# Plots

## By Diagnosis & Sex

Chart, bar chart

Description automatically generated

TO-DO:

* remove the numbers in parentheses in front of the labels
* might consider turning the proportion into percentage

Chart

Description automatically generated with medium confidence

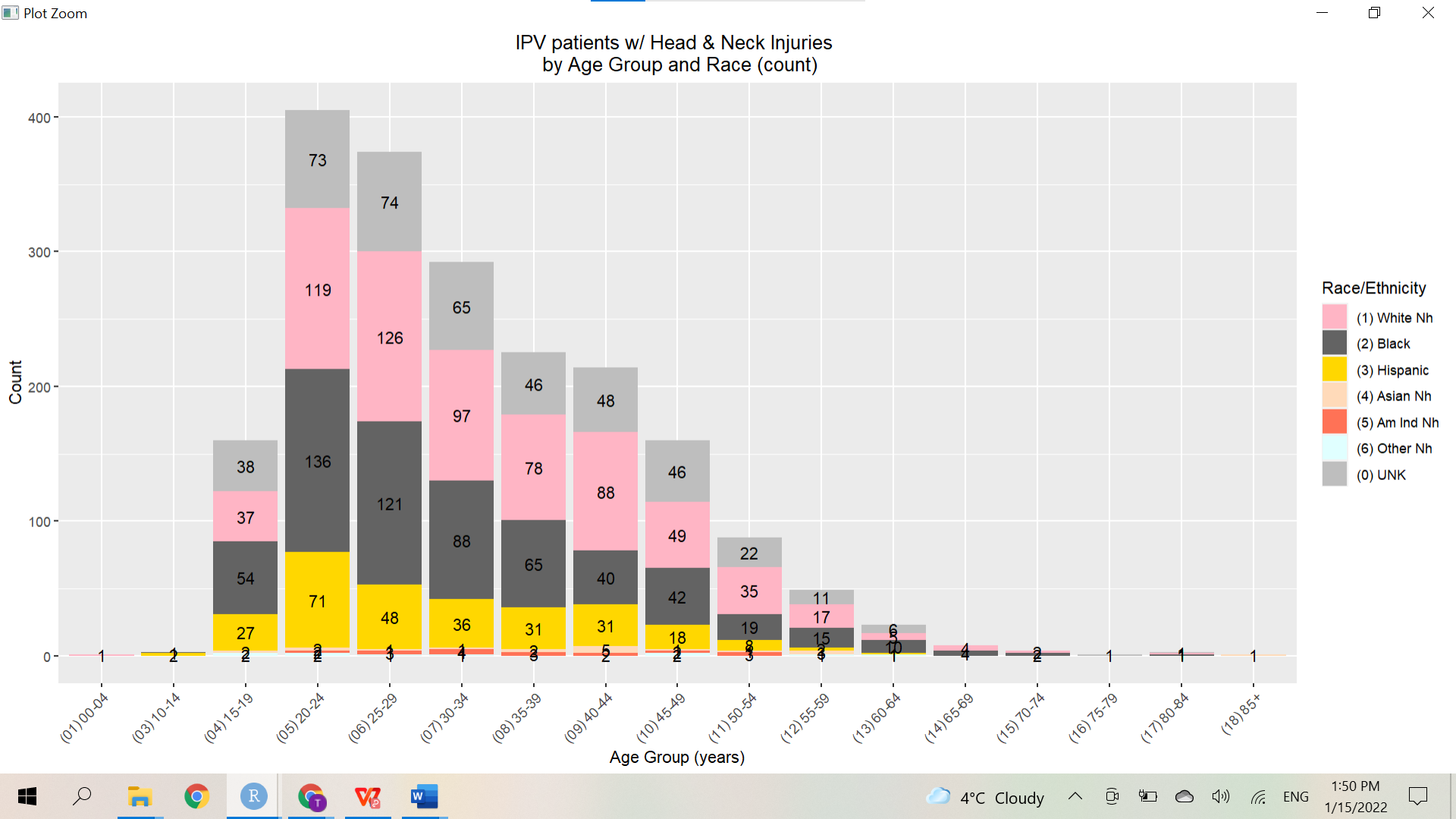
* Are we keeping the very small groups on the right (e.g. from “burn scald” onward)?
  + If so, I might need to figure out a way to display all the numbers that can’t be seen currently.

## By Age Group & Race

A screenshot of a computer

Description automatically generated with low confidence

* Might consider removing the lower and upper age groups given their small group sizes
  + The ortho paper only showed ages 15 - 64
* TO-DO: move the “UNK” gray section to the bottom of each bar. Either reorder/sort the factors or reassign the name of the factors.



* Bars are in their original age-group order. Intentionally did not sort them by absolute count to preserve the inherent ordering of age.
* This graph confirms that it would make sense to limit our presentation to ages 15 - 64.

## By ED Disposition & Diagnosis

Prob not very useful to present either of the following graphs as is.

* The paper only showed 2 categories for ED disposition (release vs admit) and 5 diagnoses

Chart, line chart

Description automatically generated

Chart, bar chart

Description automatically generated

Below: Shows only two disposition groups, (1) and (4), without any pooling.

* Might consider pooling/combining some categories, e.g. (1) and (2).
* Too many small groups. See the next graph for modification.

Chart, bar chart

Description automatically generated

Below: Two disposition categories without pooling + only diagnoses with count > n

* The “proportion graph” does NOT visually highlight the idea that most IPV patients with head and neck injuries are not hospitalized.
* But in the “count graph,” the numbers in the “admitted” category become very difficult to read.

Chart, bar chart

Description automatically generated

Chart

Description automatically generated with medium confidence

# By Body Parts

The ortho paper focused one particular injury type, i.e. fracture, and plotted gender/age group/race against injured body part. Since we haven’t discussed if there’s a particular injury type we want to focus on, I made the same three plots on all injury types.

## By Gender & Body Parts

Chart, bar chart

Description automatically generated Chart, bar chart

Description automatically generated

TO FIGURE OUT:

* For patient with multiple injured body parts, how are they counted in this dataset?

## By Age Group & Body Parts

Below: all age groups included

Chart

Description automatically generated

Below: included only age groups from 15-64

A screenshot of a computer

Description automatically generated with medium confidence Chart, bar chart, histogram

Description automatically generated

## By Race & Body Parts

Chart, bar chart

Description automatically generated

Chart, bar chart

Description automatically generated

* Exclude the last three race groups?