

Medical Facilities in Colorado

Battle of the Neighborhoods Project

06/04/2021 Sheila Weiss



Introduction

Graduation can be an exciting time in one's life. The possibilities available to new graduates can be overwhelming

The goal of this project is to assist new graduates in understanding which types of medical facilities exist in which major Colorado cities

This information will allow the new graduates to make an informed decision about what job opportunities are available in those areas

Target Audience

Graduating nursing students looking to relocate to the state of Colorado

Other interested parties would be anyone seeking employment in a medical facility in the state of Colorado

Help focus job search and relocation efforts to an area with the most relevant opportunities



Data

Venue information provided by
FourSquare

Category type Medical Center" (ID
"4bf58dd8d48988d104941735")

Includes multiple sub-categories, such
as "Hospital", "Emergency Room", and
"Urgent Care"

Within each city, the breakdown of
medical facilities was studied

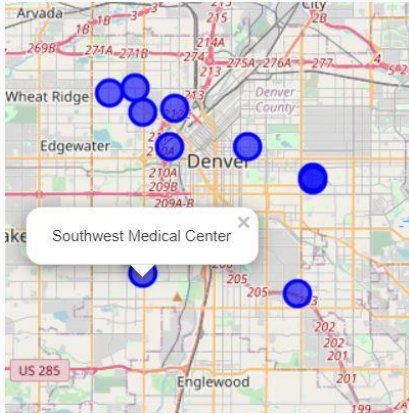
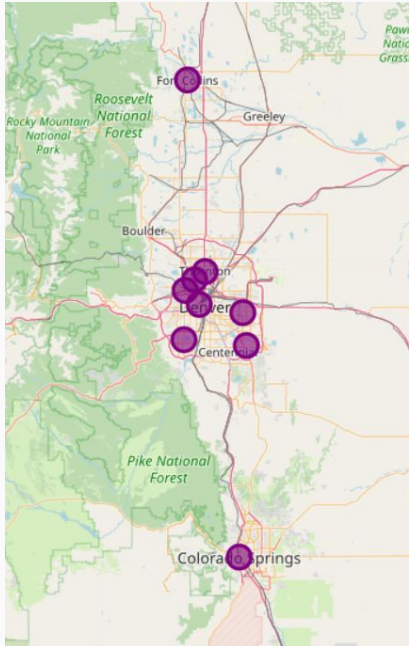
The Colorado cities examined were:

- Denver
- Colorado Springs
- Lakewood
- Thornton
- Arvada
- Westminster
- Centennial
- Aurora
- Pueblo
- Fort Collins

These areas were chosen due to their higher population
(<https://worldpopulationreview.com/states/cities/colorado>)

Location coordinates were retrieved from Nominatim

Exploratory Analysis



Created map of the 10 Colorado cities

Verified venue locations were close to their city center coordinates

Found unique set of medical center types and counts of each within each city

For simplicity, dropped rows with fewer than 5 sites

Acupuncturist	Dentist's Office	Herbs & Spices Store	Medical School	Pharmacy
Alternative Healer	Doctor's Office	Hospital	Mental Health Office	Physical Therapist
Assisted Living	Drugstore	Marijuana Dispensary	Office	Rehab Center
Chiropractor	Emergency Room	Maternity Clinic	Optical Shop	Spa
Community Center	Eye Doctor	Medical Center	Pet Service	Urgent Care Center
Daycare	Gym / Fitness Center	Medical Lab	Pet Store	Veterinarian

Results

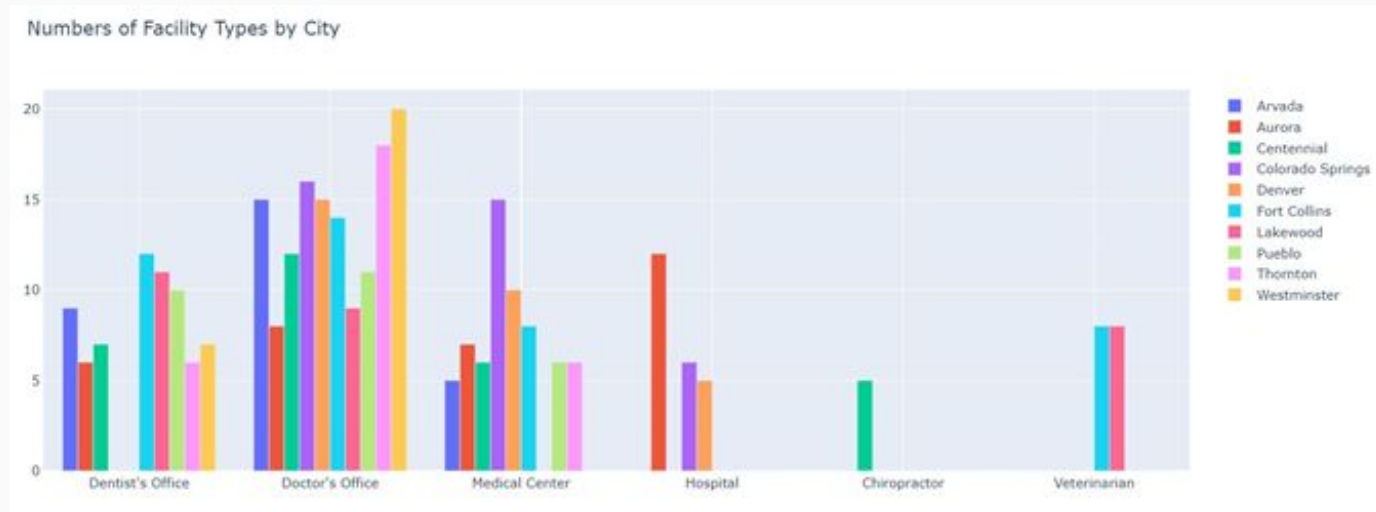
Comparison based on Facility Type

Doctor's Office is the most common type of facility

Larger facilities, such as hospitals, do not have 5 or more sites in all cities

Less common facilities, such as chiropractors, were also not in every city

Someone looking to work in a veterinarian's office should consider Fort Collins or Lakewood



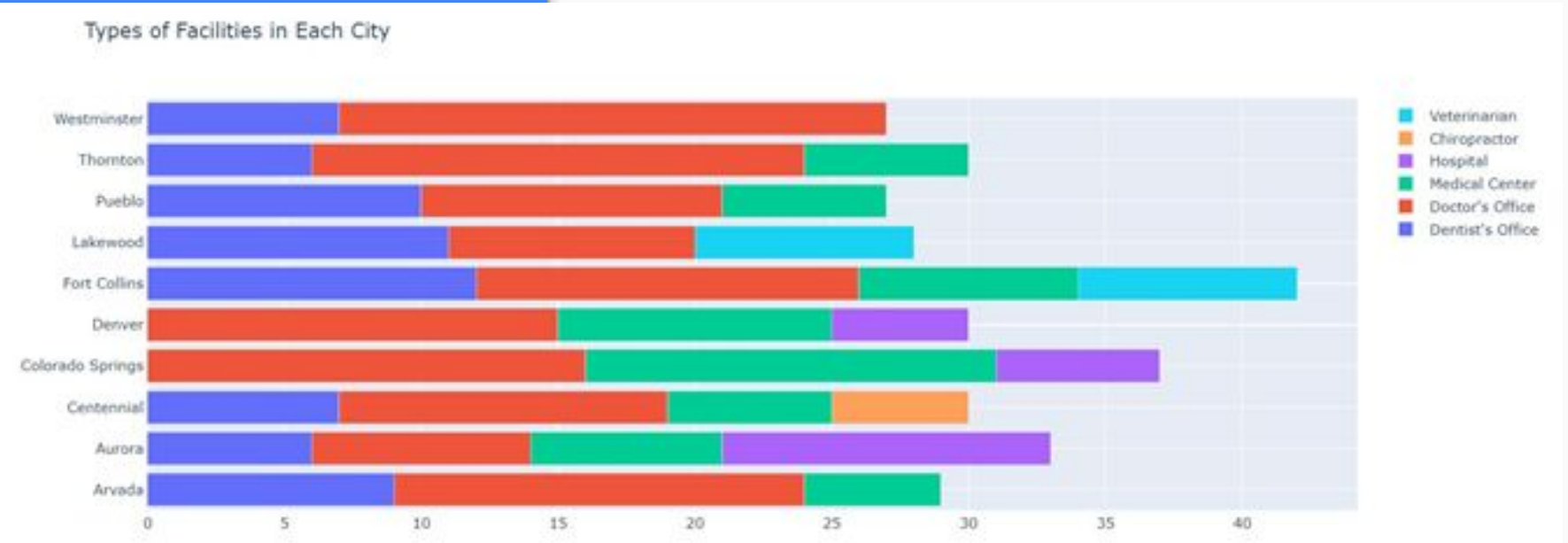
Results

Comparison based on City

Fort Collins has the most overall facilities of the studied types

Graduates wanting to work in Thornton should not expect many opportunities at a Chiropractor's office or hospital

Data only includes a minimum of five for any facility type, so there could be one to four of those types in a city



Final Thoughts

FourSquare gives high-level picture of a region

Supplementing with other statistics, such as crime rates or school rankings, would provide a more robust picture of each area

Including the full set of facility types may also be helpful

Graduates desiring a more narrow field, such as in a chiropractor's office, would be best served to live near Centennial

Someone looking for the most overall opportunities should consider Fort Collins

Categories of hospital, chiropractor and veterinarian are in more limited locations, while dentist and doctor offices are plentiful

Ten largest cities in Colorado provide many medical center facilities for potential employment