

# CADDiE Data Summary

Week 24: October 7, 2020

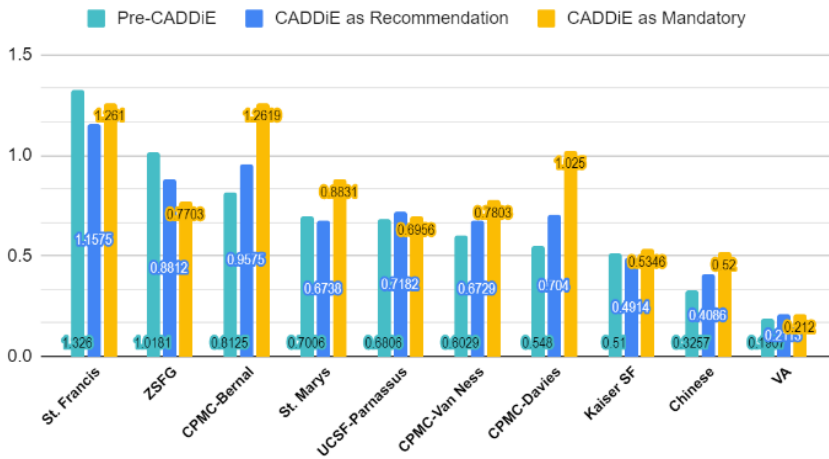
Days Operational: **174**

CADDiE Radio Consults Fielded: **25, 616**

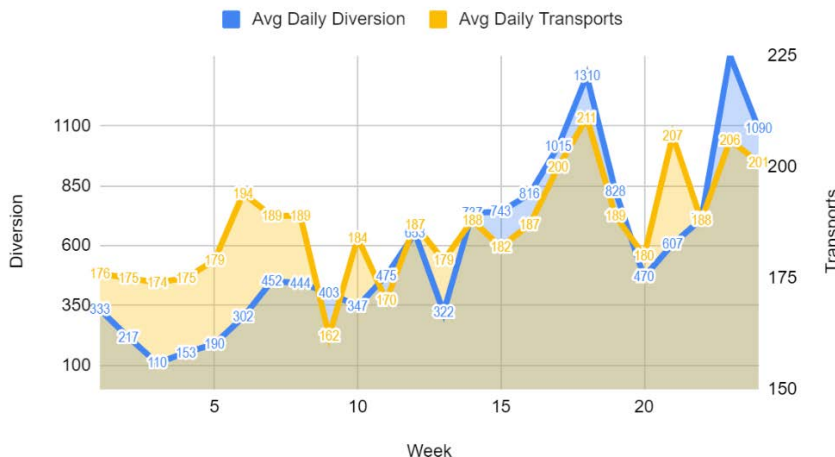
*“Pre-CADDiE” Baseline:* Due to atypical EMS system volumes during the COVID-19 response period, baseline data was obtained from a 30-day period prior to beginning CADDiE to ensure accurate comparison between similar periods.

EMS Metric	Pre-CADDiE	CADDiE as Recommendation	CADDiE as Mandatory
Average Time-on-Task	77.02	77.02	78.98
	<b>Change:</b>	<b>NA</b>	<b>+2.54%</b>
Average Transport Time	16.42	16.15	16.37
	<b>Change:</b>	<b>-1.64%</b>	<b>-0.3%</b>
Avg Coefficient of Variation Transport:ED Bed Ratio	64.47	59.61	57.61
	<b>Change:</b>	<b>-7.54%</b>	<b>-10.64%</b>

## Average Daily Transports to Static ED Bed Ratio



## Average Daily Diversion (in minutes) vs. Average Daily Transports



### EMS Objectives

Improve matching of EMS patients to ED bed capacity so the ratio of transports to static beds is 1.0 for all receiving hospitals.

*The first ratio is the pre-CADDiE baseline, the second is the ratio since the CADDiE hospital became mandatory.*

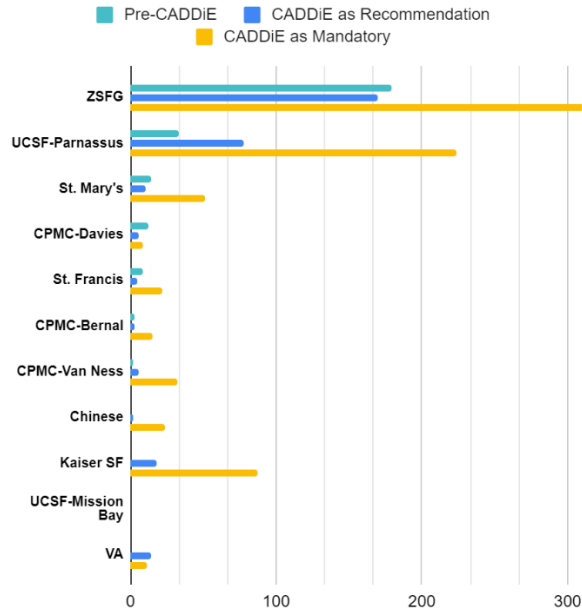
- Top 3 hospitals for EMS volume in relation to bed capacity compared to baseline.
  - St. Francis: **1.326** ▼ **1.261**
  - ZSFG: **1.018** ▼ **0.77**
  - CPMC-Bernal: **0.813** ▲ **1.262**
- Bottom 3 hospitals for EMS volume in relation to bed capacity compared to baseline (except Kaiser).
  - VA: **0.191** ▲ **0.212**
  - Chinese: **0.326** ▲ **0.52**
  - CPMC-Davies: **0.548** ▲ **1.025**

Reduce average 90<sup>th</sup> percentile for APOT-1 times among the 5 hospitals with the highest APOT-1 times.

*Figures since CADDiE hospital became mandatory, current as of 7/31/20.*

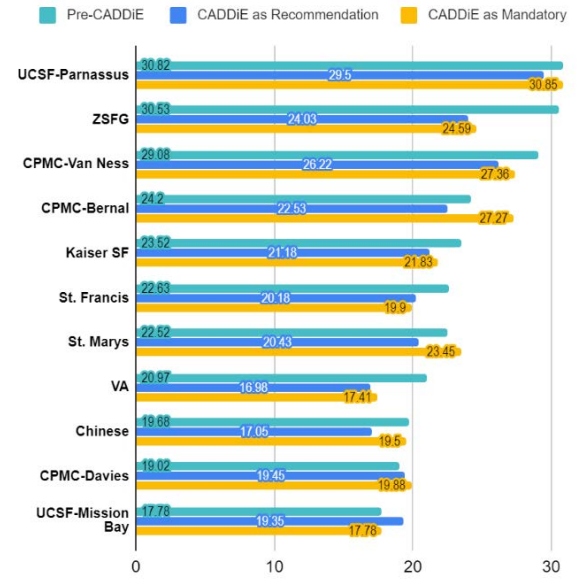
- UCSF-Parnassus: **-3.4%**
- ZSFG: **-21.9%**
- CPMC-Van Ness: **-8.3%**
- CPMC-Bernal: **-4.5%**
- Kaiser SF: **-8.7%**

### Average Daily Hospital Diversion (in min)

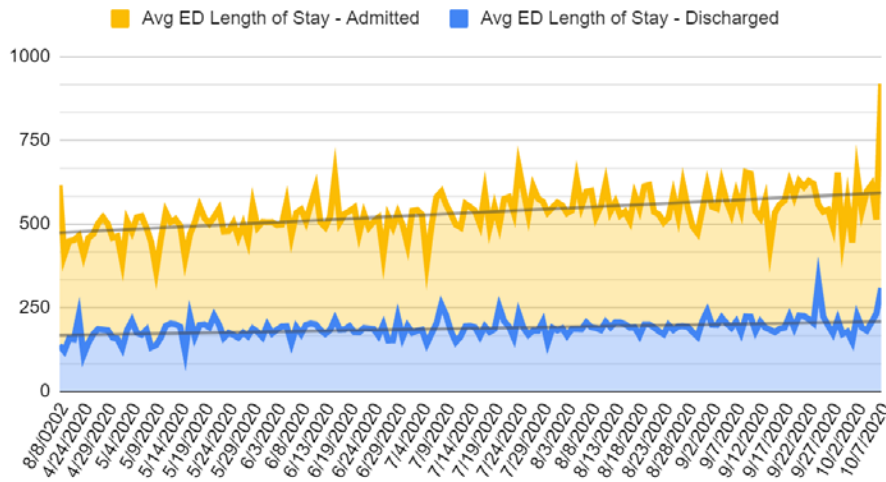


### APOT-1 Times (in minutes)

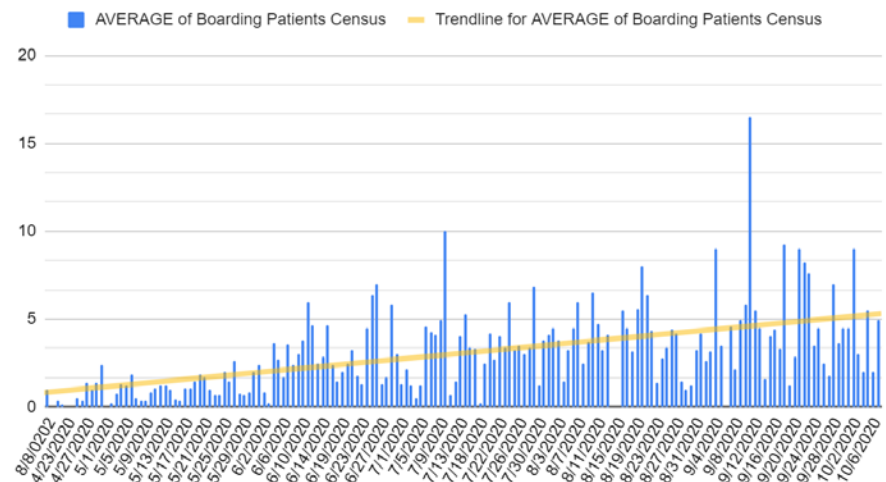
Time interval between ambulance arrival at hospital and transfer of patient care



### Avg ED Length of Stay - Discharged and Admitted (in minutes)



### Daily System-Wide Average Boarded Patient Census



### Hospital Diversion

Reduce aggregated time on diversion, including Trauma Override, across all full receiving hospitals by 10% compared to baseline.

- System-wide average daily diversion
  - 2019: **1620 min**
  - Pre-CADDiE: **250 min**
  - As Recommendation: **310 min**
    - **+24% from baseline**
  - As Mandatory: **806 min**
    - **+222% from baseline**

While system-wide diversion has increased in comparison with the baseline period, there has not been an associated increase in EMS volume.

- Average daily EMS transports
  - Pre-CADDiE: **193**
  - As Recommendation: **179**
  - As Mandatory: **192**