### **Montana Tech Library** Digital Commons @ Montana Tech

Create Math Institute Create Math 2013

Jun 21st, 9:30 AM - 11:00 AM

### Healthcare Costs: How Much Could a Hospital Make on Outlier Patients in Montana?

Carlee Johnson

Katelyn Verlanic

Follow this and additional works at: http://digitalcommons.mtech.edu/create\_math



Part of the Physical Sciences and Mathematics Commons

Carlee Johnson and Katelyn Verlanic, "Healthcare Costs: How Much Could a Hospital Make on Outlier Patients in Montana?" (June 21, 2013). Create Math Institute. Paper 5.

http://digitalcommons.mtech.edu/create\_math/summer\_2013/posters/5

This Event is brought to you for free and open access by the Events at Digital Commons @ Montana Tech. It has been accepted for inclusion in Create Math Institute by an authorized administrator of Digital Commons @ Montana Tech. For more information, please contact ccote@mtech.edu.



# Healthcare Costs

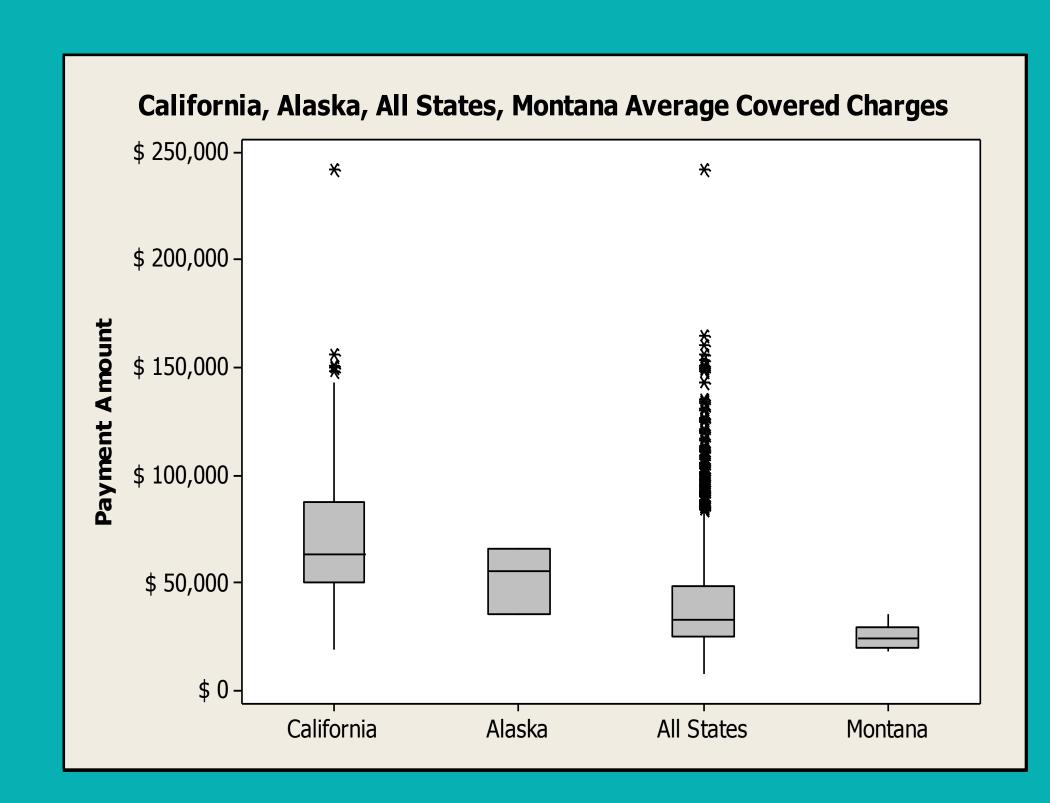
Carlee Johnson
Butte High School
Katelyn Verlanic
Anaconda High School

# How much more could a hospital make on outlier patients in Montana?

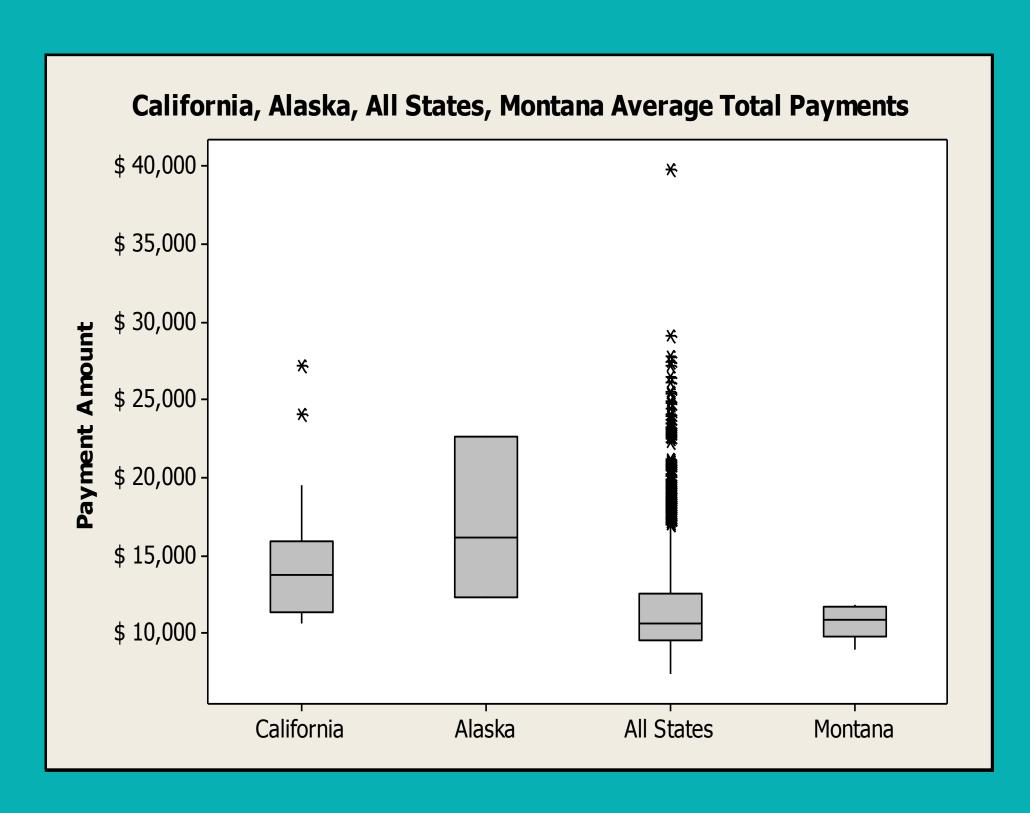
# California, Alaska, All States, Montana Total Discharges \* 400 \* \* 200 California Alaska All States Montana Alaska All States Montana

Montana has less outlier patients than most other states, due to population. This therefore means that there are less discharges and profit made because of the lack of people.

## Data on Renal Failure Patients



Hospitals in Montana charge less than other states for renal failure.



Medicare pays for some, but not all of the covered charges. As a whole, Montana recieves smaller Medicare payments per patient than California, Alaska and the whole nation.

Alaska has approximately the same amount of discharges that Montana has. The median charge in Alaska \$56,015 and the median charge in Montana is \$24,420. Consequently, hospitals in Montana would make more money by charging \$41,000. Medicare pays 80% of the covered charges for outlier patients, which is more than they pay for other patients. The hospital would make \$32,800 for each of the outlier patients, who count for 5% of the total discharges (approximately six patients in Montana). For a profit, the hospital would make an additional \$23,174 for each of the outlier patients, and \$139,044 all together.