

# HEAL Parks 2022 Conversion

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## 1 Front Matter

This document outlines procedures and technical details for the integration of data from 2022 HEAL Parks studies to align with 2023 and onward data. The code contained in this script reads prepared data and reformats it to the 2023 standard.

For general information about the project please review the [git](#) or contact [Seth Schromen-Wawrin](#) or [Ronald Buie](#)

## 2 Preparing 2022 Data

2022 data were provided via email by Seth. APDE stores a copy of these and all data in the [DPH -APDEWork:ParkOBservationStudies library/2022 Annual Study/inputs](#)

In order to run this script, you should copy the 2022 Annual Study/inputs folder into the 2022 folder of the HEAL\_Parks\_Analysis repository, and run this quarto file.

## 3 Load available 2022 data

timestamps are not uniform across files. currently ignoring these to work on aligning other data.

## 4 Create 2022 SOPARCAAnalysis Set

## 5 Create 2022 SOPARC Analysis Set

## 6 Create 2022 SOPARCAactivities.csv

An activity table is built following the same procedure as our 2023 analysis with the addition of a study id, per 2024 and onward.

Some of the source tables include activities listed without people. These are dropped after building the activity table

## 7 Create 2022 SOPARCAactivitiesExpanded.csv

## 8 Create 2022 SOPARCAanalysisSetAggregatedPeriods

## 9 Analysis Notes

### 9.1 Missing “child” and “teen” counts

The 2022 data counted all non adult or elder presenting persons as “youth”. This creates a challenge in comparing to later years which divide apparent minors into “child” and “teen”. Two strategies have been proposed for harmonizing across years where analysis of age group is included:

- aggregate later years to “youth”. Undesirable because current metric development is focused on children and playgrounds.
- calculate the proportion of children and teens observed in a given park for the metric for later years, and use this to re-weight the youth from 2022 into children and teens in the same proportion. Requires there to be later years of the same park, which might not always be available.