STATEWIDE TRAUMA DATA

REPORTABLE TRAUMA

The following charts show data for 2019-2022 Trauma cases that met the TSE reportable criteria.

DEFINITIONS

Mode of Arrival: Count of patients transported to facility via EMS (i.e. fixed-wing, ground, or helicopter ambulance), Walk-In (i.e. private or public vehicle), or transferred in from another facility.
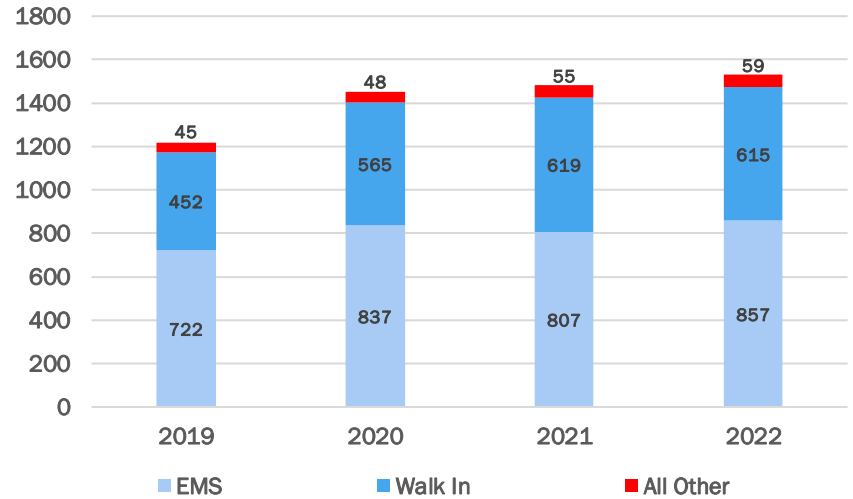
CAH & Comm. Care ED Length of Stay: Time from arrival to ED discharge for patients with an ED disposition of "11" (i.e. transferred to another hospital).

Tertiary ED Length of Stay: Time from arrival to ED discharge (i.e. inpatient unit).
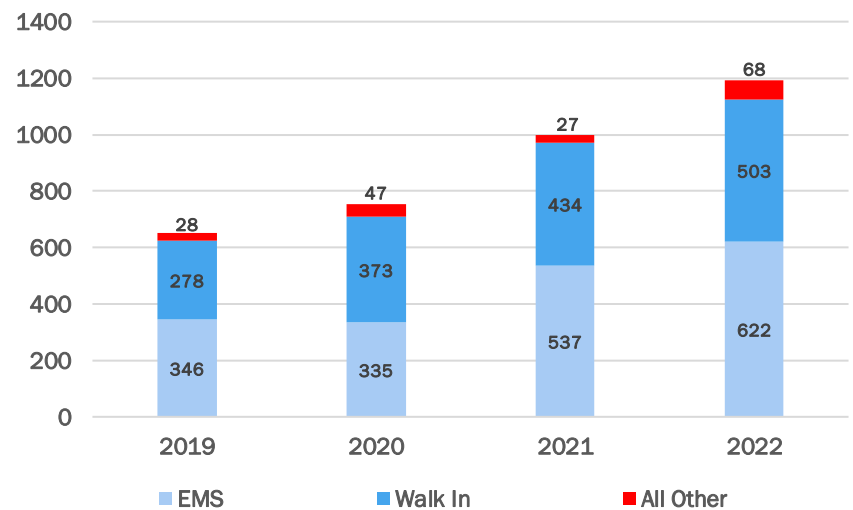
Arrival to DC Order Written: Time from ED arrival to orders written to discharge.

ED Length of Stay by ISS: Time from arrival to ED discharge for patients with an ED disposition of "11" (i.e. transferred to another hospital). Grouped by Injury Severity Score.
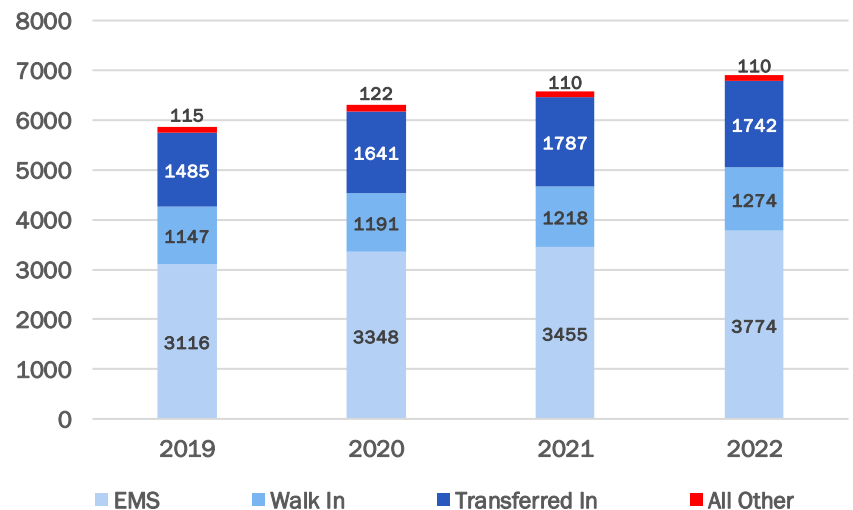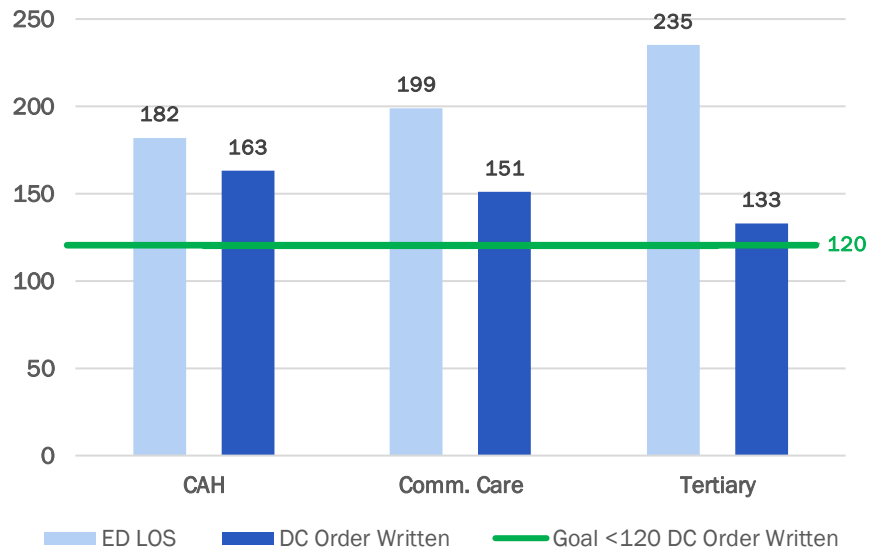
CAH - VOLUME BY MODE OF ARRIVAL

Year	EMS	Walk In	All Other
2019	722	452	45
2020	837	565	48
2021	807	619	55
2022	857	615	59

COMM. CARE - VOLUME BY MODE OF ARRIVAL

Year	EMS	Walk In	All Other
2019	346	278	28
2020	335	373	47
2021	537	434	27
2022	622	503	68

TERTIARY - VOLUME BY MODE OF ARRIVAL

Year	EMS	Walk In	Transferred In	All Other
2019	3116	1147	1485	115
2020	3348	1191	1641	122
2021	3455	1218	1787	110
2022	3774	1274	1742	110

2022 ED LENGTH OF STAY vs. ARRIVAL TO DC ORDER WRITTEN (GOAL <120)
MEDIAN TIME IN MINUTES

	CAH	Comm. Care	Tertiary
ED LOS	182	199	235
DC Order Written	163	151	133
Goal <120 DC Order Written	120	120	120

2022 ED LENGTH OF STAY BY ISS
MEDIAN TIME IN MINUTES

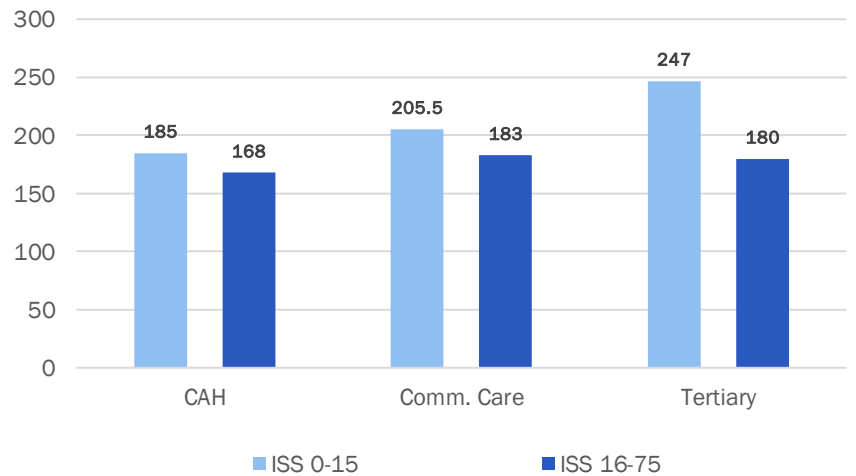|	CAH	Comm. Care	Tertiary
ISS 0-15	185	205.5	247
ISS 16-75	168	183	180

DEFINITIONS

Volume: Total number of patients with eligible ICD-10-CM trauma codes.
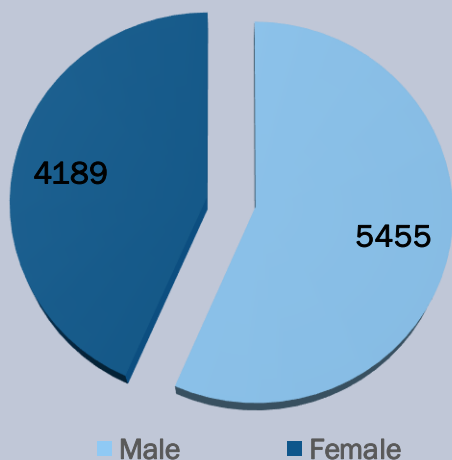
Motor Vehicle Non-public Roads: A vehicle accident that occurs entirely in any place other than the public highway or street (i.e. a private ranch).

Mechanism of Injury: The vector that transfers the energy to the body (e.g. fall, motor vehicle traffic accident, or poisoning).
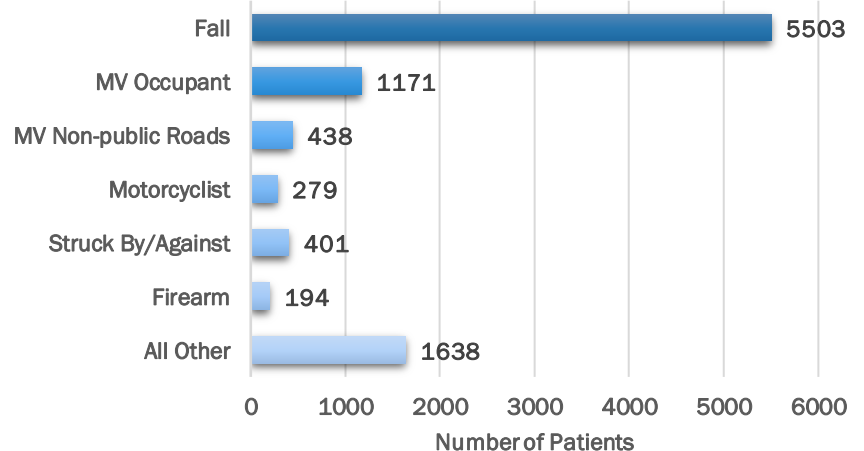
2022 – VOLUME BY SEX

Sex	Volume
Male	5455
Female	4189

2022 - MECHANISM OF INJURY

Mechanism	Number of Patients
Fall	5503
MV Occupant	1171
MV Non-public Roads	438
Motorcyclist	279
Struck By/Against	401
Firearm	194
All Other	1638

STATEWIDE STROKE DATA

REPORTABLE STROKE

The following charts show data for 2019-2022 Stroke cases that met the TSE reportable criteria.

DEFINITIONS

Volume by Arrival: Count of patients transported to facility via EMS (i.e. fixed-wing, ground, or helicopter ambulance) or Walk-In (i.e. private or public vehicle).

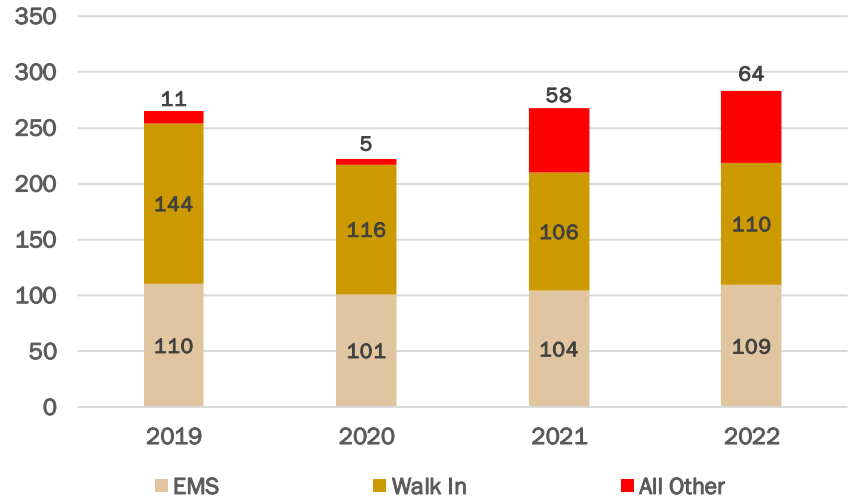*Door-to-Brain Image*: Time from arrival at ED to brain imaging.

Door-to-Brain Image Read: Time from arrival at ED to read out of brain imaging results.

Door-to-thrombolytics: Time from arrival at ED at thrombolytics administration.
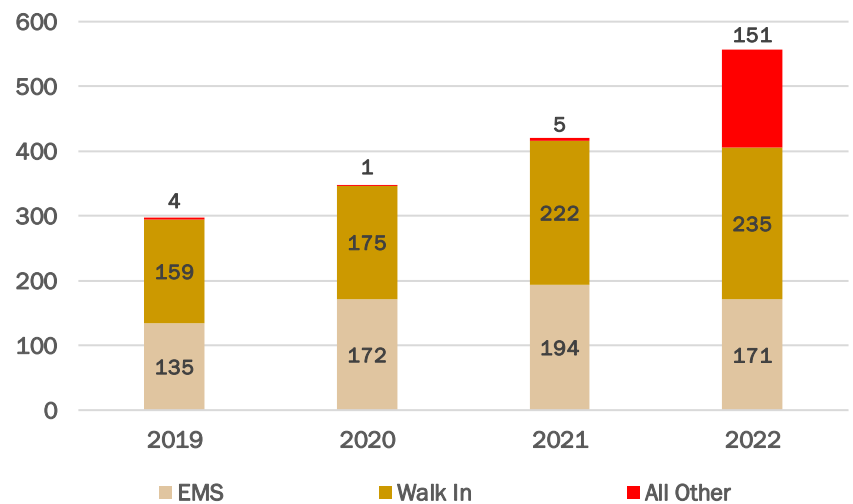
Door-to-IA Cath: Time from arrival at ED to IA catheter placement.

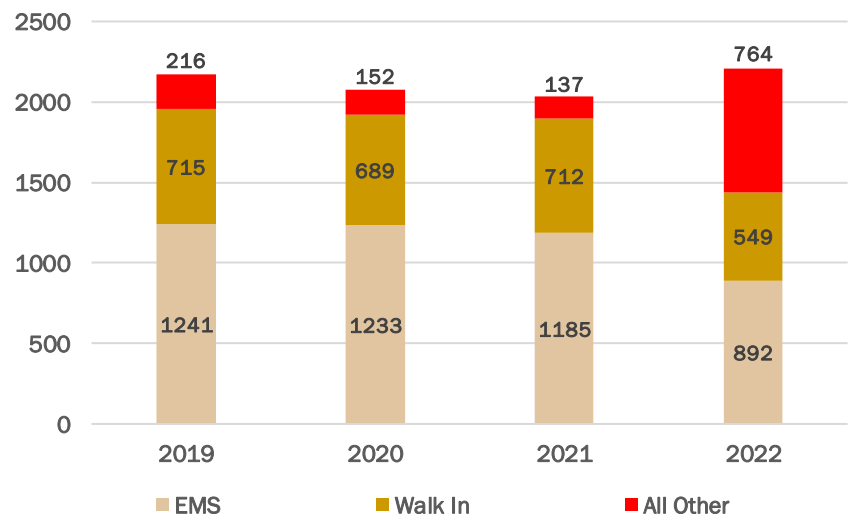*Volume*: Total number of patients with eligible ICD-10-CM stroke codes.
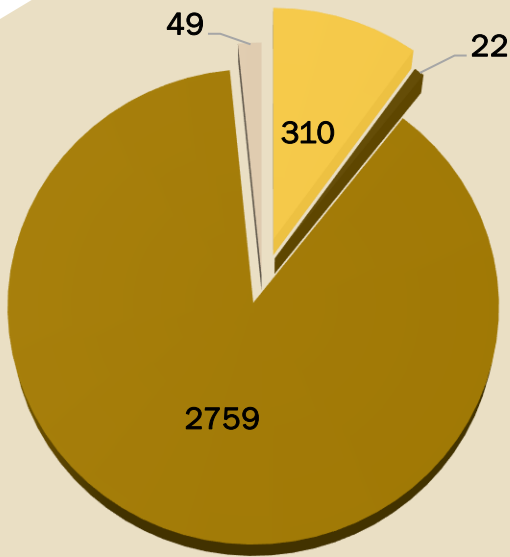
CAH - VOLUME BY MODE OF ARRIVAL

Year	EMS	Walk In	All Other
2019	110	144	11
2020	101	116	5
2021	104	106	58
2022	109	110	64

COMM. CARE - VOLUME BY MODE OF ARRIVAL

Year	EMS	Walk In	All Other
2019	135	159	4
2020	172	175	1
2021	194	222	5
2022	171	235	151

TERTIARY - VOLUME BY MODE OF ARRIVAL

Year	EMS	Walk In	All Other
2019	1241	715	216
2020	1233	689	152
2021	1185	712	137
2022	892	549	764

2022 - STROKE BY TYPE

- 49
- 22
- 310
- 2759

Legend:
- Hemorrhagic
- I62-Other
- Ischemic
- Mixed

DOOR-TO-BRAIN IMAGE (GOAL <20)
MEDIAN TIME IN MINUTES

CAH: 2019 = 20, 2020 = 19, 2021 = 16, 2022 = 18.5
Comm. Care: 2019 = 16, 2020 = 14, 2021 = 18, 2022 = 17
Tertiary: 2019 = 19, 2020 = 18, 2021 = 17, 2022 = 19
Goal BI = 20

Legend: 2019 · 2020 · 2021 · 2022 · Goal BI
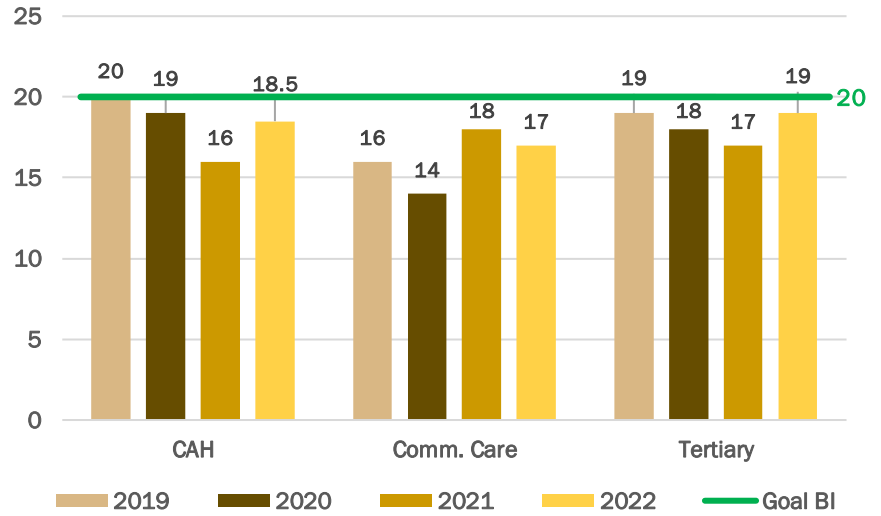
DOOR-TO-BRAIN IMAGE READ (GOAL <45)
MEDIAN TIME IN MINUTES

CAH: 2019 = 42, 2020 = 41.5, 2021 = 36, 2022 = 43
Comm. Care: 2019 = 34, 2020 = 31.5, 2021 = 33, 2022 = 34
Tertiary: 2019 = 29, 2020 = 30, 2021 = 31, 2022 = 37
Goal BI = 45

Legend: 2019 · 2020 · 2021 · 2022 · Goal BI
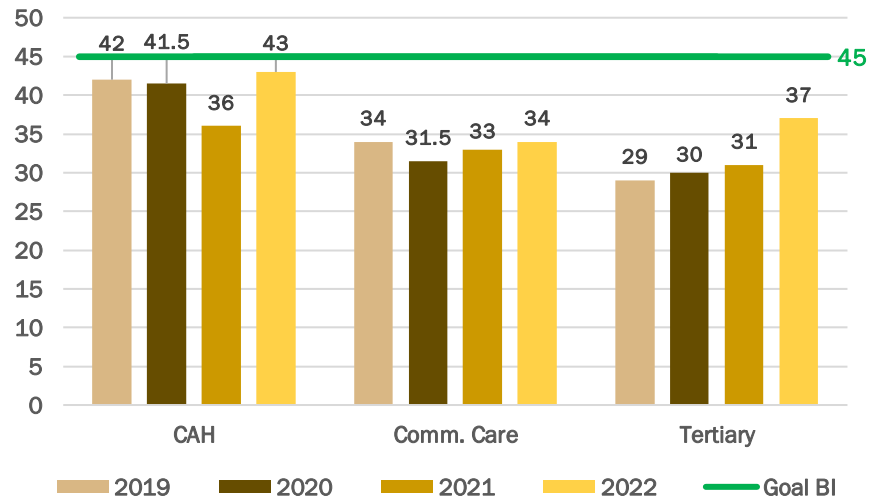
DOOR-TO-IA CATH (GOAL <90)
MEDIAN TIME IN MINUTES

Tertiary: 2019 = 49, 2020 = 63.5, 2021 = 61, 2022 = 56
Goal = 90

Legend: 2019 · 2020 · 2021 · 2022 · Goal
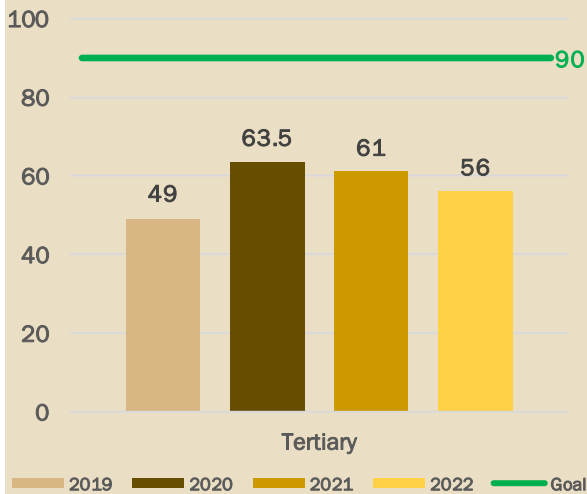
DOOR-TO-THROMBOLYTICS (GOAL <60)
MEDIAN TIME IN MINUTES

CAH: 2019 = 58, 2020 = 63.5, 2021 = 63, 2022 = 53
Comm. Care: 2019 = 46.5, 2020 = 48, 2021 = 48, 2022 = 43.5
Tertiary: 2019 = 46.5, 2020 = 44.5, 2021 = 43, 2022 = 44
Goal BI = 60

Legend: 2019 · 2020 · 2021 · 2022 · Goal BI
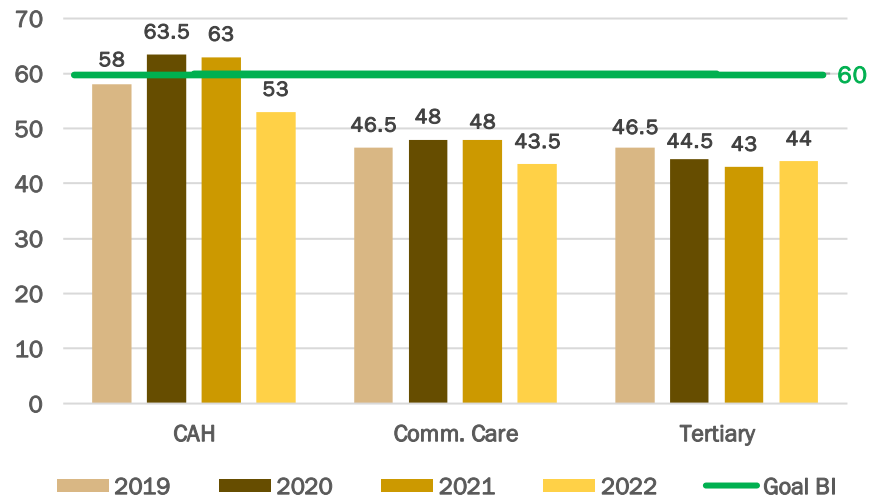
STATEWIDE STEMI DATA

REPORTABLE STEMI

The following charts show data for 2020-2022 STEMI cases that met the TSE reportable criteria.
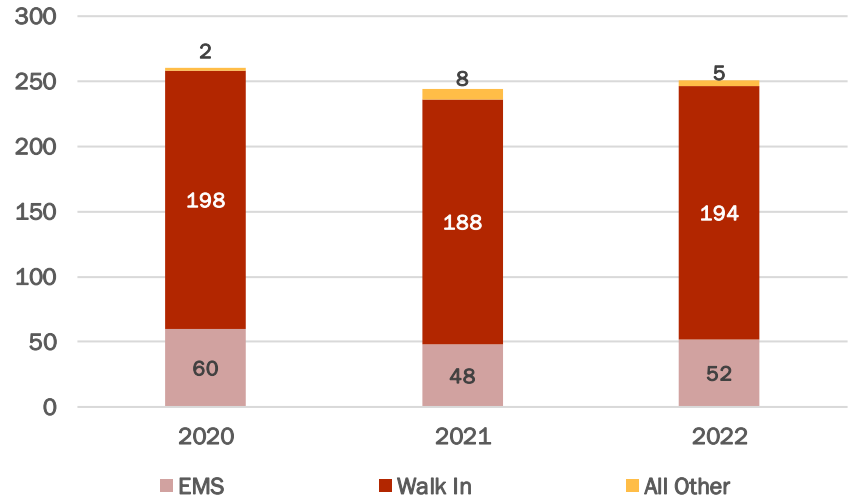
DEFINITIONS

Mode of Arrival: Count of patients transported to facility via EMS (i.e. fixed-wing, ground, or helicopter ambulance) or Walk-In (i.e. private or public vehicle).

Door-to-ECG: Time from arrival to ECG for ECGs that occur post arrival, i.e. not in the field.
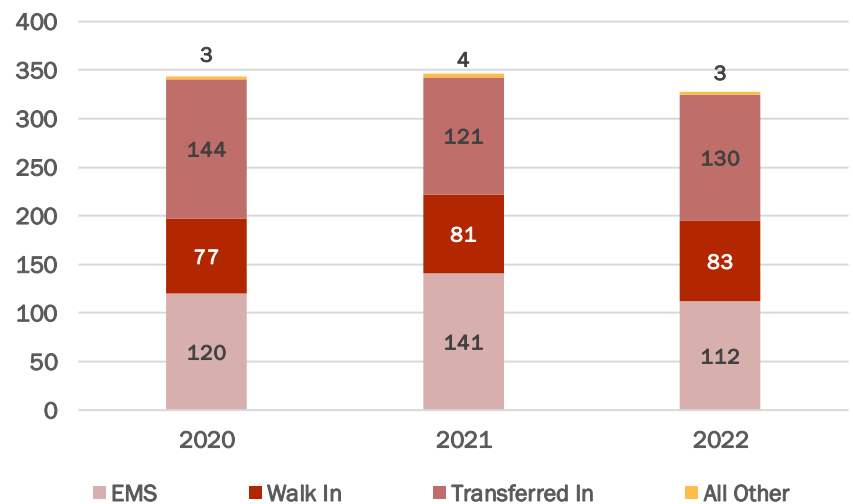
Door-to-Door-to-Device: Time from arrival at first facility ED to device activation at second facility among patients transferred from one facility to another.

Door-to-Device: Time from arrival in ED or hospital (direct to cath lab) to device activation among "walk-in" patients (arrive via non-transferring ambulance or private vehicle).
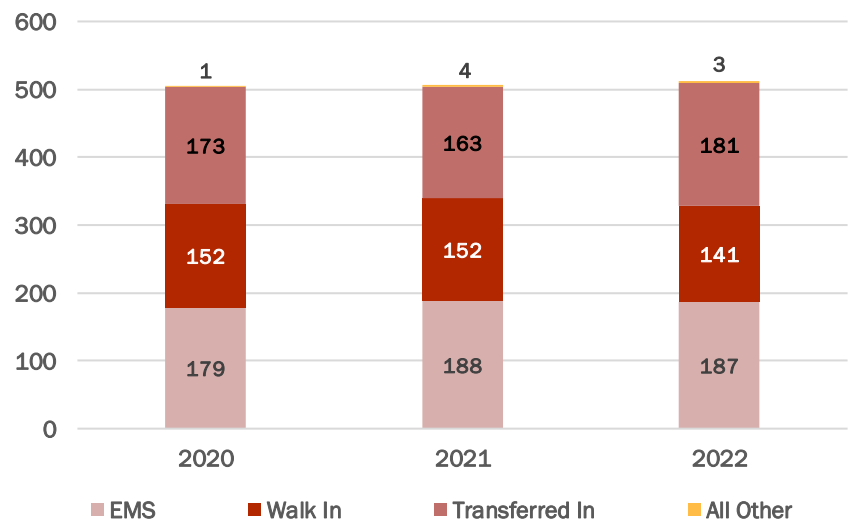
REFERRAL CENTERS - VOLUME BY MODE OF ARRIVAL
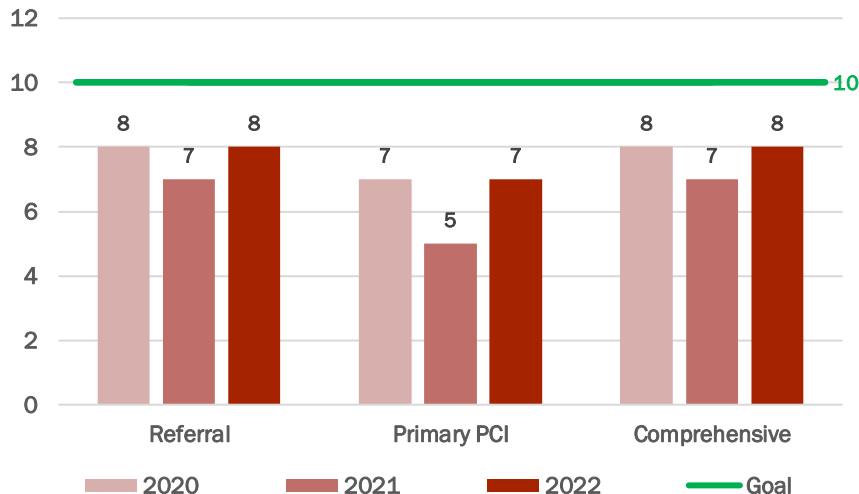
Chart, stacked bar, volume by year.

Year	EMS	Walk In	All Other
2020	60	198	2
2021	48	188	8
2022	52	194	5

Legend: ■ EMS ■ Walk In ■ All Other

PRIMARY PCI - VOLUME BY MODE OF ARRIVAL

Chart, stacked bar, volume by year.

Year	EMS	Walk In	Transferred In	All Other
2020	120	77	144	3
2021	141	81	121	4
2022	112	83	130	3

Legend: ■ EMS ■ Walk In ■ Transferred In ■ All Other

COMPREHENSIVE CARE - VOLUME BY MODE OF ARRIVAL

Chart, stacked bar, volume by year.

Year	EMS	Walk In	Transferred In	All Other
2020	179	152	173	1
2021	188	152	163	4
2022	187	141	181	3

Legend: ■ EMS ■ Walk In ■ Transferred In ■ All Other

DEFINITIONS

FMC-to-Device Transfers: Time from first medical contact (EMS or ED arrival) to device activation time among patients who are transferred in from another facility.

FMC-to-Device Non-Transfers: Time from first medical contact (EMS or ED arrival) to device activation time among patients who arrive directly to the treating facility via private vehicle or EMS (direct arrivals/non-transfer patients).
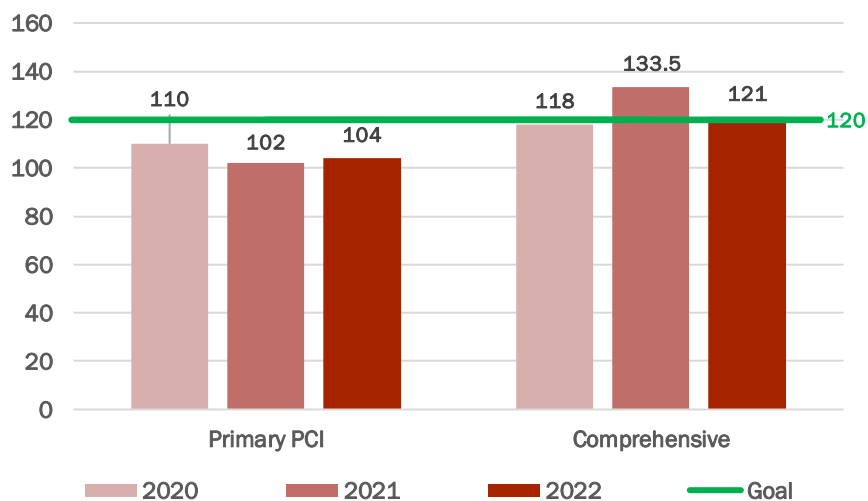
Symptom Onset-to-Device Transfers: Time from symptom onset to device activation among patients transferred between facilities.

Symptom Onset-to-Device Non-Transfers: Time from symptom onset to device activation among patients arriving via private vehicle or EMS (non-transfer).

Volume: Total number of patients with eligible ICD-10-CM STEMI codes.
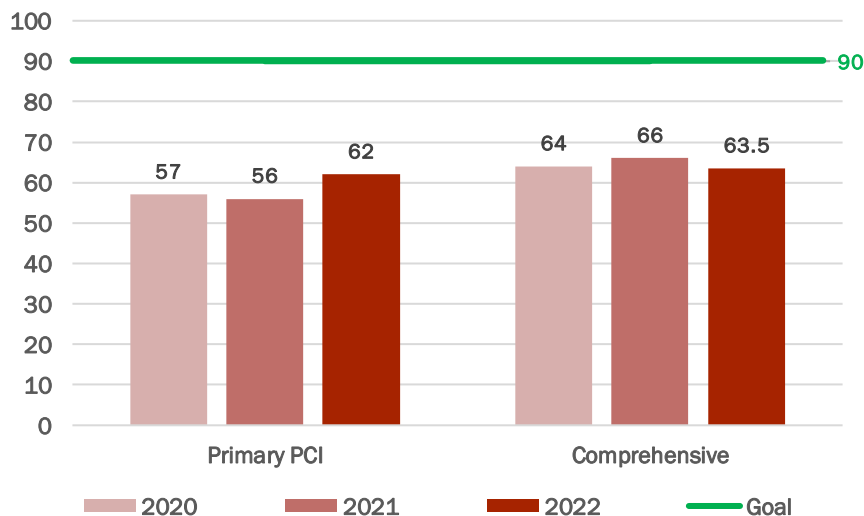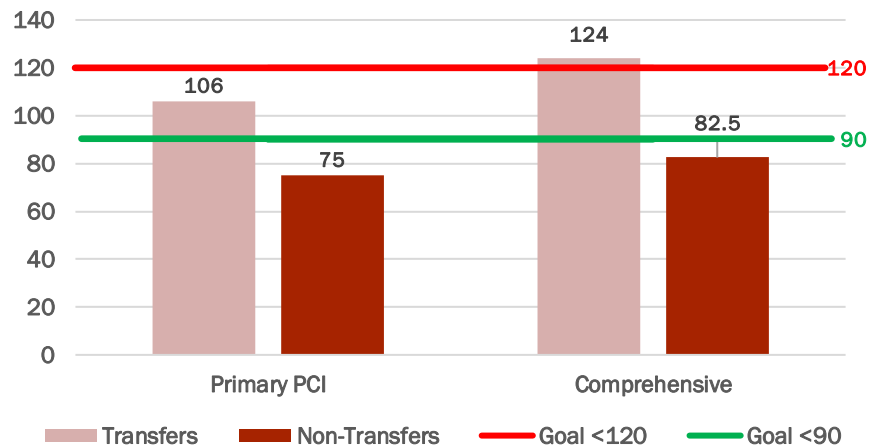
DOOR-TO-ECG
MEDIAN TIME IN MINUTES (GOAL <10)

DOOR-TO-DOOR-TO-DEVICE TRANSFERS
MEDIAN TIME IN MINUTES (GOAL <120)

DOOR-TO-DEVICE NON-TRANSFERS
MEDIAN TIME IN MINUTES (GOAL <90)

2022 FMC-TO-DEVICE
MEDIAN TIME IN MINUTES

Bar chart showing median time in minutes for Primary PCI and Comprehensive.
- Primary PCI: Transfers 106, Non-Transfers 75
- Comprehensive: Transfers 124, Non-Transfers 82.5
- Goal <120 (red line at 120)
- Goal <90 (green line at 90)

Legend: Transfers | Non-Transfers | Goal <120 | Goal <90

2022 SYMPTOM ONSET-TO-DEVICE
MEDIAN TIME IN MINUTES

Bar chart showing median time in minutes for Primary PCI and Comprehensive.
- Primary PCI: Transfers 252, Non-Transfers 164
- Comprehensive: Transfers 254, Non-Transfers 165

Legend: Transfers | Non-Transfers

2022 – STEMI VOLUME BY AGE

Pie chart of STEMI volume by age:
- 0-49: 134
- 50-59: 238
- 60-69: 346
- 70-79: 247
- 80+: 125

Legend: 0-49 | 50-59 | 60-69 | 70-79 | 80+