**3 Month Referral – On Demand**

**Created 05/24/23**

**Analyst – Elizabeth Chin**

**Purpose:**   
To analyze the three-month referrals of Children's Hospital of Pittsburgh ambulance transfers. The dashboard is designed to provide insights into the various aspects of ambulance transfers, such as admission date, inpatient and emergency admissions, ambulance usage, and reasons for the visit.

**Requester:**

Chris Myers

Denee Marasco

**Brief Description:**

On Demand request for the above information.

**Frequency/Scheduling Requirements:**

Zoom **Location:**

Public Folder/On Demand

**Patient Population:**

Only patients that present to CHP by ambulance transfers.

**Report Prompts:**

N/A

**Printed Output:** The following display shows the report output (note: Will run as excel)

Graphical user interface

Description automatically generated

Graphical user interface

Description automatically generated

Graphical user interface

Description automatically generated

**Available Objects/Variables/Merged Dimensions**

* Grouped ambulance from PA and called it AMB PA
* Grouped ambulance from not PA and called it Outside PA
* Grouped ambulance that were operated by air and called it Helicopter
* Grouped ambulance that im sure about where to group and called it Other
* Grouped ambulance that are vans and called it Med Van
* Grouped ambulance that are transport team and called it Medical Transport Team
* Grouped ambulance that are pgh medics as PGH Medic
* Grouped ambulance that are rescue team as Rescue Team
* Grouped ambulance that are statmedevac as Statmedevac
* Grouped ambulance that are unknown as Unknown
* Grouped not ambulance that are taxi as Taxi
* Grouped not ambulance that are UPMC employee as UPMC Employee
* Grouped not ambulance that are UPMC escort as UPMC Escort
* Grouped not ambulance that are walked as Walked
* Looked up zipcodes for all ambulance and called it Ambulance Zip

**Document Structure and Filters:**

* I incorporated various interactive features, such as drill-throughs and filters, that helped the end-users to dynamically change the data displayed on the dashboard. For example, I can drill down ED admissions by month, year, day of week, and arrival hour based on the filters I created. Another interactive feature I created is a geo mapping of all the zip codes that represents the location of ambulance transfers, which allowed me to better understand the distribution of referrals.
* The layout and design of the visualizations were strategically planned to make them more readable and understandable to the intended audience. For example, I used specific color-coding shading schemes to distinguish from most to least in ambulance group, age, and complaints.

**Dashboard Tabs:**

* 1st Tab: ED Referral to CHP
* 2nd Tab: Geo Mapping of Ambulance Transfer
* 3rd Tab: Detail ED Referral to CHP