vaccinations Removed	N/A	N/A	N/A	-1.88%	5.60%
Price, Outpatient	N/A	4.69%	17.43%	21.58%	6.31%
Price, Outpatient, COVID Tests/Vaccinations Removed	N/A	N/A	N/A	32.67%	30.25%
Price, Professional	N/A	3.01%	2.66%	4.59%	4.33%
Price, Professional, COVID Tests/Vaccinations Removed	N/A	N/A	N/A	5.36%	9.29%

Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-6: Cumulative Percentage Change in Health Care Spending, Prices, and Utilization by Service Categoryⁱ, 2017 to 2021



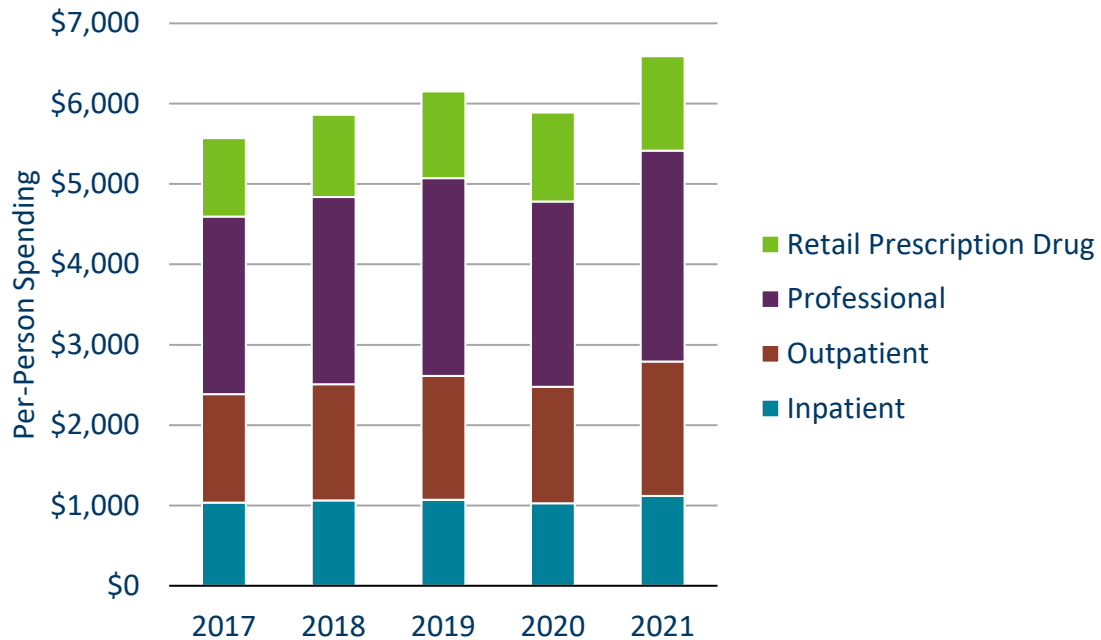
Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-7: Cumulative Percentage Change in Health Care Spending, Prices, and Utilization by Service Category, 2017 to 2021

Category	2017	2018	2019	2020	2021
Spending, Inpatient	N/A	2.6%	3.6%	-0.8%	8.2%
Spending, Outpatient	N/A	7.2%	13.9%	7.2%	23.6%
Spending, Professional	N/A	5.4%	11.3%	4.4%	18.8%
Spending, Retail Prescription Drug	N/A	5.0%	10.8%	13.8%	20.7%
Prices, Inpatient	N/A	4.4%	5.1%	10.8%	20.0%
Prices, Outpatient	N/A	4.7%	17.4%	21.6%	6.3%
Prices, Professional	N/A	3.0%	2.7%	4.6%	4.3%
Prices, Retail Prescription Drug	N/A	2.1%	5.1%	7.3%	11.6%
Utilization, Inpatient	N/A	-1.8%	-1.4%	-10.5%	-9.9%
Utilization, Outpatient	N/A	2.4%	-3.0%	-11.9%	16.2%
Utilization, Professional	N/A	2.3%	8.4%	-0.2%	13.8%
Utilization, Retail Prescription Drug	N/A	2.9%	5.5%	6.1%	8.2%

Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-8: Components of Per-Person Spending by Service Category, 2017 to 2021



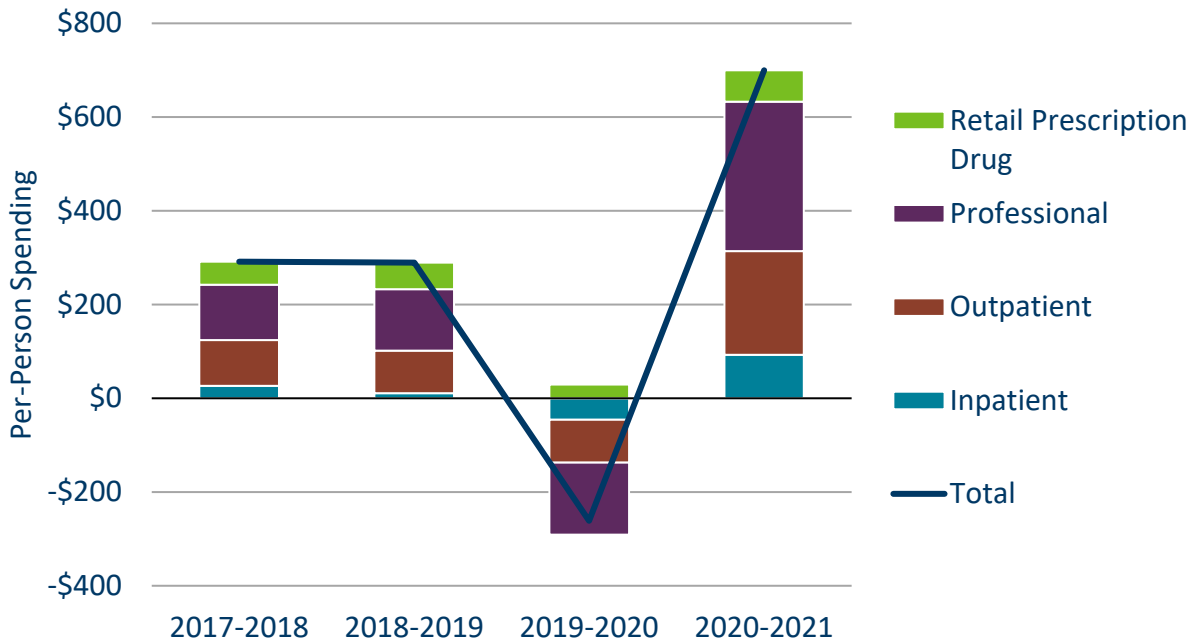
Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-9: Components of Per-Person Spending by Service Category, 2017 to 2021

Spending Category	2017	2018	2019	2020	2021
Total	\$5,570	\$5,861	\$6,151	\$5,889	\$6,589
Inpatient	\$1,035	\$1,061	\$1,072	\$1,027	\$1,119
Outpatient	\$1,352	\$1,449	\$1,540	\$1,448	\$1,670
Professional	\$2,210	\$2,329	\$2,460	\$2,307	\$2,625
Retail Prescription Drug	\$973	\$1,022	\$1,079	\$1,108	\$1,175

Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-10: Year-Over-Year Change in Per-Person Spending by Service Category, 2017 to 2021



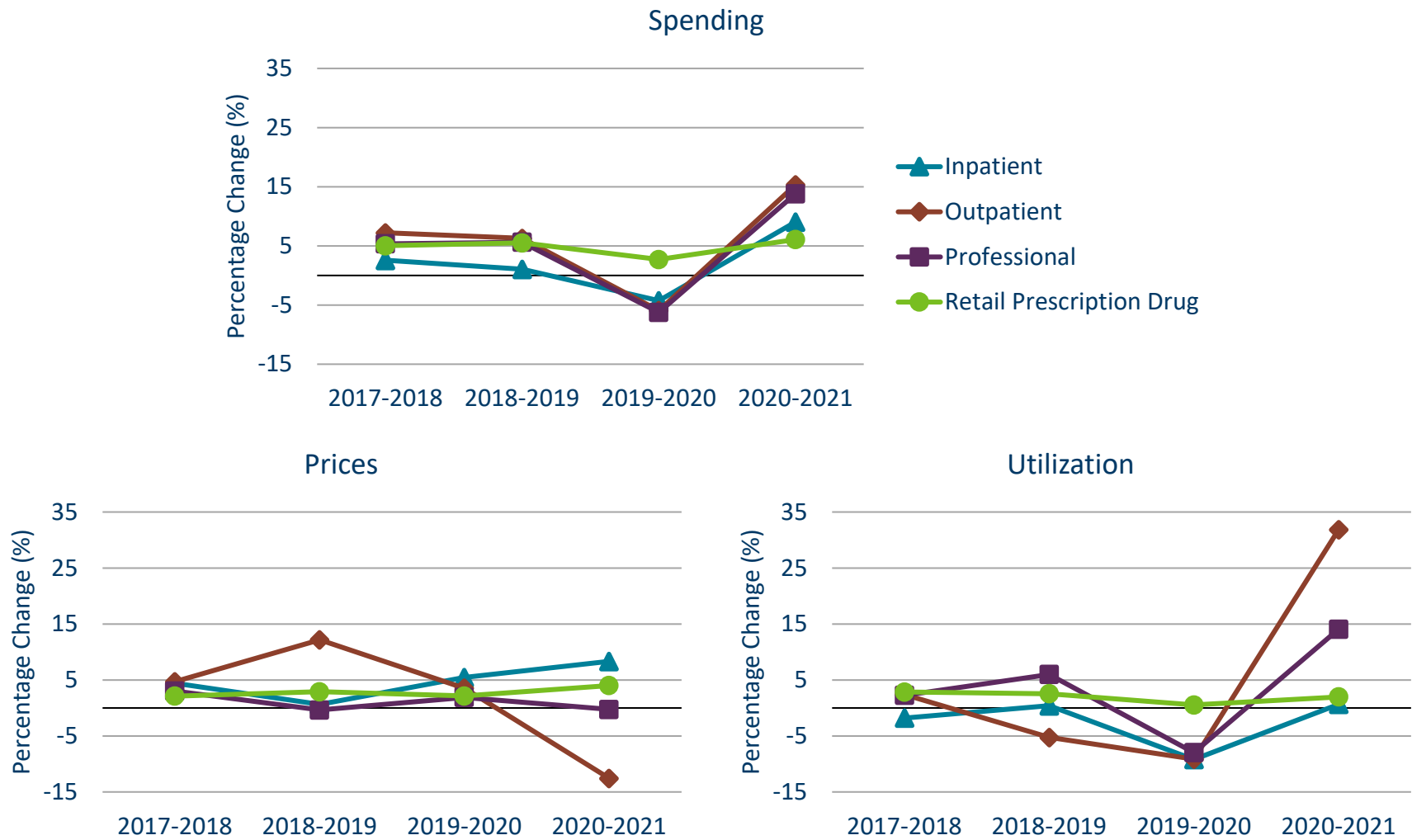
Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-11: Year-Over-Year Change in Per-Person Spending by Service Category, 2017 to 2021

Service Category	2017-2018	2018-2019	2019-2020	2020-2021
Total	\$291.34	\$289.38	-\$261.35	\$699.80
Inpatient	\$26.45	\$11.16	-\$45.70	\$92.66
Outpatient	\$97.43	\$90.81	-\$91.46	\$221.60
Professional	\$118.49	\$131.07	-\$153.45	\$318.33
Retail Prescription Drug	\$48.96	\$56.34	\$29.27	\$67.22

Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-12: Year-Over-Year Percentage Change in Per-Person Spending, Prices, and Utilization by Service Category, 2017 to 2021



Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

Exhibit S-13: Year-Over-Year Change in Per-Person Spending, Prices, and Utilization by Service Category, 2017 to 2021

Category	2017-2018	2018-2019	2019-2020	2020-2021
Spending, Inpatient	2.6%	1.1%	-4.3%	9.0%
Spending, Outpatient	7.2%	6.3%	-5.9%	15.3%
Spending, Professional	5.4%	5.6%	-6.2%	13.8%
Spending, Retail Prescription Drug	5.0%	5.5%	2.7%	6.1%
Prices, Inpatient	4.4%	0.6%	5.4%	8.3%
Prices, Outpatient	4.7%	12.2%	3.5%	-12.6%
Prices, Professional	3.0%	-0.4%	1.9%	-0.3%
Prices, Retail Prescription Drug	2.1%	2.9%	2.2%	4.0%
Utilization, Inpatient	-1.8%	0.4%	-9.2%	0.7%
Utilization, Outpatient	2.4%	-5.3%	-9.1%	31.9%
Utilization, Professional	2.3%	6.0%	-8.0%	14.1%
Utilization, Retail Prescription Drug	2.9%	2.5%	0.6%	2.0%

Source: Health Economics Program analysis of 2017 to 2021 data from the Minnesota All Payer Claims Database, Extract 25.

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ⁱ Claims for retail prescription drugs include prescriptions written by a provider and filled at a pharmacy. They do not include drugs administered by providers or over the counter medications. The prices of retail prescription drugs are recorded in MN APCD claims data before manufacturer rebates are applied, should any be available.