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OPIOID PRESCRIBING IN THE ED: A REPORT

Opioid Prescribing in the ED

- Modeled after Swedish Hospital in Colorado and Baptist Memorial Hospital in Memphis
- Analyzed over 5 months from November to March
- Converted opioids to milligram morphine equivalents (MME)
- Evaluated by month, by prescriber, and the overall trend

Equivalency Charts

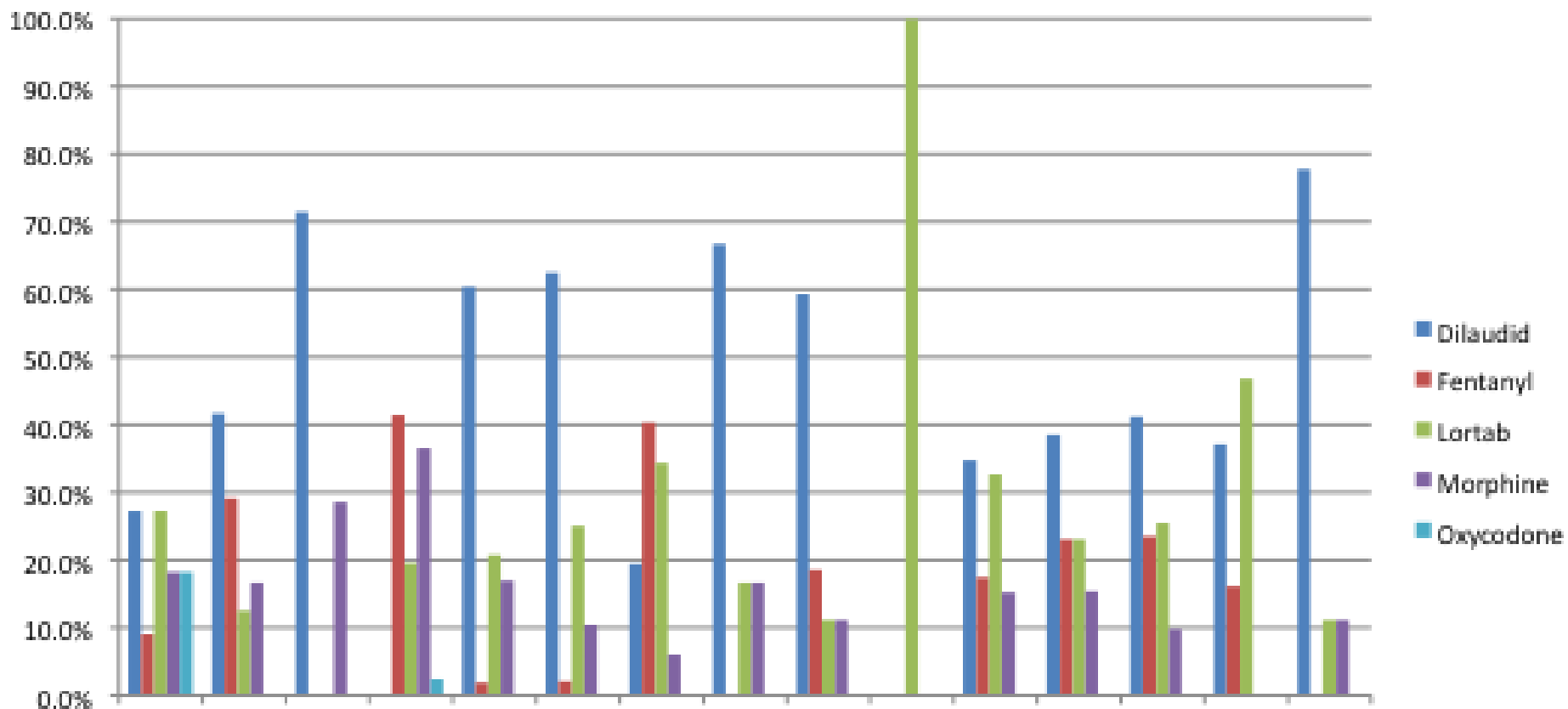
Opioids	Equivalency Factor	MME
Codeine 12 mg	0.15	1.8
Fentanyl 25 mcg	2.4	60
Fentanyl 50 mcg	2.4	120
Fentanyl 100 mcg	2.4	240
Lortab 5 mg	1	5
Lortab 10 mg	1	10
Dilaudid 0.5 mg IV	20	10
Dilaudid 1 mg IV	20	20
Dilaudid 2 mg PO	4	8
Morphine 1 mg IV	3	3
Morphine 2 mg IV	3	6
Morphine 10 mg PO	1	10
Oxycodone 5 mg	1.5	7.5
Percocet 10 mg	1.5	15

January 2018

Number of Patients Seen	2,482 patients
Number of Opioids	467 opioids
Total MMEs	19,226.5 MMEs
<u>Definition:</u> value assigned to opioids to represent their relative potencies	
Average MMEs	41.17 MMEs
Equivalent to ~4 tablets of Lortab 10 mg	
Total MMEs per Patient Seen	7.75
<u>Explanation:</u> If all 2,482 patients were prescribed an opioid, they would have received 7.75 MMEs, which is equivalent to ~Oxycodone 5 mg.	
Patients Seen per Number of Opioids	5.31
<u>Explanation:</u> For every ~5 patients seen, 1 opioid was prescribed.	

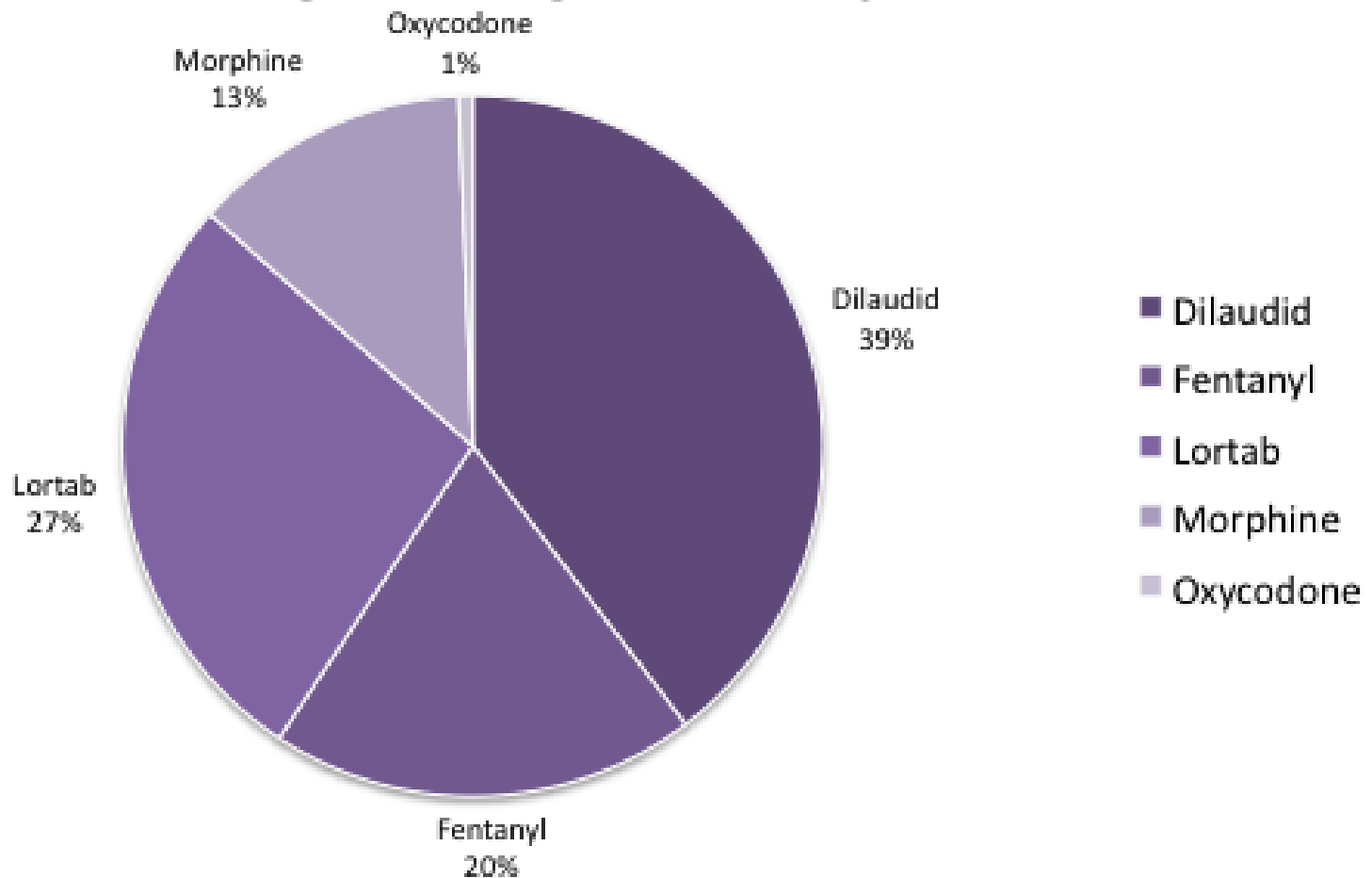
January 2018

Drug Percentage by Physician for January 2018



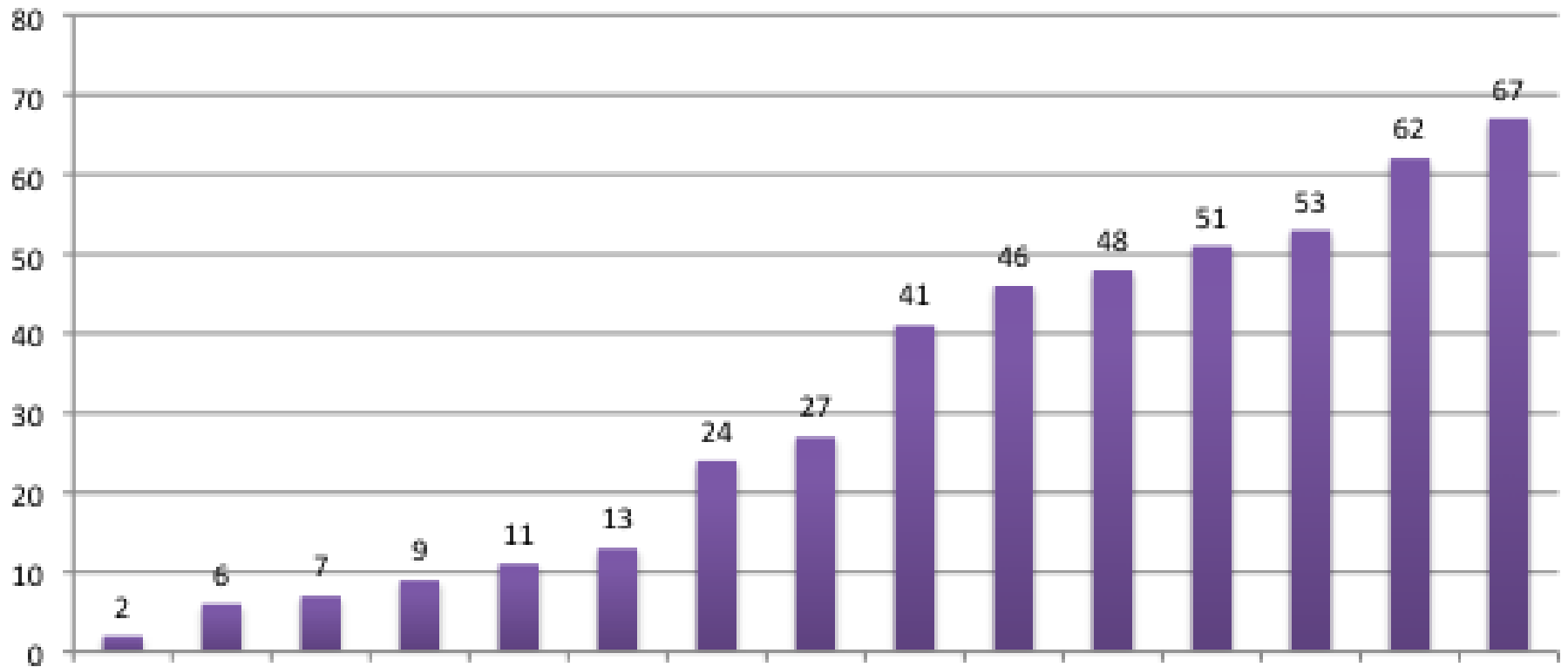
January 2018

Drug Percentage for January 2018



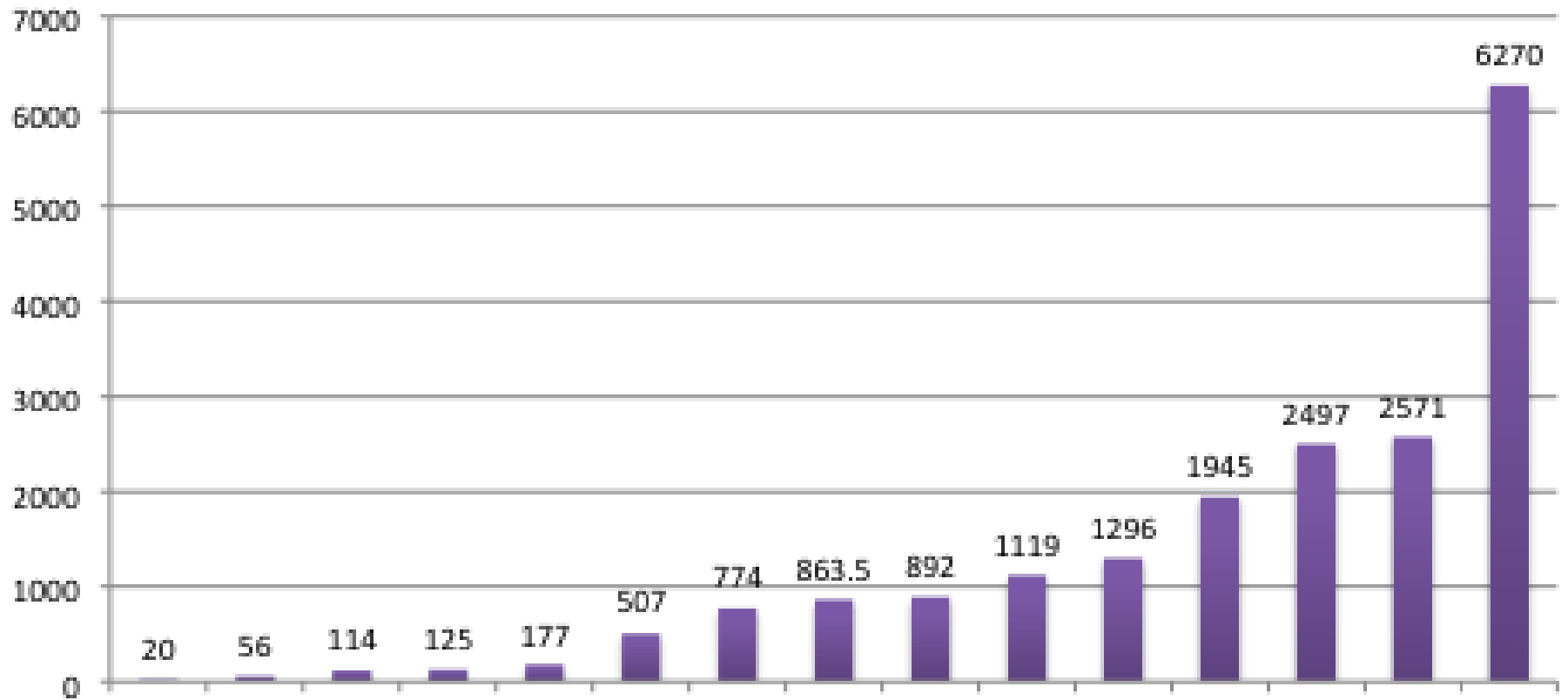
January 2018

Opioid Count for January 2018



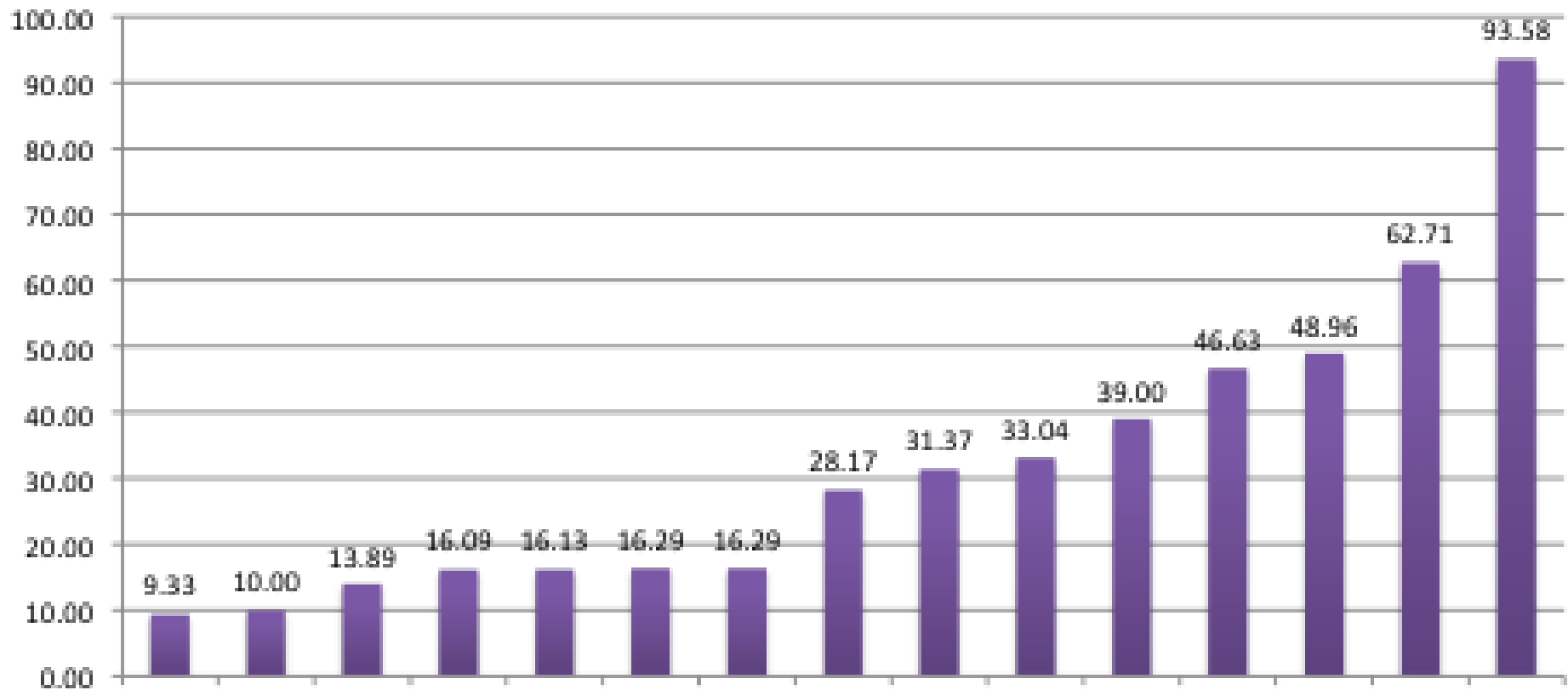
January 2018

Total MMEs for January 2018

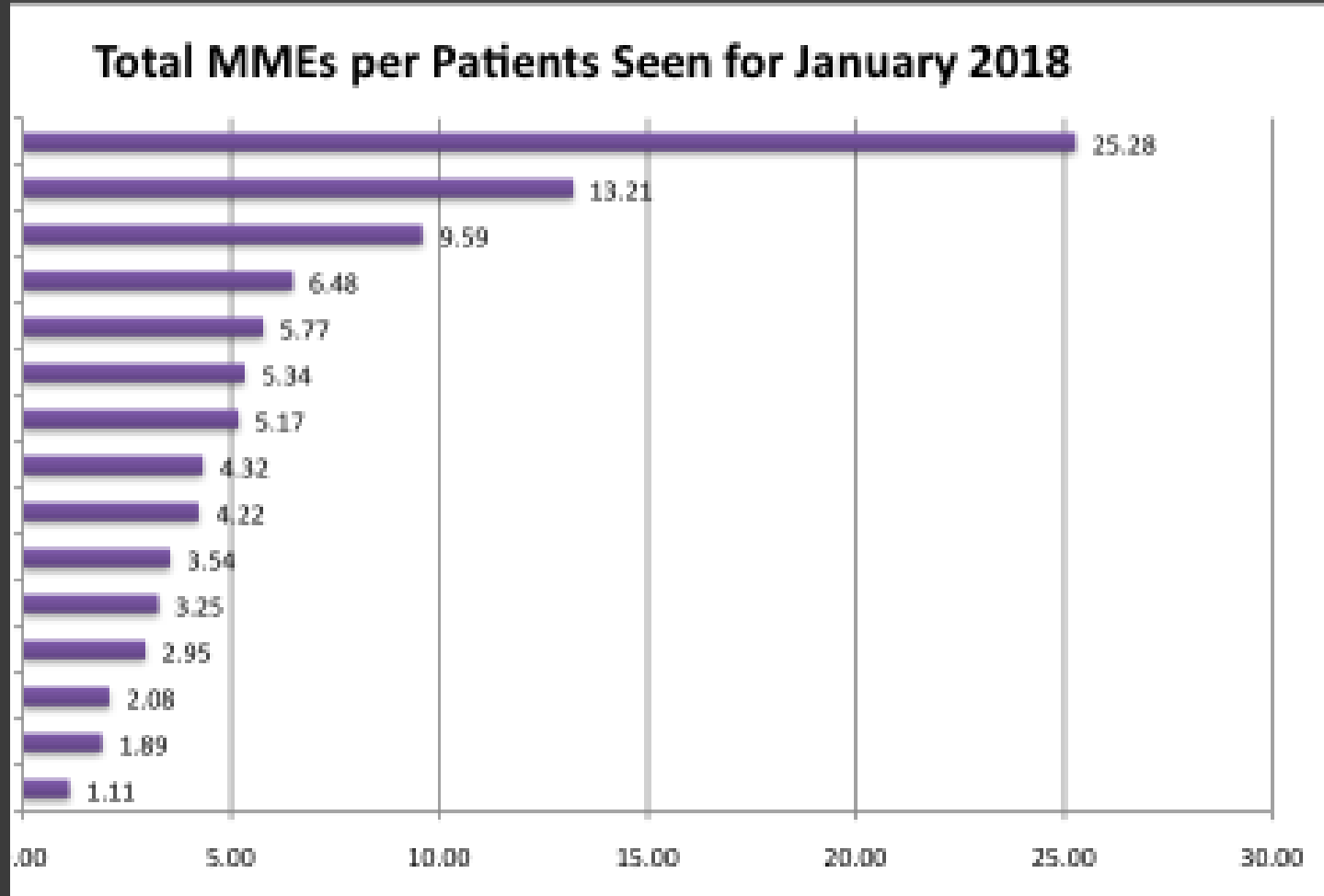


January 2018

Average MMEs for January 2018



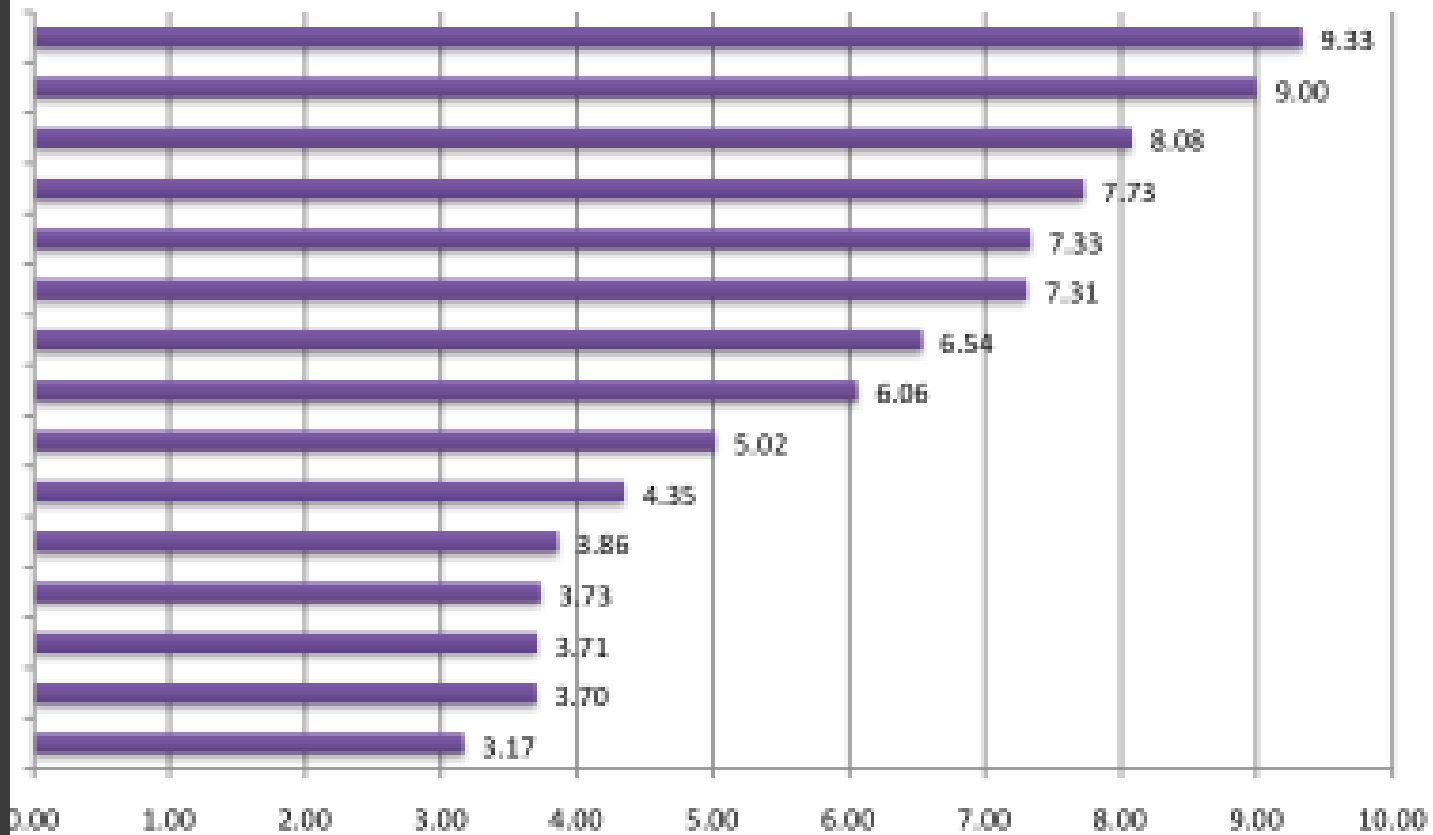
January 2018



Example: For every 248 patients that Physician “A” saw in January, they prescribed 25.28 MMEs, which is equivalent to ~Oxycodone 15 mg.

January 2018

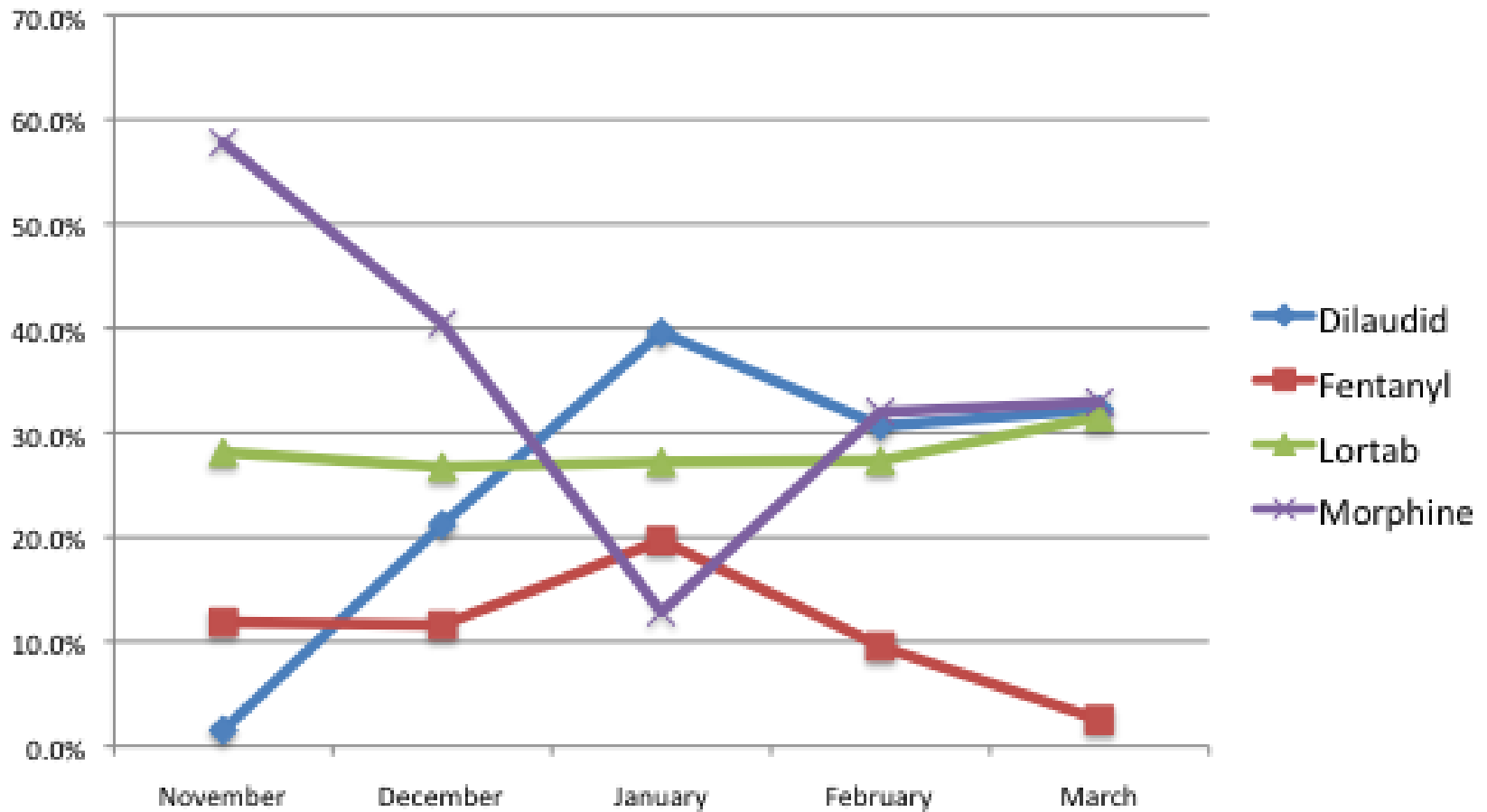
Patients Seen per Number of Opioids for January 2018



Example: For every ~6 patients seen, Physician "Z" prescribed 1 opioid.

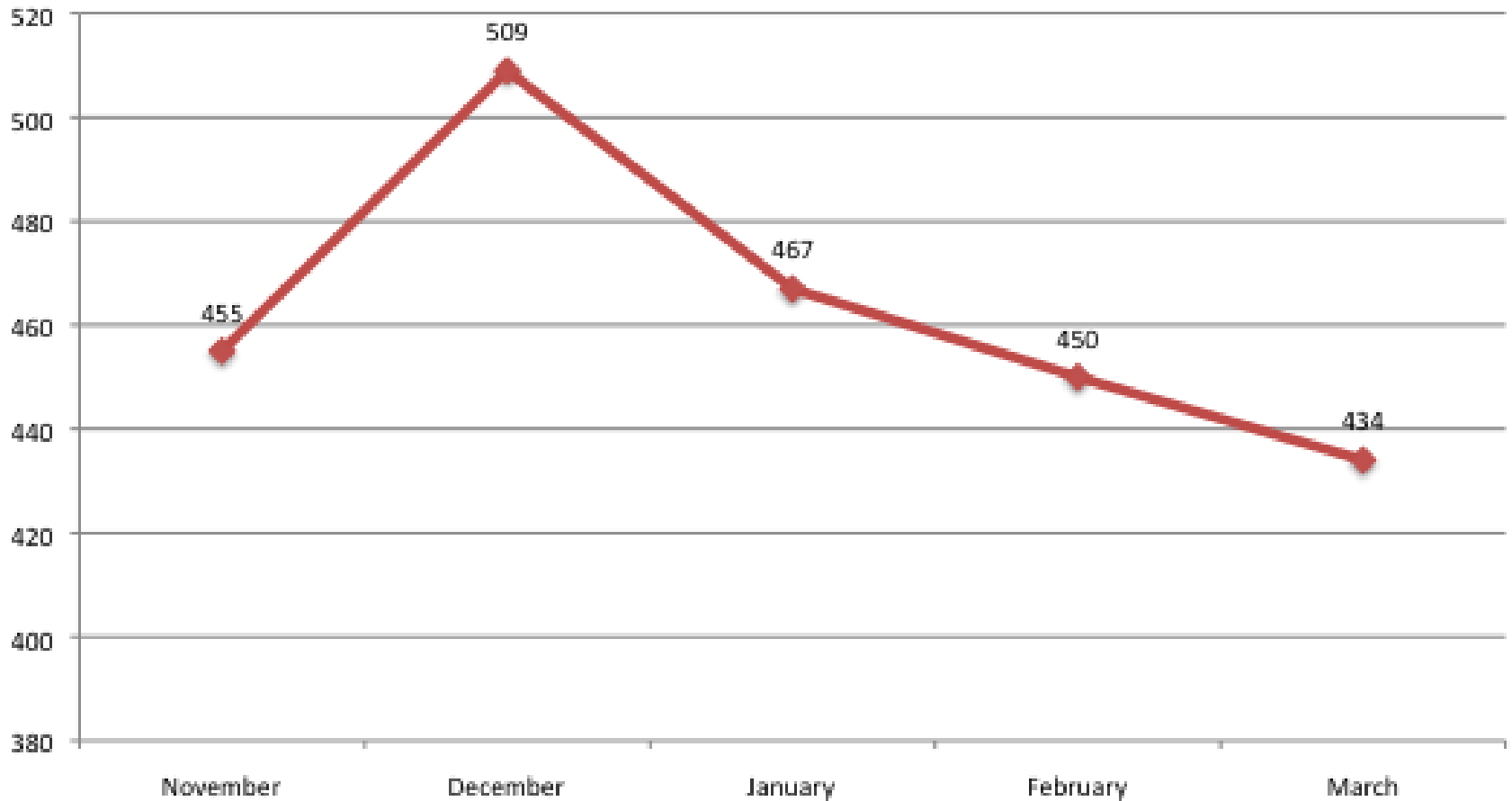
Overall Results

Overall Drug Usage for 5 Months



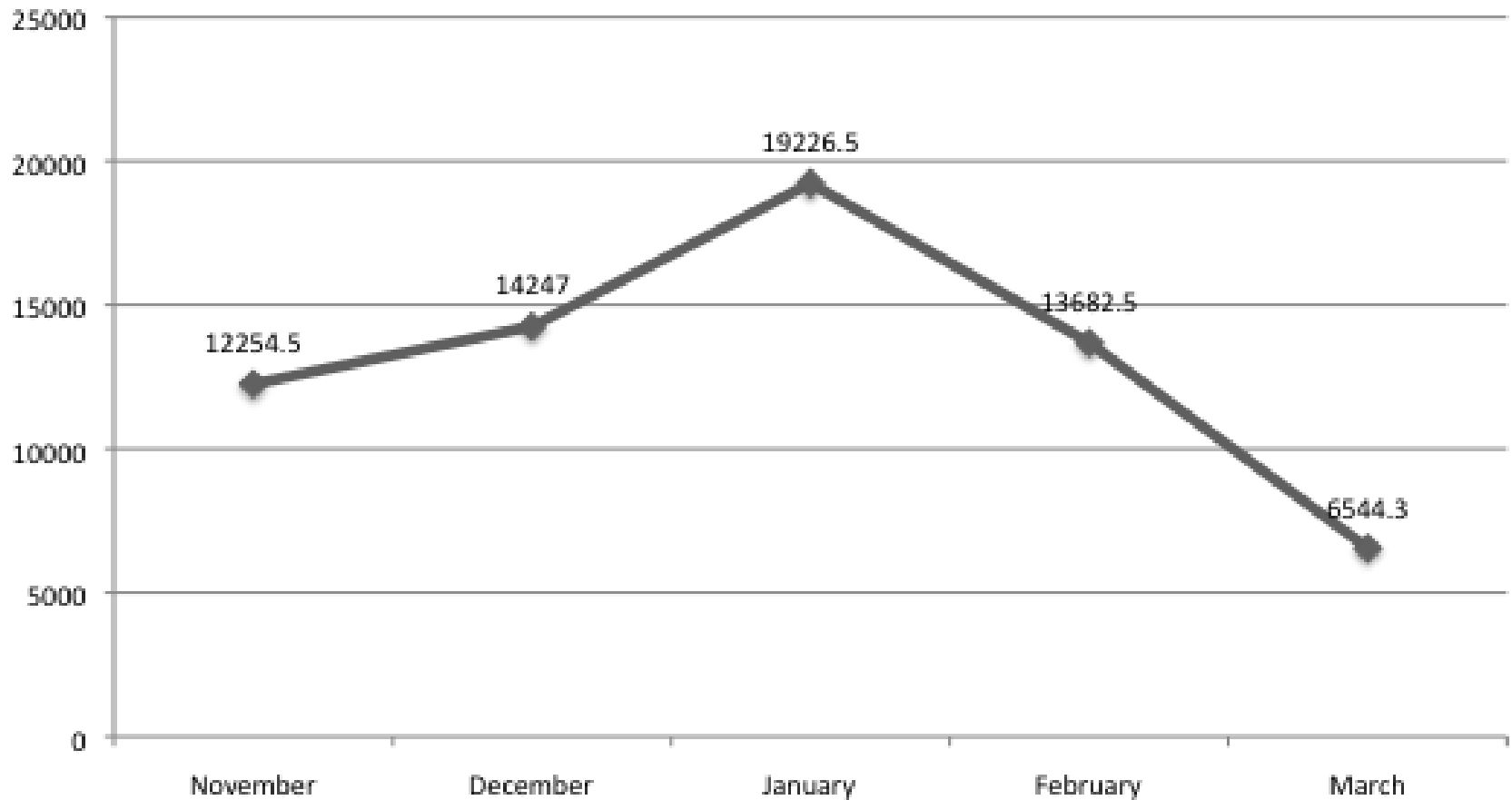
Overall Results

Overall Opioid Count for 5 Months



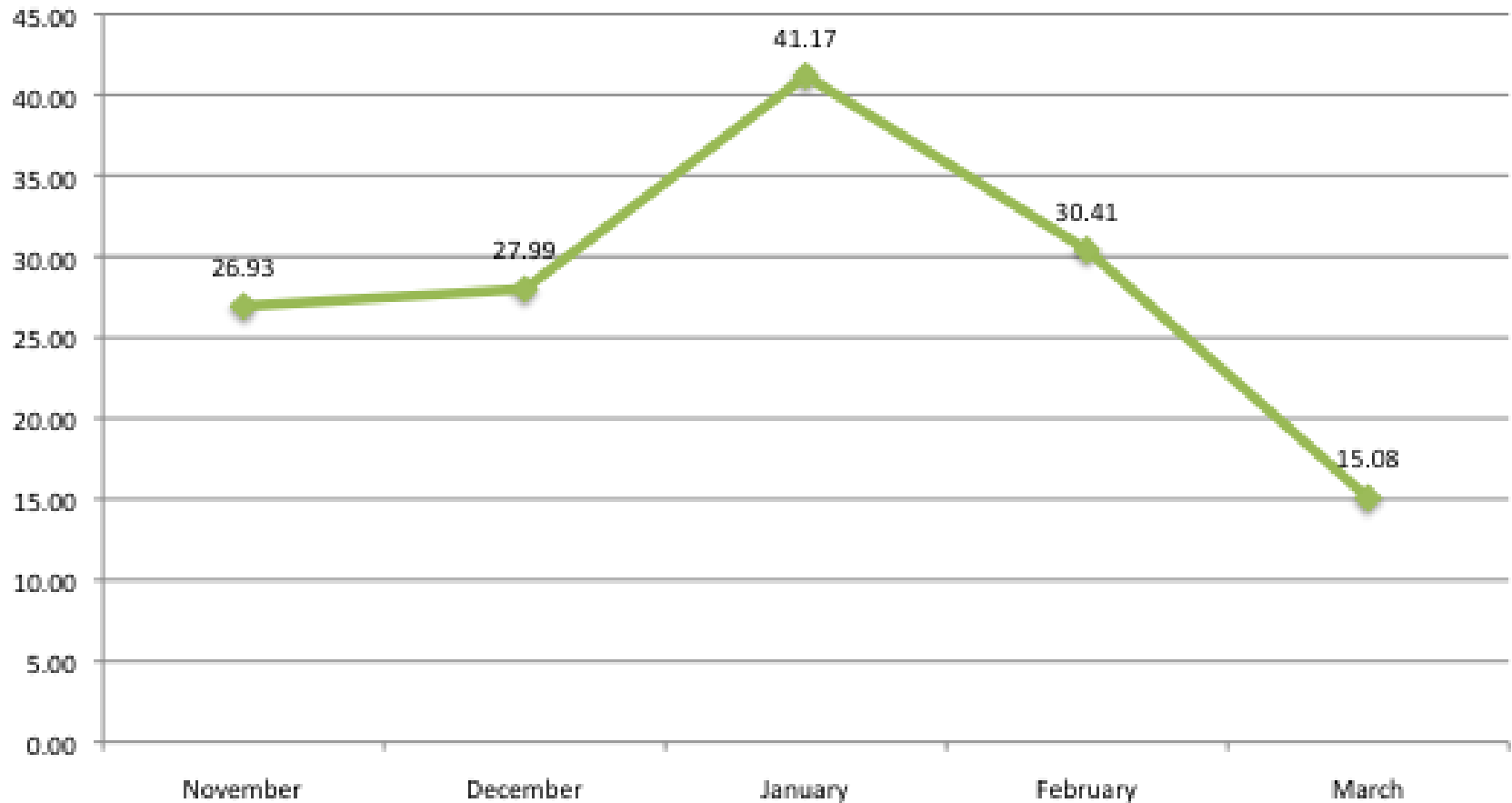
Overall Results

Overall Total MMEs for 5 Months



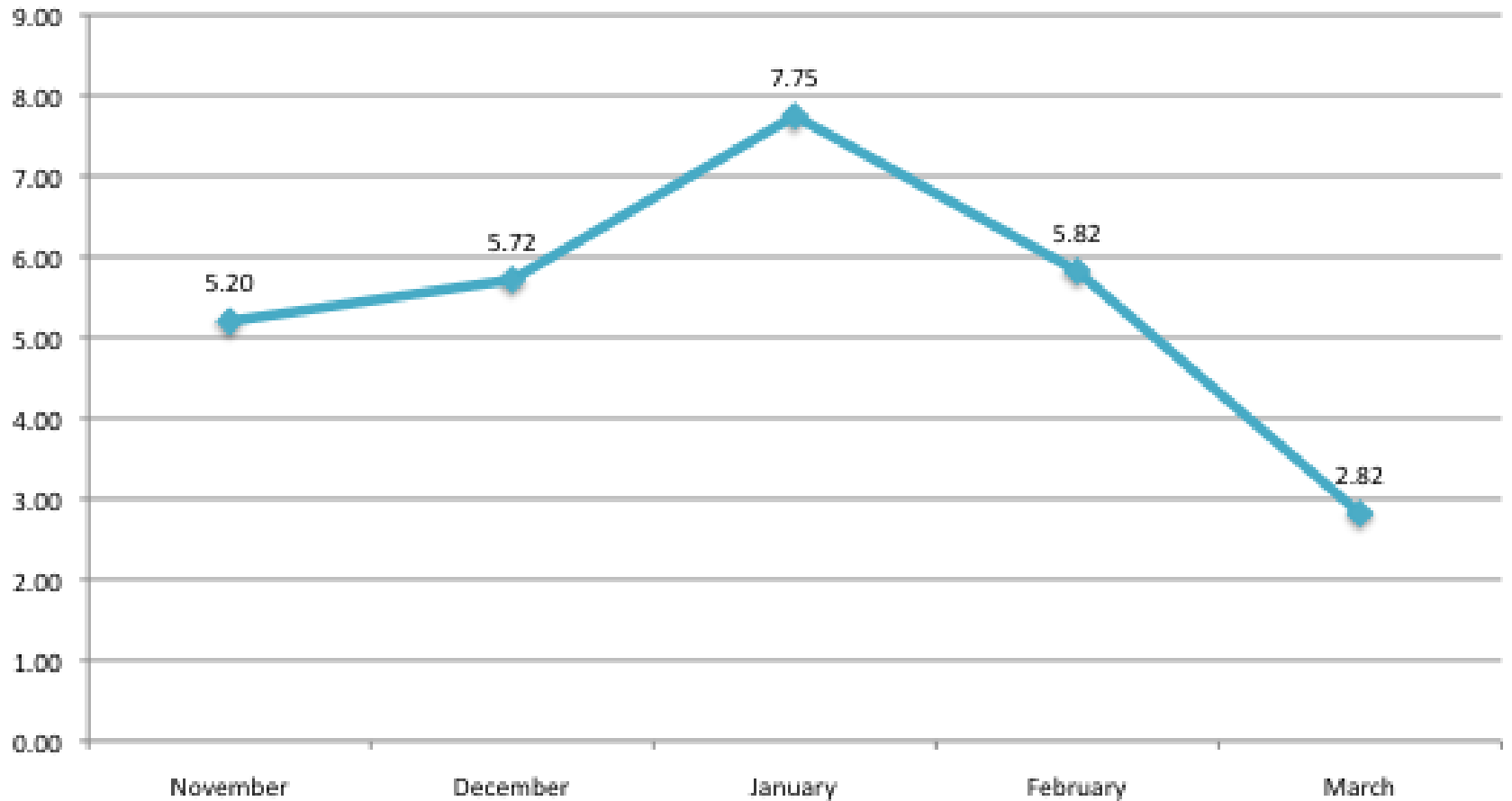
Overall Results

Overall Average MMEs for 5 Months



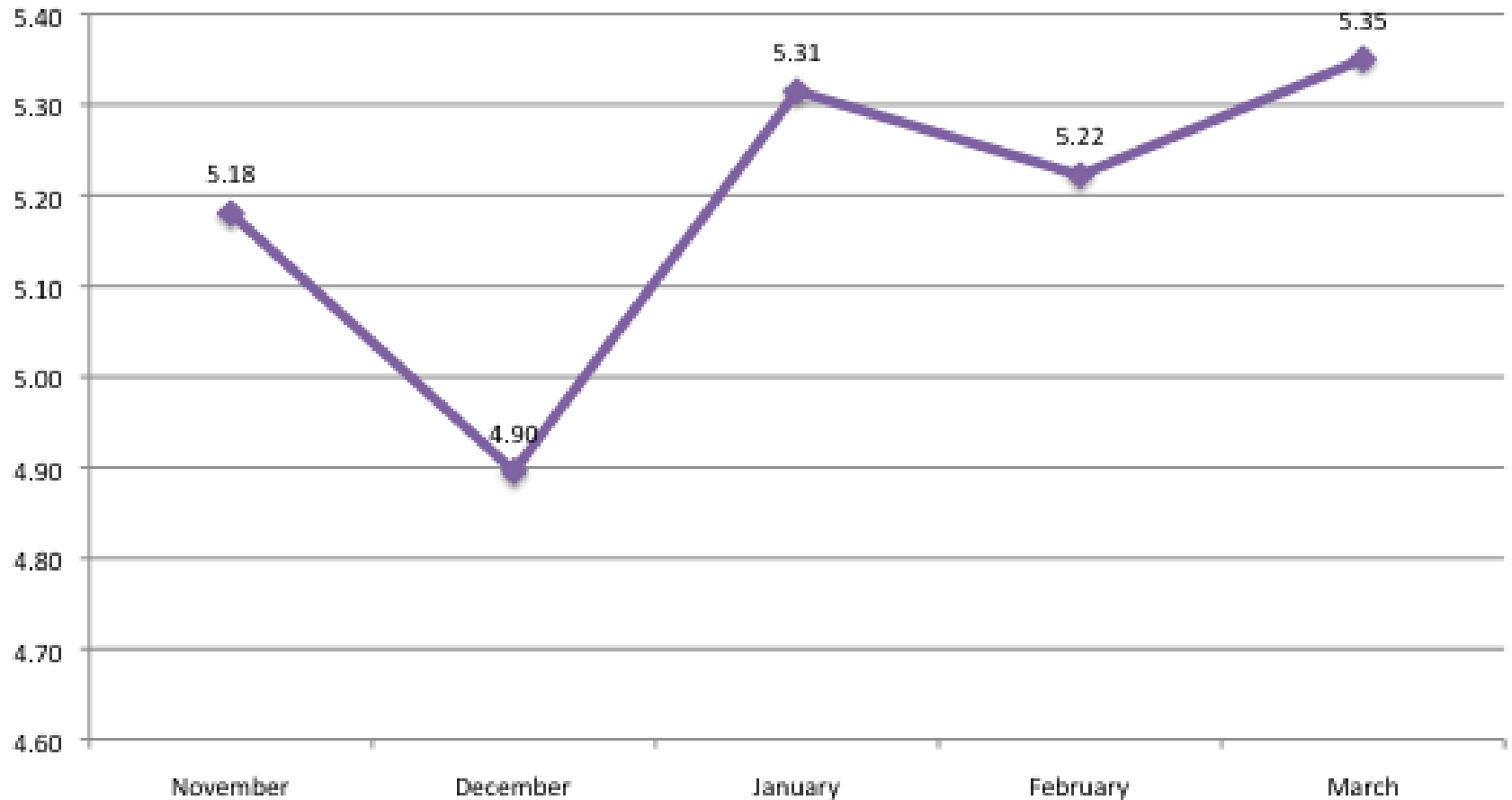
Overall Results

Overall Total MMEs per Patients Seen for 5 Months



Overall Results

Overall Patients Seen per Number of Opioids for 5 Months



Overall Results: Summary

◎ Total MMEs

- Physician “A” prescribed a total of 16,438 MMEs over 5 months
- Physician “Z” prescribed a total of 1,251 MMEs over 5 months

◎ Total Opioids Prescribed

- Physician “A” prescribed a total of 331 opioids over 5 months
- Physician “Z: prescribed a total of 65 opioids over 5 months

Overall Results: Summary

⦿ Average MMEs

- Physician “A” prescribed an average of 53 MMEs over 5 months
- Physician “Z” prescribed an average of 17 MMEs over 5 months

⦿ Total MMEs per Patients Seen

- Physician “A” prescribed, on average, 13.12 MMEs per every patient seen over 5 months
- Physician “Z” prescribed, on average, 2.71 MMEs per every patient seen over 5 months

Overall Results: Summary

- ◎ Patients Seen per Number of Opioids
 - On average, for every ~4 patients seen, Physician “A” prescribed 1 opioid over 5 months
 - On average, for every ~11 patients seen, Physician “Z” prescribed 1 opioid over 5 months

Questions?

