

# Georgia Trauma System


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EVALUATION 2022

SUBMITTED TO THE GEORGIA TRAUMA CARE NETWORK  
COMMISSION

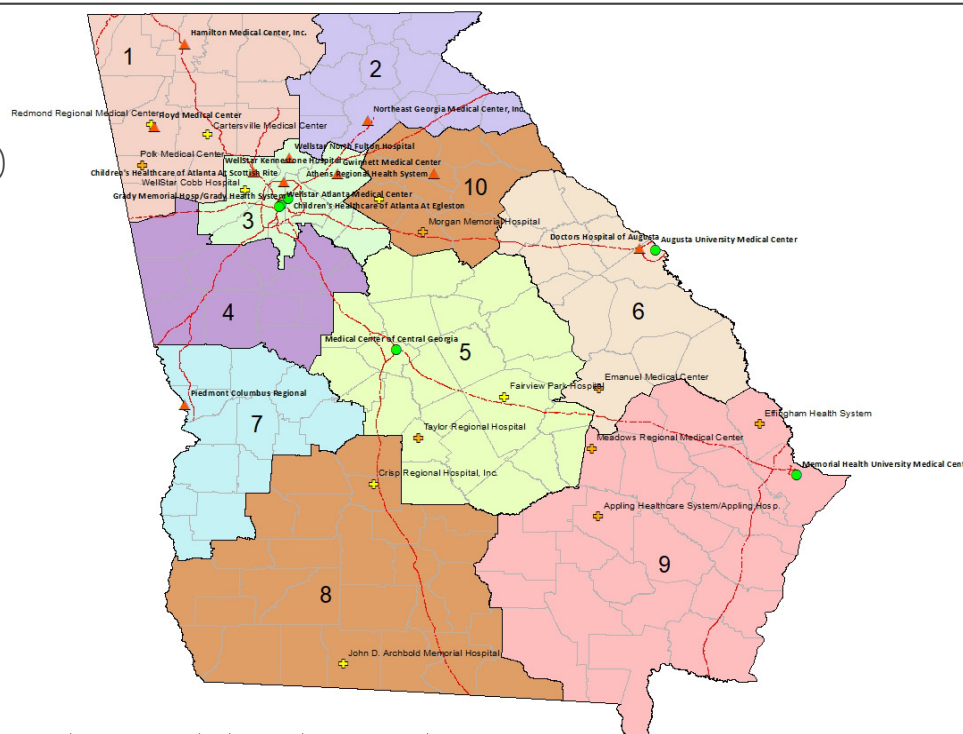
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# The Georgia Trauma System Inpatient Services

- Level I (5 + 1P)
- Level II (8 + 2P)
- Level III (8)
- Level IV (9)\*



EMS Region	Centers
1	5
2	1
3	8
4	0*
5	3
6	2
7	1
8	2
9	4
10	3

\*Since this writing, EMS-4 added a Level III (Piedmont Henry in Henry) and two Level IV centers (Wellstar W. GA MC in Troup, Wellstar Spalding Reg. H in Spalding)

\*Source: <https://dph.georgia.gov/EMS/specialty-care-centers-cardiac-trauma-stroke/designated-trauma-specialty-care-centers>

# Proximity to DTC

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TRAVEL DISTANCE

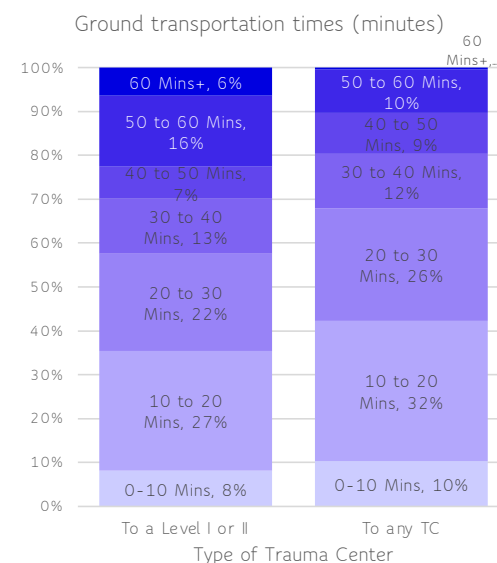
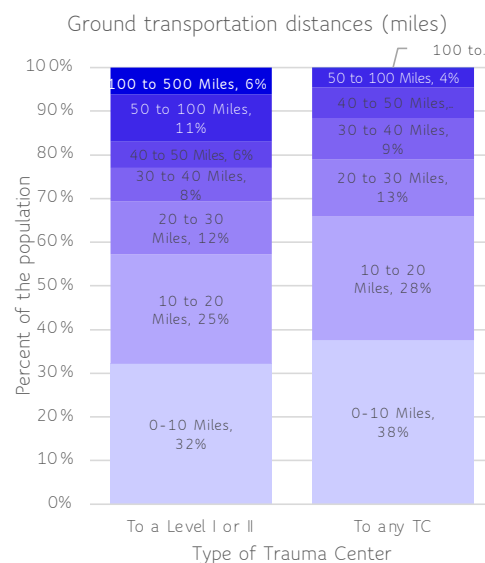
TRAVEL TIME



# Proximity to the population

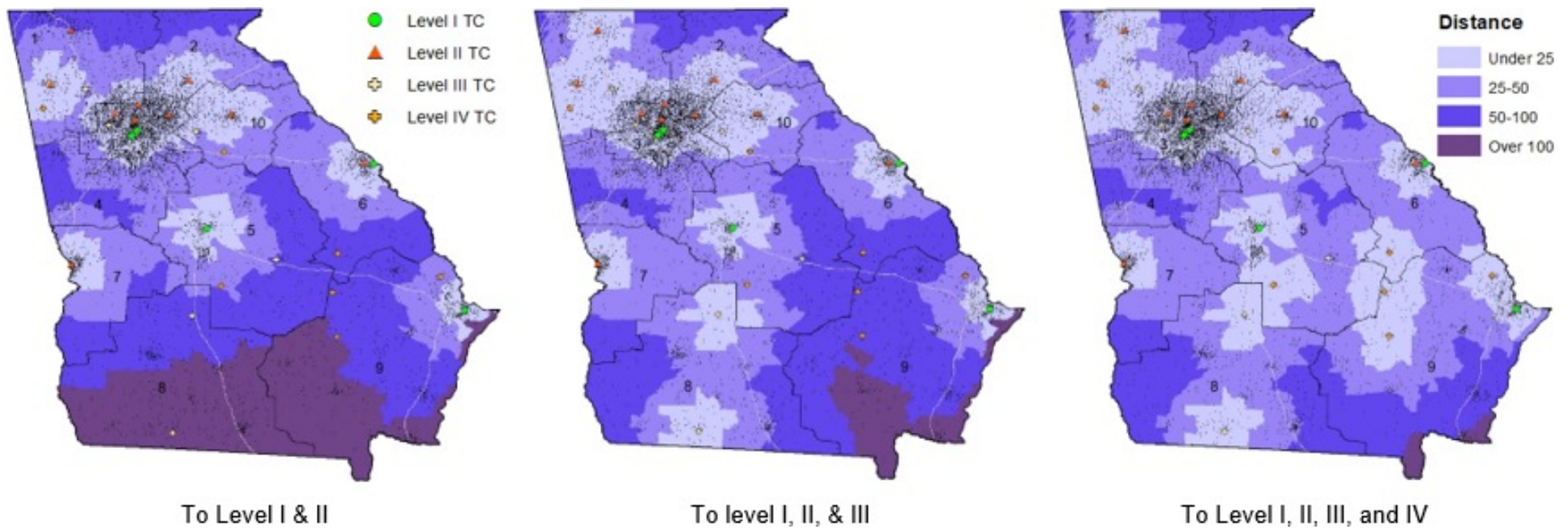
## Ground Transportation

- Driving Distance
  - 83% within 50 miles of Level I/II
  - 96% within 50 miles of Level I/II/III/IV
- Driving Time
  - 94% within 1 Hour of Level I/II
  - 99% within 1 Hour of Level I/II/III/IV



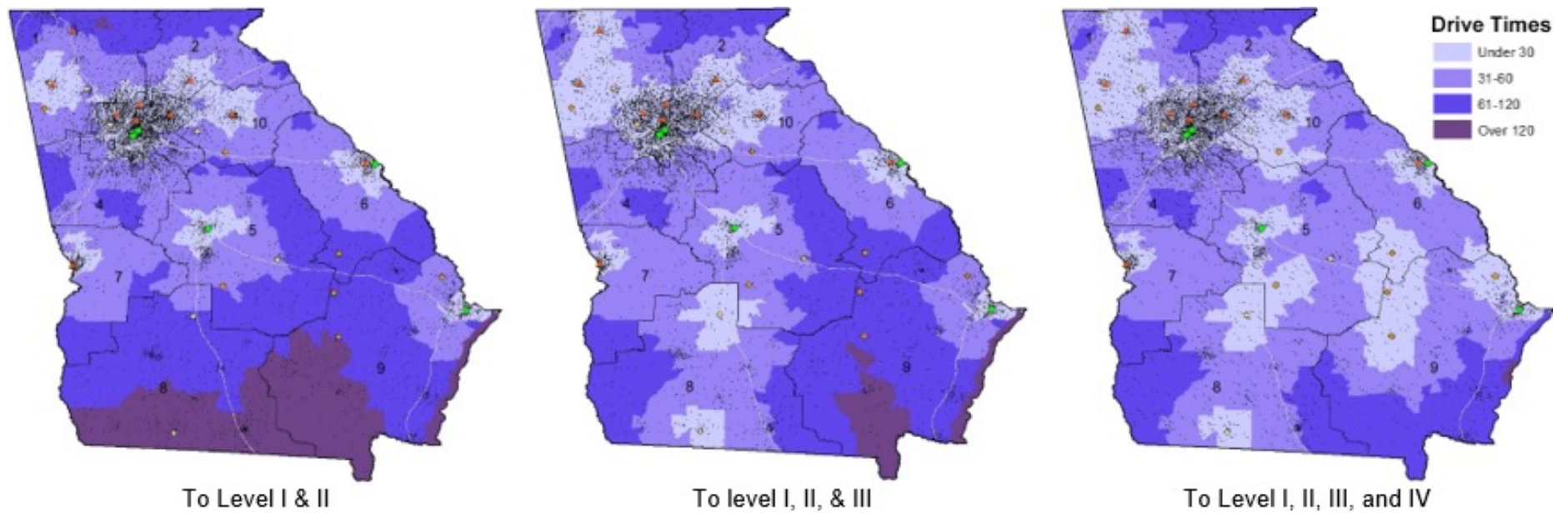
# Driving Distance

2022 Configuration



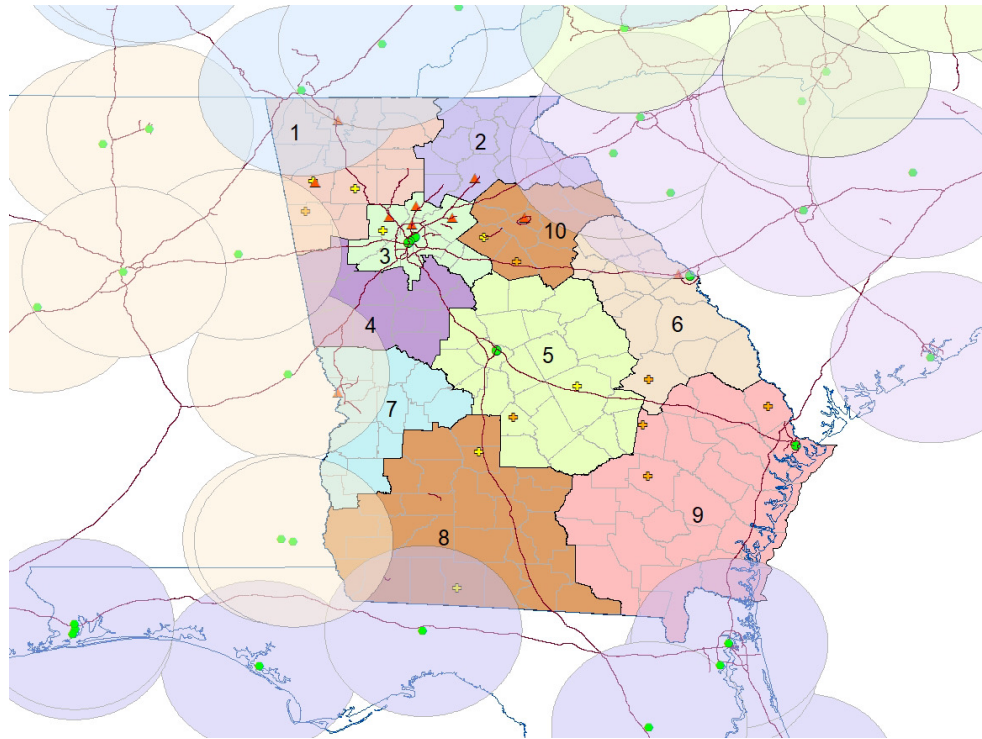
# Driving Time

2022 Configuration



# Level I&II Trauma Centers in Neighboring States (with 50 mile buffers)

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# The Data

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## Sources:

- Georgia Department of Public Health (Public Health Information Portal)
- U.S. Census 2020
- Google Maps

# Trauma Alerts & Emergencies

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TRAUMA ALERTS

EMERGENCY CASES



# Number of trauma alert or emergency patients

Table 3.1: The number of injured patients classified as trauma alerts or emergencies by severity level.

Year	All patients classified as trauma alert	All patients classified as emergency but not trauma alert	Patients classified as trauma alert with (ICISS < 0.85)	Patients classified as emergency but not trauma alert with (ICISS < 0.85)	Patients classified as trauma alert or emergent with (ICISS < 0.85)
2016	13,783	62863	1128 (8.18)	3111 (4.95)	4239 (5.53)
2017	18,064	62315	1546 (8.56)	2239 (3.59)	3785 (4.71)
2018	17,712	67670	1360 (7.68)	2129 (3.15)	3489 (4.09)
2019	19,263	72413	1525 (7.92)	2257 (3.12)	3782 (4.13)
2020	20,433	70957	1600 (7.83)	2394 (3.37)	3994 (4.37)
	89,255	336,218	7159 (8.02)	12130 (3.61)	19289 (4.53)

Percent treated at a Level I or II DTC					
2016	98.30	58.13	99.02	74.06	80.70
2017	91.13	57.07	96.12	82.85	88.27
2018	92.23	57.18	96.47	84.26	89.02
2019	92.49	56.93	96.79	83.07	88.60
2020	88.06	56.95	94.44	84.88	88.71

Percent treated at a Level I, II, III, or IV DTC					
2016	99.91	61.83	100.00	76.31	82.61
2017	99.08	59.80	100.00	83.83	90.44
2018	99.65	61.48	99.93	86.57	91.77
2019	99.94	62.84	100.00	86.00	91.64
2020	99.93	63.23	100.00	88.30	92.99

# Structural change from ICD9 to 10

- Impact of structural change related to transition does not affect ICSS < 0.85
- $\Delta 2013-2014=30\%$ ;  $\Delta 2014-2016=33\%$

Table 1 (Add 2010-2014): Injured patients* classified as trauma alerts or emergent					
Year	All patients classified as trauma alert	All patients classified as emergency but not trauma alert	Patients classified as trauma alert with (ICISS < 0.85)	Patients classified as emergency but not trauma alert with (ICISS < 0.85)	Patients classified as trauma alert or emergent with (ICISS < 0.85)
2010	2,069	30,477	532	2,510	3,042
2011	2,309	31,391	656	2,474	3,130
2012	2,667	30,939	727	2,371	3,098
2013	2,429	32,022	651	2,353	3,004
2014	3,242	32,888	845	2,232	3,077
2016	13,783	62,863	1,128	3,111	4,239
2017	18,064	62,315	1,546	2,239	3,785
2018	17,712	67,670	1,360	2,129	3,489
2019	19,263	72,413	1,525	2,257	3,782
2020	20,433	70,957	1,600	2,394	3,994

# Demographic characteristics

## Trauma alert patients only

Table 4.1: Demographic distribution of trauma alert patients, 2016-2020

All severity levels									
	All (N)	Ped%	NEAdlt%	Eld%	Fem%	Male%	Black%	White%	Other%
2016	13783	0.93	70.70	28.29	32.45	67.55	23.69	67.23	9.08
2017	18064	1.63	65.40	32.94	35.45	64.55	23.12	68.37	8.50
2018	17712	0.97	64.62	34.30	36.63	63.37	24.16	67.27	8.57
2019	19263	1.08	61.03	37.71	36.42	63.58	23.37	66.81	9.82
2020	20433	1.13	64.15	34.52	33.65	66.35	25.31	65.38	9.30
Rate/100,000 pop in 2020	198	11.08	190.54	520.74	34.92	65.08	23.93	67.01	270.50

At risk patients (ICISS < 0.85)									
	All (N)	Ped%	NEAdlt%	Eld%	Fem%	Male%	Black%	White%	Other%
2016	1128	1.77	56.12	41.84	32.54	67.46	26.42	64.54	9.04
2017	1546	2.39	53.23	44.24	33.76	66.24	26.26	65.01	8.73
2018	1360	1.76	52.28	45.66	34.56	65.44	25.81	65.44	8.75
2019	1525	1.57	52.33	45.51	33.64	66.36	26.75	62.49	10.75
2020	1600	0.44	58.25	40.81	30.88	69.13	30.00	60.31	9.69
Rate/100,000 pop in 2020	16	0.34	13.55	48.21	9.34	22.04	14.53	15.31	22.06

# Demographic characteristics

## Trauma alert + emergency cases

Table 4.2: Demographic distribution of trauma alert and emergency patients, 2016-2020

All severity levels									
	All (N)	Ped%	NEAdlt%	Eld%	Fem%	Male%	Black%	White%	Other%
2016	76646	3.13	53.41	43.33	43.95	56.05	24.68	68.95	6.38
2017	80379	2.76	51.24	45.84	45.16	54.84	24.25	69.06	6.69
2018	85382	2.50	50.44	46.91	45.79	54.21	26.39	67.26	6.36
2019	91676	2.52	49.68	47.66	44.99	55.01	25.69	67.25	7.07
2020	91390	2.54	51.87	45.39	42.97	57.03	27.37	65.59	7.04
Rate/100,000 pop in 2020	887	111.85	689.14	3062.86	742.30	1038.64	756.96	951.25	915.66

At risk patients (ICISS < 0.85)									
	All (N)	Ped%	NEAdlt%	Eld%	Fem%	Male%	Black%	White%	Other%
2016	4239	4.32	51.43	44.09	37.79	62.21	31.54	61.19	7.27
2017	3785	3.38	50.86	45.57	35.93	64.07	31.23	60.58	8.19
2018	3489	3.64	49.44	46.72	37.12	62.88	32.96	59.01	8.03
2019	3782	3.54	51.45	44.58	33.58	66.42	33.71	56.93	9.36
2020	3994	2.63	57.79	38.81	32.90	67.10	37.48	53.00	9.51
Rate/100,000 pop in 2020	39	5.06	33.55	114.44	24.84	53.41	45.31	33.59	54.07

# Insurance Type

Table 4.3: Insurance Status of Injured Patients

	Uninsured	Medicare	Medicaid	Commercial	Work-Comp	Other Ins
Trauma alerts only						
2016	13.41	24.79	8.06	33.84	2.52	16.57
2017	11.12	27.23	7.80	27.46	2.32	23.11
2018	14.74	30.16	7.17	18.42	1.65	27.16
2019	14.53	31.77	6.55	16.38	1.24	28.75
2020	17.37	31.97	6.96	19.37	1.30	22.27
Trauma alerts and emergencies						
2016	12.03	41.89	8.92	20.21	1.99	14.27
2017	12.41	44.56	8.86	18.70	1.68	13.20
2018	13.31	46.44	9.05	15.68	1.61	13.49
2019	13.52	46.96	8.35	14.86	1.43	14.23
2020	14.90	45.88	8.75	15.48	1.31	13.09

\*"Other" is a value entered for payor by the treating facility. For this report, patients with "unknown" payor were added to this category. The value "unknown" accounted for 0.35% of trauma alert patients. (%Uninsured in GA=13.4)

# Type of injury

Table 4.4: Injury type by alert and at-risk status

	Trauma Alerts		Emergency		All Injury Cases	
	All	At-risk	All	At-risk	All	At-risk
	(N=89,255)	(N=7,159)	(N=336,218)	(N=12,130)	(N=425,473)	(N=19,289)
TBI	12.1%	46.9%	7.3%	38.5%	8.3%	41.6%
SSCI	63.3%	57.8%	41.5%	47.7%	46.0%	51.4%
Fractures	14.8%	25.1%	17.1%	21.1%	16.6%	22.6%
Torso	13.0%	56.2%	6.8%	48.1%	8.1%	51.1%
Vascular	2.1%	10.8%	1.3%	12.6%	1.4%	11.9%
Other Injuries*	14.6%	2.7%	34.3%	9.8%	30.2%	7.2%
LOS (mean,std)	8.3 (12.1)	12.3 (17.3)	6.4 (8.5)	11.4 (17.6)	6.8 (9.4)	11.7 (17.4)
Expired	4.8%	16.1%	2.6%	11.7%	3.1%	13.3%

# Treated at a trauma center

## All injured patients, all age groups

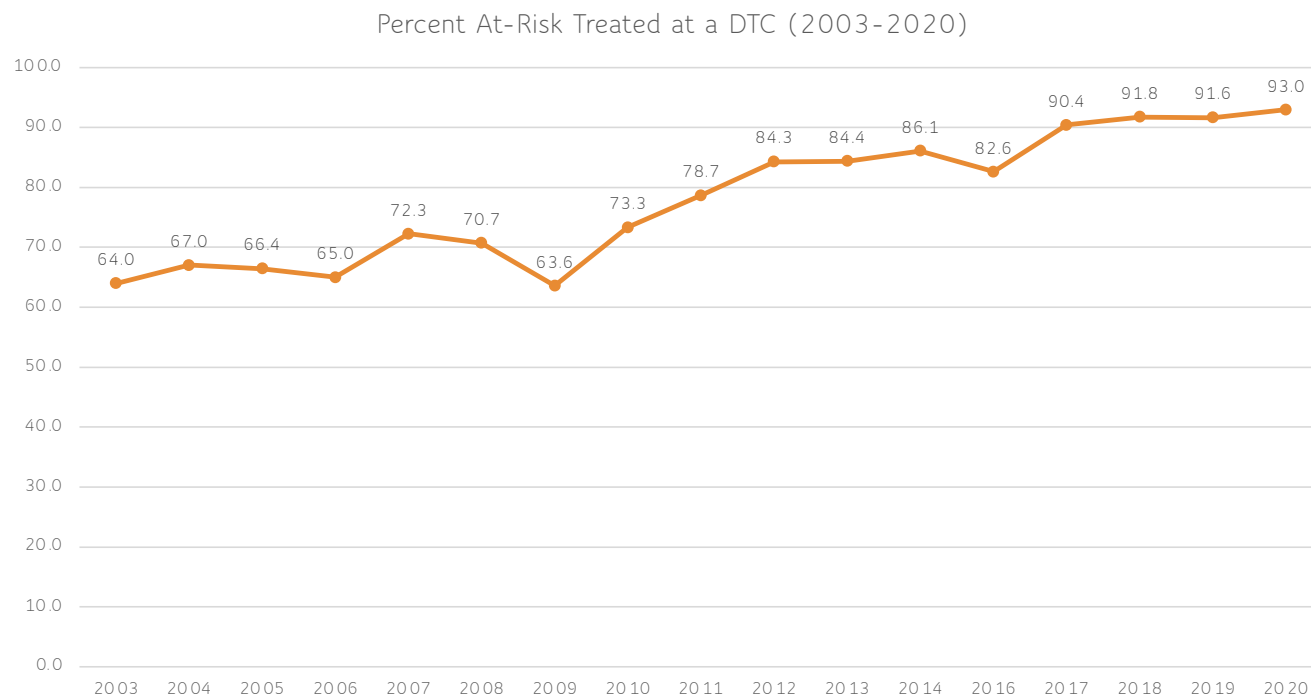
Table 5.1: The number and percentage of injured patients, by year and severity level, treated at a DTC

All injured patients					At risk injured patients				Low to moderate risk			
To a DTC					To a DTC				To a DTC			
Year	All	As Alert	As EM*	Total	All	As Alert	As EM*	Total	All	As Alert	As EM*	Total
2016	76,646	18%	51%	69%	4,239	27%	56%	83%	72,407	17%	50%	68%
2017	80,379	22%	46%	69%	3,785	41%	50%	90%	76,594	21%	46%	68%
2018	85,382	21%	49%	69%	3,489	39%	53%	92%	81,893	20%	49%	68%
2019	91,676	21%	50%	71%	3,782	40%	51%	92%	87,894	20%	50%	70%
2020	91,390	22%	49%	71%	3,994	40%	53%	93%	87,396	22%	49%	70%

\*EM = Emergency

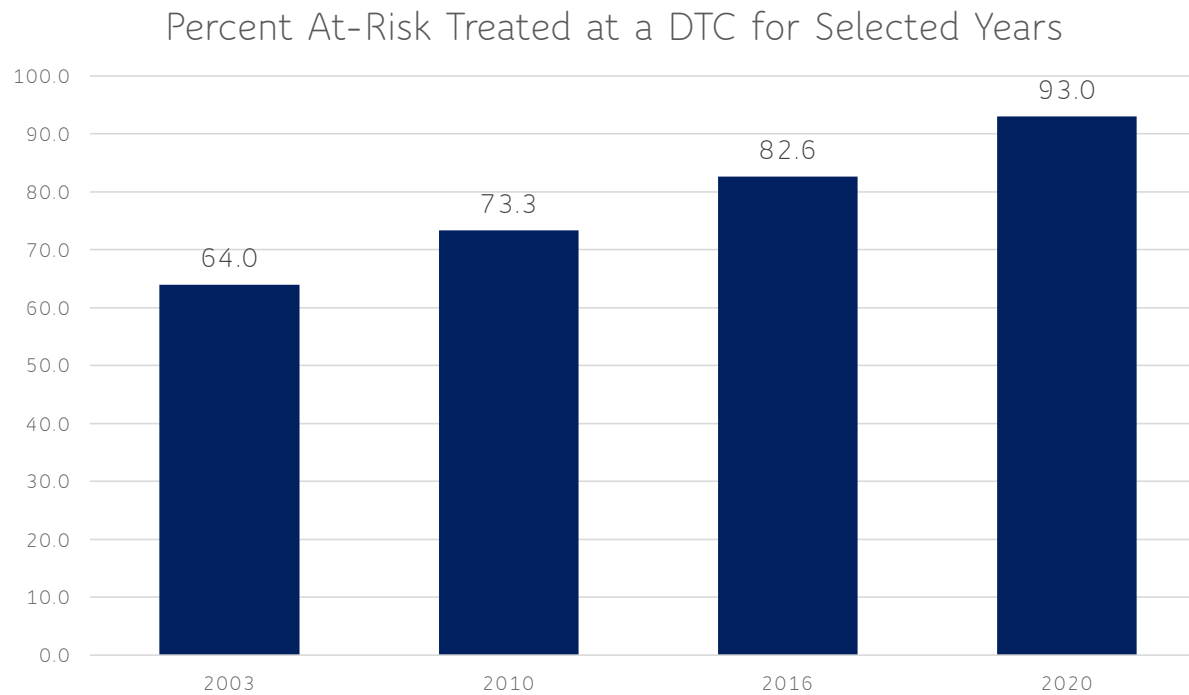
# Percent At-Risk Treated at a DTC, 2003-2020

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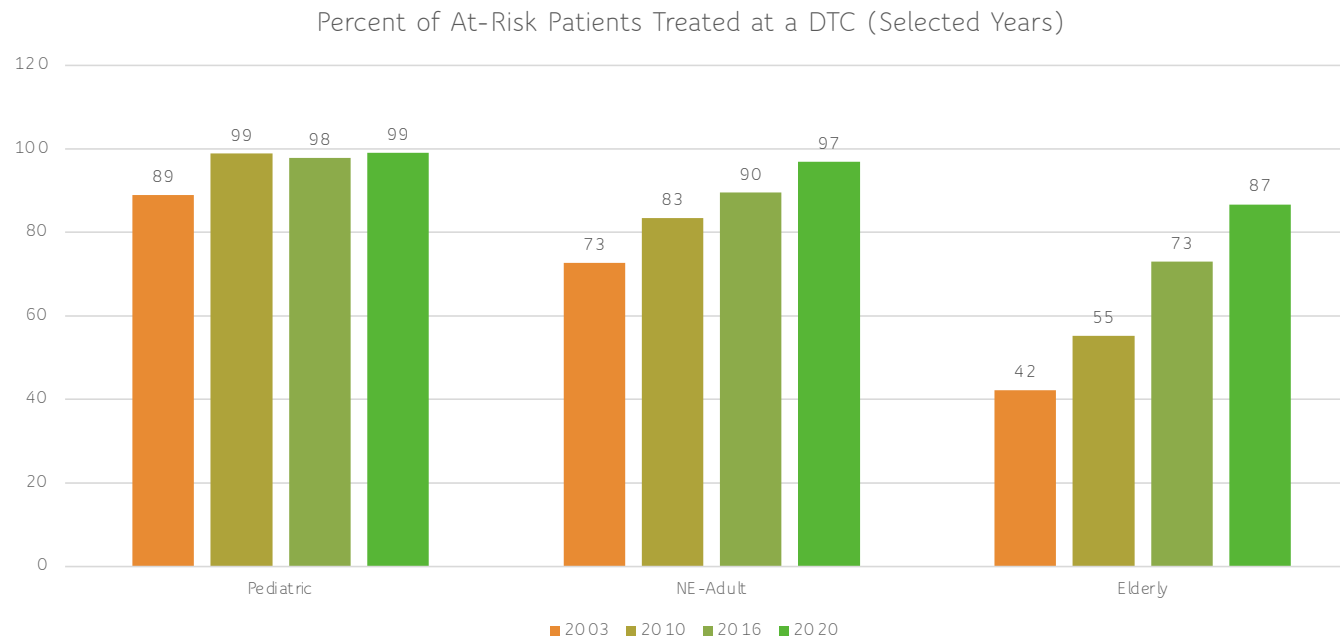
# Percent At-Risk Treated at a DTC, Selected Years

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# Percent of at-risk patients (selected years)

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# Treated at a trauma center, by age group

Table 5.2: The number and percentage of at-risk injured patients, by year and age group, treated at a DTC

	Pediatric To a DTC				Non-Elderly Adults To a DTC				Elderly To a DTC			
	N	As Alert	As EM	Total	N	As Alert	As EM	Total	N	As Alert	As EM	Total
2016	183	11%	87%	98%	2180	29%	61%	90%	1869	25%	48%	73%
2017	128	29%	71%	100%	1925	43%	53%	96%	1725	40%	44%	83%
2018	127	19%	81%	100%	1725	41%	56%	97%	1630	38%	47%	85%
2019	134	18%	82%	100%	1946	41%	56%	97%	1686	41%	44%	85%
2020	105	7%	92%	99%	2308	40%	56%	97%	1550	42%	45%	87%

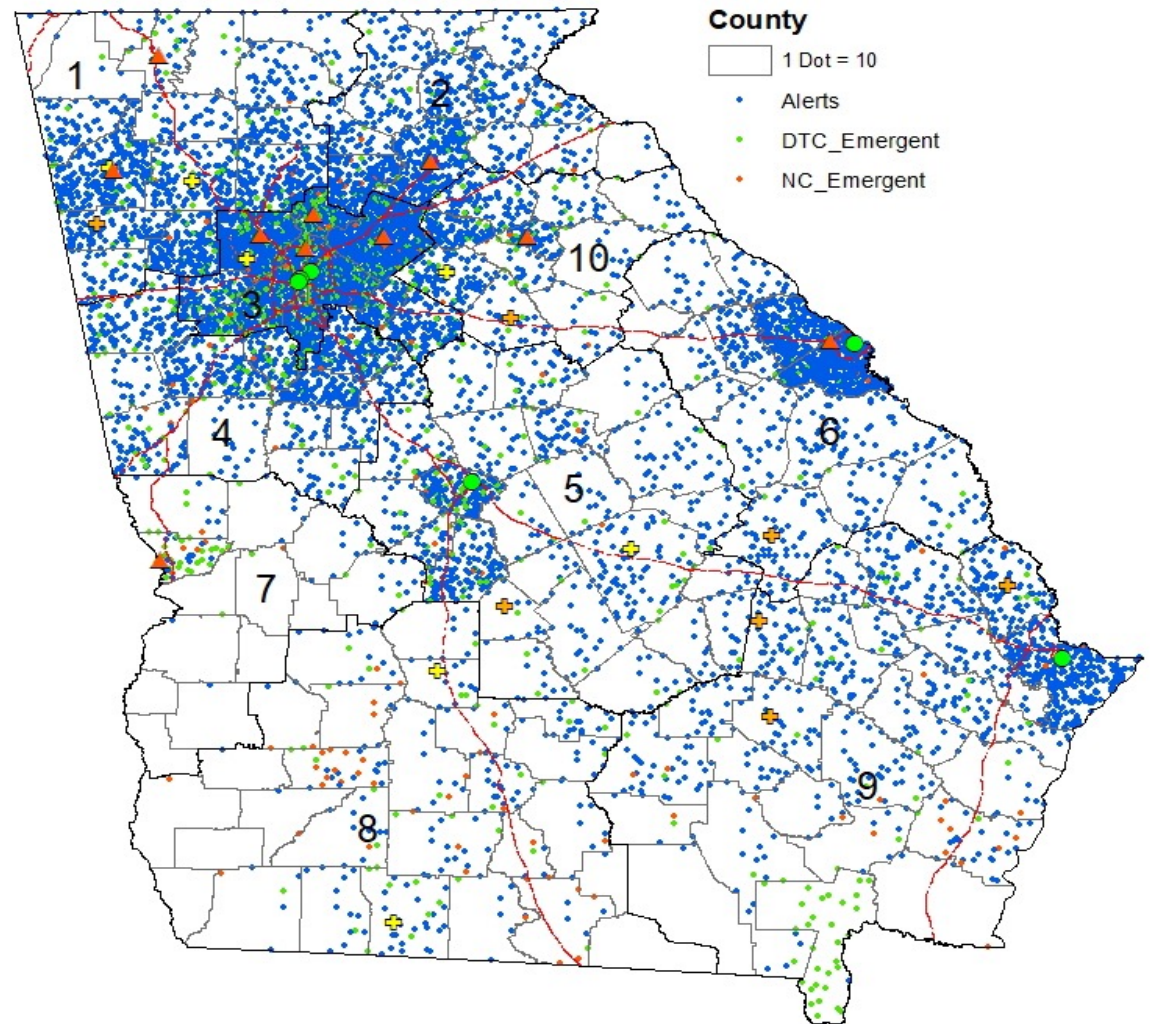
# Geographic distribution of injured patients by admission & facility type

Dot color code:

Blue – classified as trauma alert (treated at DTC)

Green – Emergency patients who were at-risk and treated at a DTC

Red – Emergency patients who were at-risk but treated at an NC



# EMS Regions

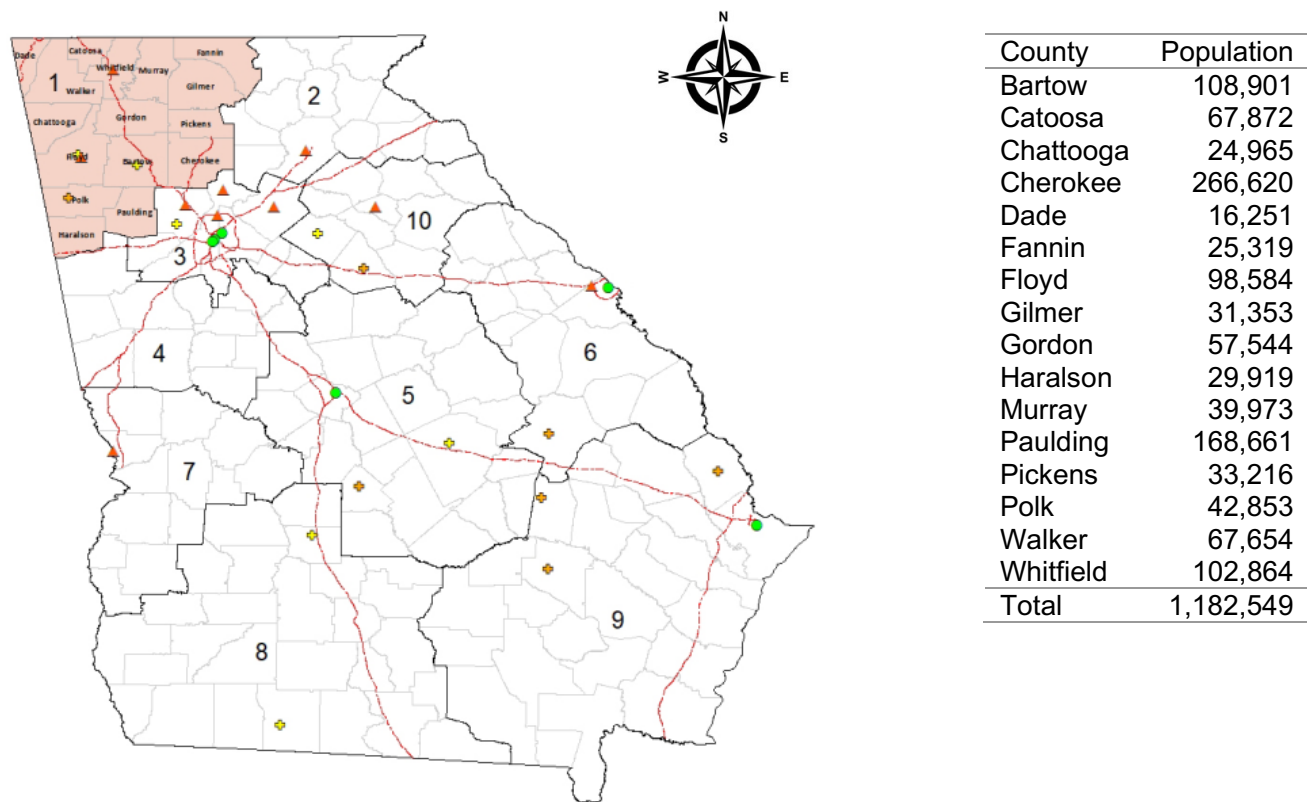
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LOCATION, COUNTY COMPOSITION AND POPULATION,  
TRANSPORTATION DISTANCES AND TIMES, TRIAGE TO DTC



# EMS Region 1: Geography

## A1: EMS Region 1



**Centers:**  
Level I:  
Level II: 1  
Level III: 3  
Level IV: 1

Figure A1: EMS Region 1

# EMS Region 1: Transportation

Table A1.1: Average ground transportation distances and times for EMS Region 1 residents to the nearest DTC

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Bartow	23.4	9.1	29.8	15.6
Catoosa	60.8	19.6	69.4	25.3
Chattooga	25.7	25.4	34.5	34.4
Cherokee	16.2	15.6	25.4	24.5
Dade	69.1	47.7	85.9	53.4
Fannin	72.2	59.2	86.8	81.6
Floyd	6.6	6.3	12.2	11.7
Gilmer	54.5	40.4	67.4	58.6
Gordon	27.9	23.6	36.9	28.8
Haralson	41.4	24.2	50.6	29.6
Murray	50.0	16.5	67.4	28.8
Paulding	20.6	16.1	35.0	27.2
Pickens	38.0	35.0	48.8	46.0
Polk	21.4	7.7	29.8	11.0
Walker	50.3	27.4	65.0	39.6
Whitfield	50.0	6.5	59.7	13.8
EMS 1 Mean	32.0	17.8	42.2	26.5
EMS 1 Median	26.1	15.7	36.5	25.0

# EMS Region 1: Triage Percent & Rate

Table A1.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS Region 1

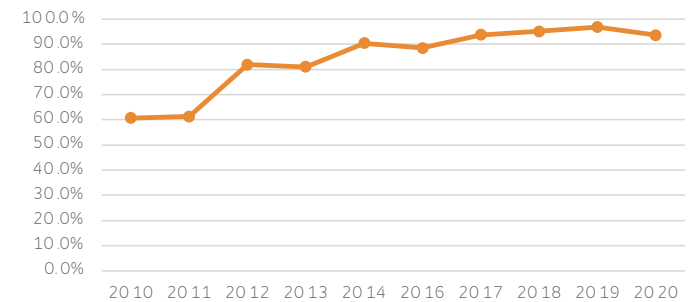
County	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS1	Retention (% of TC treated in EMS1)	Annual average at risk patients per 100000 population
Bartow	194	181	93%	41	23%	35.63
Catoosa	6	5	83%	3	60%	1.77
Chattooga	41	41	100%	39	95%	32.85
Cherokee	308	274	89%	7	3%	23.10
Dade	2	2	100%		0%	2.46
Fannin	28	24	86%	1	4%	22.12
Floyd	197	196	99%	173	88%	39.97
Gilmer	54	49	91%		0%	34.45
Gordon	47	38	81%	27	71%	16.34
Haralson	81	77	95%	13	17%	54.15
Murray	28	28	100%	24	86%	14.01
Paulding	254	237	93%	8	3%	30.12
Pickens	66	64	97%		0%	39.74
Polk	78	77	99%	44	57%	36.40
Walker	12	8	67%	4	50%	3.55
Whitfield	83	83	100%	73	88%	16.14
Total	1479	1384	94%	457	33%	25.01

# EMS Region 1: Triage Time-Series

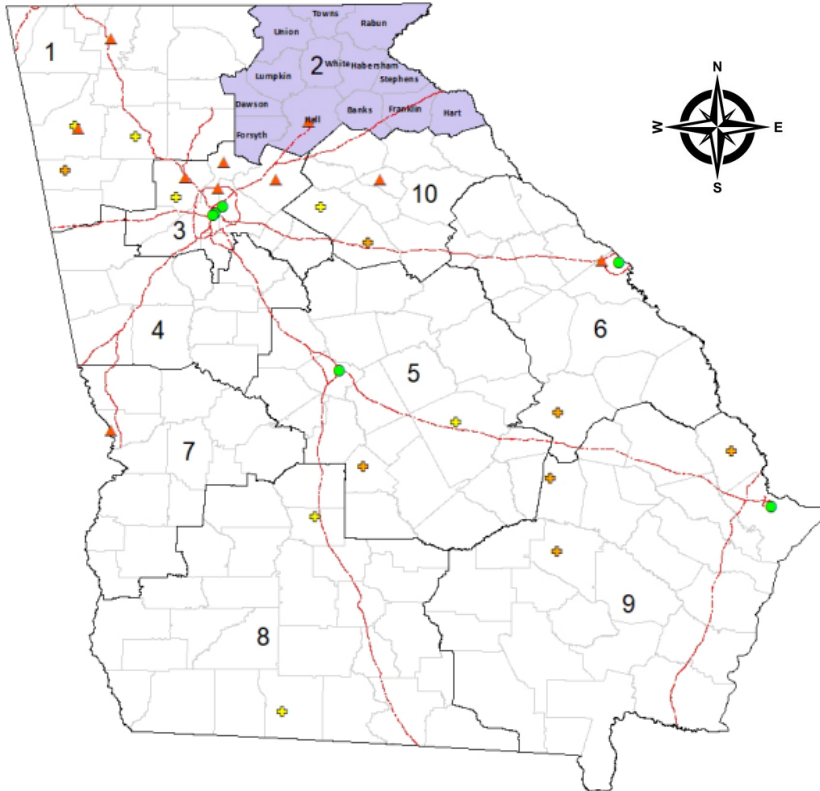
Table A1.3: At risk patients from EMS Region 1, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 1	Level I/II DTC in EMS 1	% DTC	% Retention	% Retention Level I or II
2010	239	145	60	60	60.7%	25.1%	25.1%
2011	217	133	46	46	61.3%	21.2%	21.2%
2012	210	172	53	53	81.9%	25.2%	25.2%
2013	226	183	59	59	81.0%	26.1%	26.1%
2014	241	218	91	73	90.5%	37.8%	30.3%
2016	289	256	107	87	88.6%	37.0%	30.1%
2017	271	254	77	66	93.7%	28.4%	24.4%
2018	285	271	80	63	95.1%	28.1%	22.1%
2019	286	277	82	60	96.9%	28.7%	21.0%
2020	348	326	111	85	93.7%	31.9%	24.4%

Percent of EMS 1 At-Risk Patients Treated at a DTC, 2010-2020



# EMS Region 2: Geography



County	Population
Banks	18,035
Dawson	26,798
Forsyth	251,283
Franklin	23,424
Habersham	46,031
Hall	203,136
Hart	25,828
Lumpkin	33,488
Rabun	16,883
Stephens	26,784
Towns	12,493
Union	24,632
White	28,003
Total	736,818

**Centers:**

Level I:

Level II: 1

Level III:

Level IV:

# EMS Region 2: Transportation

Table A2.1: Average ground transportation distances and times for EMS Region 2 residents to the nearest DTC

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Banks	23.7	23.7	33.7	33.7
Dawson	26.0	26.0	41.2	41.2
Forsyth	16.6	16.6	27.0	27.0
Franklin	37.7	37.7	49.4	49.4
Habersham	29.2	29.2	36.9	36.9
Hall	8.8	8.8	16.6	16.6
Hart	45.5	45.5	59.1	59.1
Lumpkin	23.4	23.4	35.5	35.5
Rabun	59.3	59.3	74.1	74.1
Stephens	43.9	43.9	51.6	51.6
Towns	58.3	58.3	84.7	84.7
Union	58.9	58.7	85.1	84.7
White	27.4	27.4	39.8	39.8
EMS 2 Mean	25.3	25.3	36.4	36.4
EMS 2 Median	20.0	20.0	30.0	30.0

# EMS Region 2: Triage Percent & Rate

Table A2.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS Region 2

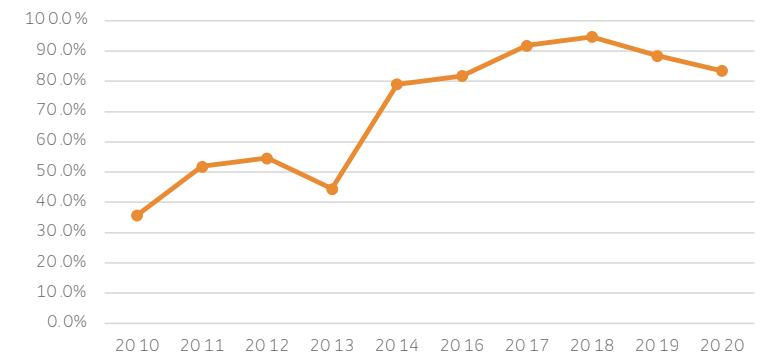
County	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS2	Retention (% of TC treated in EMS2)	Annual average at risk patients per 100000 population
Banks	31	30	97%	18	60%	34.38
Dawson	52	41	79%	25	61%	38.81
Forsyth	247	169	68%	29	17%	19.66
Franklin	45	37	82%	9	24%	38.42
Habersham	75	68	91%	60	88%	32.59
Hall	323	319	99%	265	83%	31.80
Hart	13	10	77%	1	10%	10.07
Lumpkin	59	57	97%	43	75%	35.24
Rabun	32	31	97%	29	94%	37.91
Stephens	57	48	84%	39	81%	42.56
Towns	25	22	88%	22	100%	40.02
Union	53	51	96%	40	78%	43.03
White	59	58	98%	50	86%	42.14
Total	1071	941	88%	630	67%	29.07

# EMS Region 2: Triage Time-Series

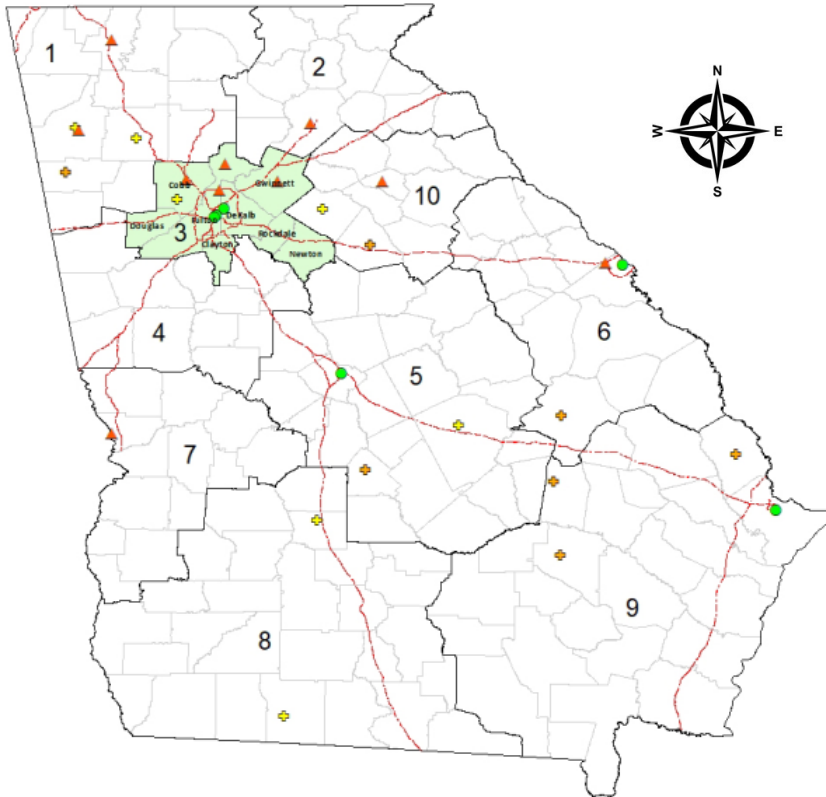
Table A2.3: At risk patients from EMS Region 2, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 2	Level I/II DTC in EMS 2	% DTC	% Retention	% Retention Level I or II
2010	190	68	0	0	35.8%	0.0%	0.0%
2011	185	96	0	0	51.9%	0.0%	0.0%
2012	141	77	0	0	54.6%	0.0%	0.0%
2013	164	73	0	0	44.5%	0.0%	0.0%
2014	148	117	56	56	79.1%	37.8%	37.8%
2016	225	184	117	117	81.8%	52.0%	52.0%
2017	196	180	130	130	91.8%	66.3%	66.3%
2018	207	196	126	126	94.7%	60.9%	60.9%
2019	225	199	128	128	88.4%	56.9%	56.9%
2020	218	182	129	129	83.5%	59.2%	59.2%

Percent of EMS 2 At-Risk Patients Treated at a DTC, 2010-2020



# EMS Region 3: Geography



County	Population
Clayton	297,595
Cobb	766,149
DeKalb	764,382
Douglas	144,237
Fulton	1,066,710
Gwinnett	957,062
Newton	112,483
Rockdale	93,570
Total	4,202,188

## Centers:

Level I: 2  
Level II: 4  
Level III:  
Level IV:  
Pediatric I: 1  
Pediatric II: 1

# EMS Region 3: Transportation

Table A3.1: Average ground transportation distances and times to the nearest DT for EMS Region 3 residents C

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Clayton	17.1	17.1	26.3	26.3
Cobb	8.7	7.1	17.1	14.6
DeKalb	8.3	8.3	17.8	17.8
Douglas	23.9	15.8	31.3	27.4
Fulton	7.4	7.3	14.7	14.7
Gwinnett	9.6	9.6	19.0	18.9
Newton	33.7	22.8	43.4	33.2
Rockdale	26.2	22.1	33.6	31.9
EMS 3 Mean	10.4	9.5	18.9	18.0
EMS 3 Median	8.8	8.3	18.0	17.0

# EMS Region 3: Triage Percent & Rate

Table A3.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS Region 3

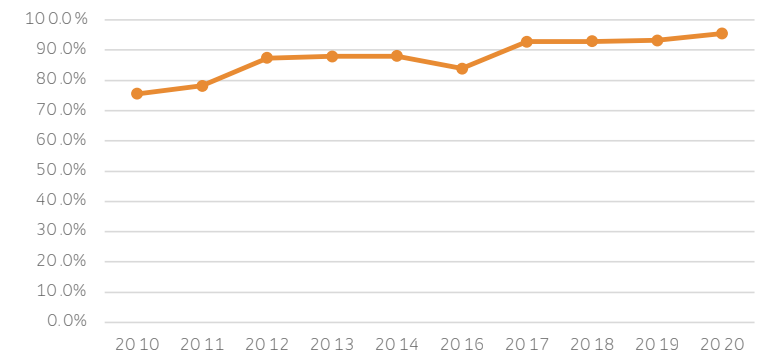
County	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS3	Retention (% of TC treated in EMS3)	Annual average at risk patients per 100000 population
Clayton	614	585	95%	563	96%	Clayton
Cobb	1043	975	93%	947	97%	Cobb
DeKalb	1525	1349	88%	1317	98%	DeKalb
Douglas	231	215	93%	211	98%	Douglas
Fulton	2192	2008	92%	1955	97%	Fulton
Gwinnett	1220	1124	92%	1049	93%	Gwinnett
Newton	225	210	93%	181	86%	Newton
Rockdale	189	168	89%	158	94%	Rockdale
Total	7239	6634	92%	6381	96%	Total

# EMS Region 3: Triage Time-Series

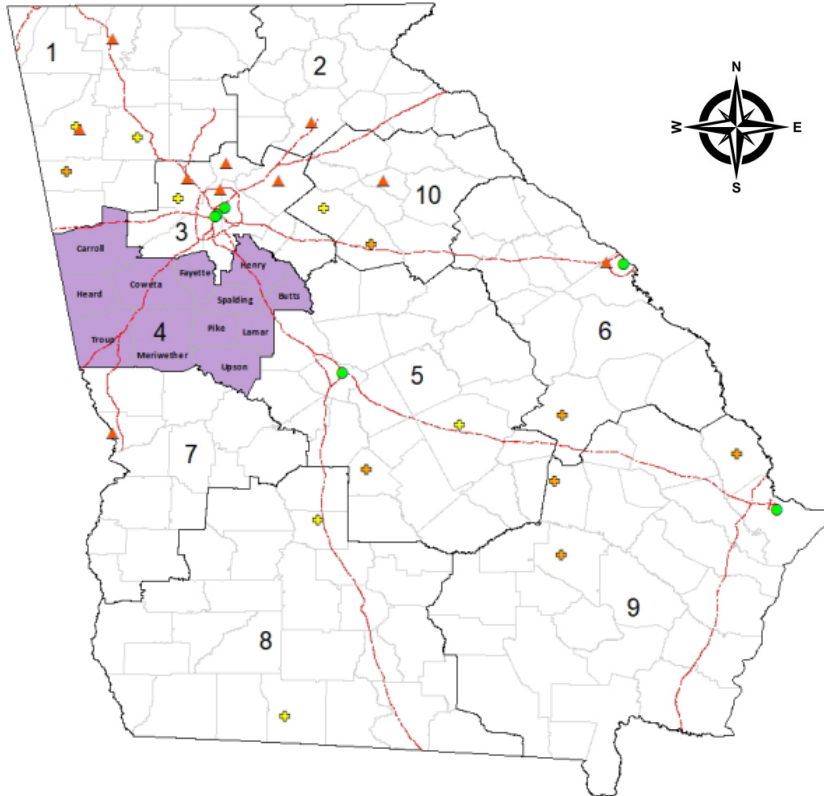
Table A3.3: At risk patients from EMS Region 3, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 3	Level I/II DTC in EMS 3	% DTC	% Retention	% Retention Level I or II
2010	858	648	624	624	75.5%	72.7%	72.7%
2011	922	721	694	694	78.2%	75.3%	75.3%
2012	896	783	748	748	87.4%	83.5%	83.5%
2013	889	782	746	746	88.0%	83.9%	83.9%
2014	968	852	822	822	88.0%	84.9%	84.9%
2016	1512	1269	1203	1203	83.9%	79.6%	79.6%
2017	1297	1203	1149	1149	92.8%	88.6%	88.6%
2018	1335	1240	1200	1200	92.9%	89.9%	89.9%
2019	1477	1377	1331	1312	93.2%	90.1%	88.8%
2020	1618	1545	1498	1477	95.5%	92.6%	91.3%

Percent of EMS 3 At-Risk Patients Treated at a DTC, 2010-2020



# EMS Region 4: Geography



County	Population
Butts	25,434
Carroll	119,148
Coweta	146,158
Fayette	119,194
Heard	11,412
Henry	240,712
Lamar	18,500
Meriwether	20,613
Pike	18,889
Spalding	67,306
Troup	69,426
Upson	27,700
Total	884,492

# EMS Region 4: Transportation

Table A4.1: Average ground transportation distances and times for EMS Region 4 residents to the nearest DTC

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Butts	42.9	40.8	50.9	48.9
Carroll	46.2	35.8	53.1	44.5
Coweta	39.4	39.3	44.4	44.4
Fayette	28.7	28.7	39.7	39.7
Heard	63.5	58.0	71.9	68.0
Henry	29.7	29.3	37.9	37.7
Lamar	39.8	39.8	46.7	46.7
Meriwether	46.8	46.8	56.2	56.2
Pike	50.2	50.2	65.3	65.3
Spalding	41.0	41.0	53.5	53.5
Troup	46.1	46.1	50.9	50.9
Upson	46.2	46.2	59.9	59.9
EMS 4 Mean	38.6	36.8	47.0	45.6
EMS 4 Median	38.65	37.1	47	45

# EMS Region 4: Triage Percent & Rate

Table A4.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS Region 4

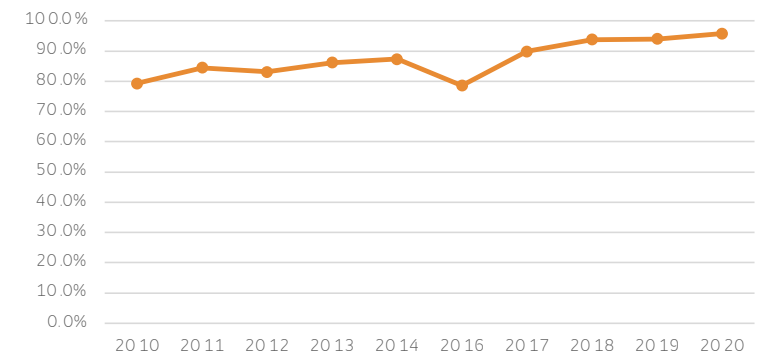
	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS4	Retention (% of TC treated in EMS4)	Annual average at risk patients per 100000 population
Butts	67	64	96%	0	0.0	52.69
Carroll	265	250	94%	0	0.0	44.48
Coweta	247	222	90%	0	0.0	33.80
Fayette	204	176	86%	0	0.0	34.23
Heard	47	46	98%	0	0.0	82.37
Henry	377	348	92%	0	0.0	31.32
Lamar	33	29	88%	0	0.0	35.68
Meriwether	47	35	74%	0	0.0	45.60
Pike	44	43	98%	0	0.0	46.59
Spalding	147	136	93%	0	0.0	43.68
Troup	156	134	86%	0	0.0	44.94
Upson	65	55	85%	0	0.0	46.93
Total	1699	1538	91%	0	0.0	38.42

# EMS Region 4: Triage Time-Series

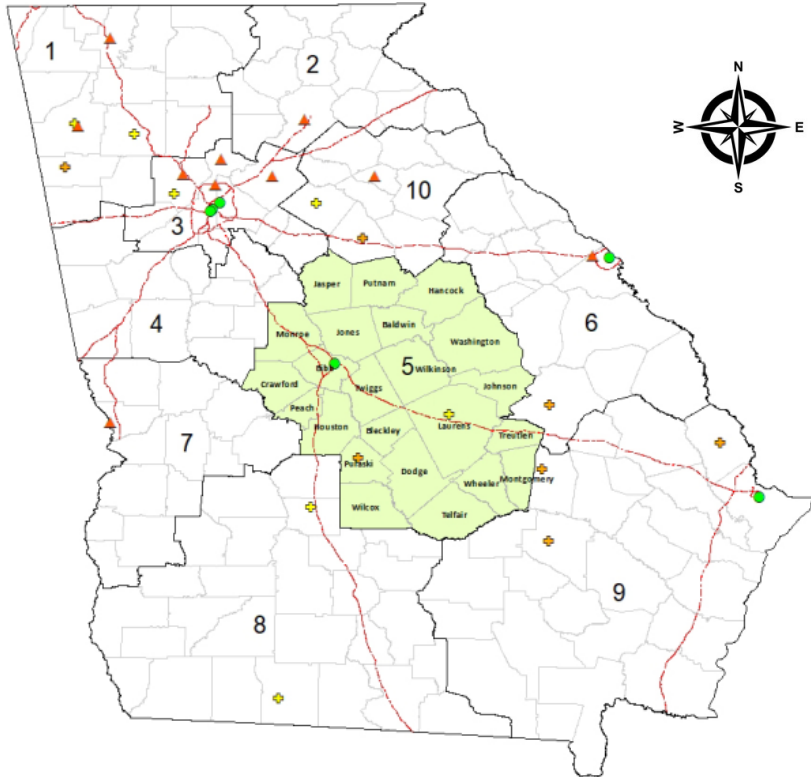
Table A4.3: At risk patients from EMS Region 4, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 4	Level I/II DTC in EMS 4	% DTC	% Retention	% Retention Level I or II
2010	188	149	0	0	79.3%	0.0%	0.0%
2011	232	196	0	0	84.5%	0.0%	0.0%
2012	236	196	0	0	83.1%	0.0%	0.0%
2013	209	180	0	0	86.1%	0.0%	0.0%
2014	220	192	0	0	87.3%	0.0%	0.0%
2016	336	264	0	0	78.6%	0.0%	0.0%
2017	315	283	0	0	89.8%	0.0%	0.0%
2018	320	300	0	0	93.8%	0.0%	0.0%
2019	350	329	0	0	94.0%	0.0%	0.0%
2020	378	362	0	0	95.8%	0.0%	0.0%

Percent of EMS 4 At-Risk Patients Treated at a DTC, 2010-2020



# EMS Region 5: Geography



County	Population
Baldwin	43,799
Bibb	157,346
Bleckley	12,583
Crawford	12,130
Dodge	19,925
Hancock	8,735
Houston	163,633
Jasper	14,588
Johnson	9,189
Jones	28,347
Laurens	49,570
Monroe	27,957
Montgomery	8,610
Peach	27,981
Pulaski	9,855
Putnam	22,047
Telfair	12,477
Treutlen	6,406
Twiggs	8,022
Washington	19,988
Wheeler	7,471
Wilcox	8,766
Wilkinson	8,877
Total	688,302

**Centers:**  
 Level I: 1  
 Level II:  
 Level III: 1  
 Level IV: 1

# EMS Region 5: Transportation

Table A5.1: Average ground transportation distances and times for EMS Region 5 residents to the nearest DTC

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Baldwin	34.1	34.0	45.6	45.0
Bibb	5.7	5.7	12.7	12.7
Bleckley	40.0	14.0	47.3	19.8
Crawford	24.3	24.3	34.9	34.9
Dodge	60.7	24.1	69.2	29.5
Hancock	57.4	49.2	66.7	56.1
Houston	22.5	20.0	30.6	27.1
Jasper	43.0	27.1	55.1	34.2
Johnson	64.8	24.6	75.0	29.5
Jones	14.2	14.2	22.9	22.9
Laurens	55.3	35.3	57.5	43.1
Monroe	24.5	24.5	30.2	30.2
Montgomery	86.9	14.3	88.4	21.7
Peach	24.9	24.6	30.4	30.2
Pulaski	48.3	5.2	56.9	7.9
Putnam	44.3	25.6	57.0	33.7
Telfair	86.8	37.0	92.2	45.8
Treutlen	74.4	20.0	71.9	25.9
Twiggs	21.6	21.3	29.0	29.0
Washington	59.5	44.2	64.1	51.3
Wheeler	80.3	26.9	82.0	37.0
Wilcox	73.7	22.9	80.6	28.7
Wilkinson	29.6	29.6	38.0	38.0
EMS 5 Mean	30.9	20.4	38.2	27.7
EMS 5 Median	26.1	20.2	33.0	27.0

# EMS Region 5: Triage Percent & Rate

Table A5.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS  
Region 5

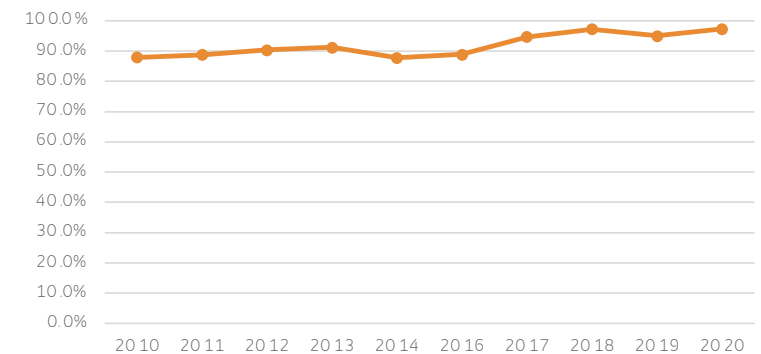
County	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS5	Retention (% of TC treated in EMS5)	Annual average at risk patients per 100000 population
Baldwin	98	90	92%	84	93%	44.75
Bibb	441	422	96%	402	95%	56.05
Bleckley	18	17	94%	16	94%	28.61
Crawford	49	47	96%	45	96%	80.79
Dodge	40	37	93%	34	92%	40.15
Hancock	21	19	90%	14	74%	48.08
Houston	296	265	90%	235	89%	36.18
Jasper	35	35	100%	15	43%	47.98
Johnson	25	24	96%	16	67%	54.41
Jones	66	66	100%	64	97%	46.57
Laurens	121	116	96%	97	84%	48.82
Monroe	82	79	96%	73	92%	58.66
Montgomery	23	23	100%	3	13%	53.43
Peach	65	59	91%	56	95%	46.46
Pulaski	22	22	100%	19	86%	44.65
Putnam	65	60	92%	39	65%	58.96
Telfair	25	25	100%	21	84%	40.07
Treutlen	17	17	100%	9	53%	53.08
Twiggs	31	31	100%	28	90%	77.29
Washington	52	51	98%	18	35%	52.03
Wheeler	13	13	100%	7	54%	34.80
Wilcox	26	26	100%	19	73%	59.32
Wilkinson	34	32	94%	28	88%	76.60
Total	1665	1576	95%	1342	85%	48.38

# EMS Region 5: Triage Time-Series

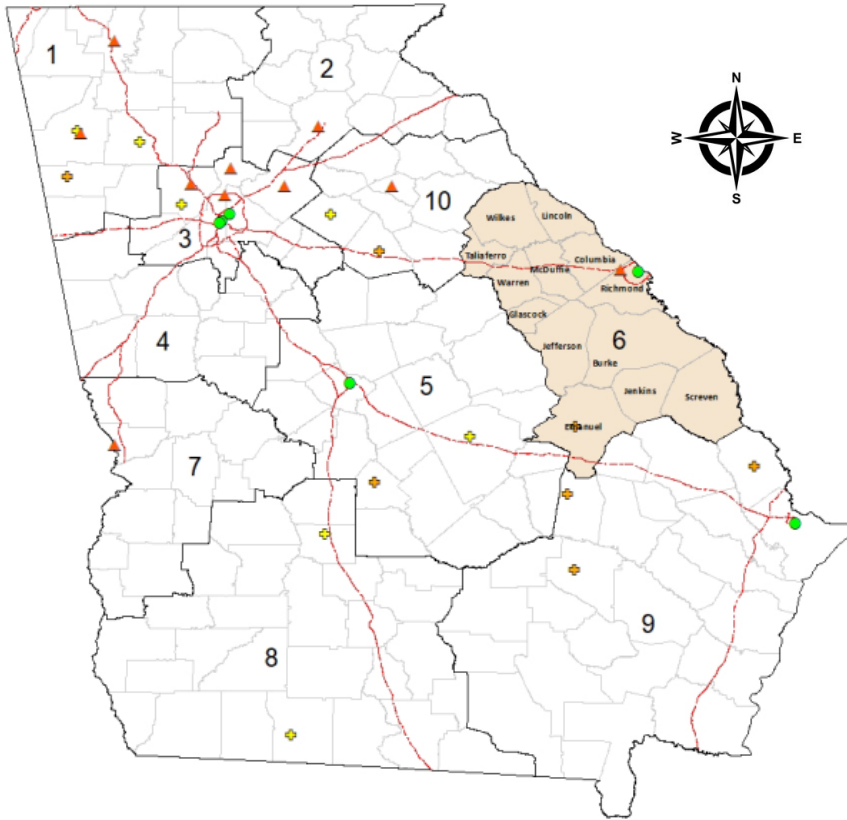
Table A5.3: At risk patients from EMS Region 5, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 5	Level I/II DTC in EMS 5	% DTC	% Retention	% Retention Level I or II
2010	306	269	227	227	87.9%	74.2%	74.2%
2011	259	230	203	202	88.8%	78.4%	78.0%
2012	290	262	217	214	90.3%	74.8%	73.8%
2013	274	250	211	211	91.2%	77.0%	77.0%
2014	254	223	188	187	87.8%	74.0%	73.6%
2016	343	305	257	256	88.9%	74.9%	74.6%
2017	266	252	208	206	94.7%	78.2%	77.4%
2018	322	313	267	254	97.2%	82.9%	78.9%
2019	359	341	293	287	95.0%	81.6%	79.9%
2020	375	365	317	312	97.3%	84.5%	83.2%

Percent of EMS 5 At-Risk Patients Treated at a DTC, 2010-2020



# EMS Region 6: Geography



County	Population
Burke	24,596
Columbia	156,010
Emanuel	22,768
Glascok	2,884
Jefferson	15,709
Jenkins	8,674
Lincoln	7,690
McDuffie	21,632
Richmond	206,607
Screven	14,067
Taliaferro	1,559
Warren	5,215
Wilkes	9,565
Total	496,976

## Centers:

Level I: 1

Level II: 1/P

Level III:

Level IV: 1

# EMS Region 6: Transportation

Table A6.1: Average ground transportation distances and times for EMS Region 6 residents to the nearest DTC

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Burke	32.1	30.8	38.4	37.0
Columbia	9.6	9.6	16.2	16.2
Emanuel	72.0	10.8	79.6	16.6
Glascokk	46.7	46.7	54.0	54.0
Jefferson	43.1	30.4	48.8	33.9
Jenkins	53.6	34.6	60.0	43.4
Lincoln	34.7	34.7	48.6	48.6
McDuffie	27.9	27.9	30.9	30.9
Richmond	5.4	5.4	9.7	9.7
Screven	60.8	34.3	71.8	36.1
Taliaferro	47.1	41.1	50.3	42.7
Warren	42.4	42.1	44.5	44.3
Wilkes	46.0	46.0	55.3	54.9
EMS Mean	20.1	15.0	25.9	20.2
EMS 6 Median	10.0	9.6	16.0	15.0

# EMS Region 6: Triage Percent & Rate

Table A6.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS Region 6

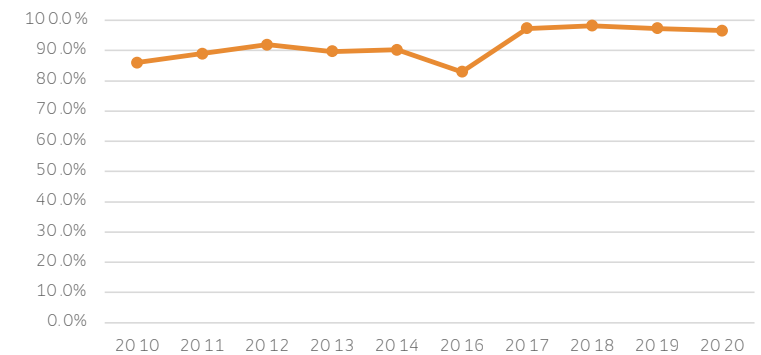
County	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS6	Retention (% of TC treated in EMS6)	Annual average at risk patients per 100000 population
Burke	65	63	97%	60	95%	52.85
Columbia	235	225	96%	220	98%	30.13
Emanuel	76	74	97%	49	66%	66.76
Glascock	7	7	100%	7	100%	48.54
Jefferson	44	43	98%	42	98%	56.02
Jenkins	37	36	97%	32	89%	85.31
Lincoln	24	23	96%	22	96%	62.42
McDuffie	51	48	94%	45	94%	47.15
Richmond	479	442	92%	427	97%	46.37
Screven	54	52	96%	10	19%	76.78
Taliaferro	2	2	100%			25.66
Warren	23	23	100%	23	100%	88.21
Wilkes	35	34	97%	28	82%	73.18
Total	1132	1072	95%	965	90%	45.56

# EMS Region 6: Triage Time-Series

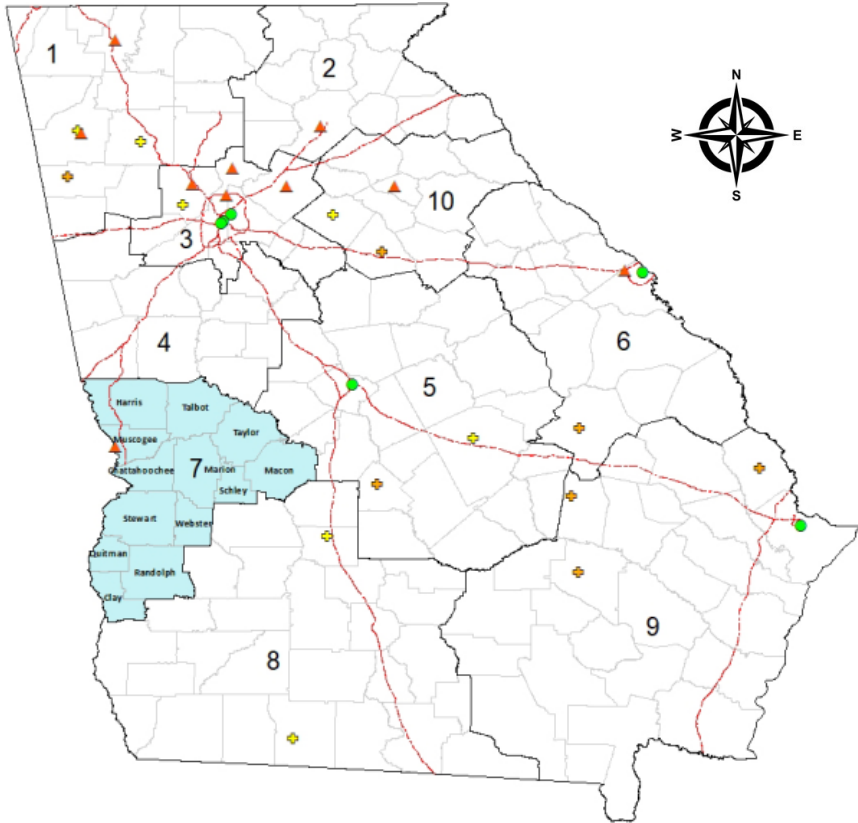
Table A6.3: At risk patients from EMS Region 6, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 6	Level I/II DTC in EMS 6	% DTC	% Retention	% Retention Level I or II
2010	179	154	138	138	86.0%	77.1%	77.1%
2011	200	178	163	163	89.0%	81.5%	81.5%
2012	209	192	177	177	91.9%	84.7%	84.7%
2013	204	183	173	169	89.7%	84.8%	82.8%
2014	174	157	145	140	90.2%	83.3%	80.5%
2016	205	170	156	138	82.9%	76.1%	67.3%
2017	225	219	199	172	97.3%	88.4%	76.4%
2018	219	215	193	147	98.2%	88.1%	67.1%
2019	220	214	197	147	97.3%	89.5%	66.8%
2020	263	254	220	174	96.6%	83.7%	66.2%

Percent of EMS 6 At-Risk Patients Treated at a DTC, 2010-2020



# EMS Region 7: Geography



County	Population
Chattahoochee	9,565
Clay	2,848
Harris	34,668
Macon	12,082
Marion	7,498
Muscogee	206,922
Quitman	2,235
Randolph	6,425
Schley	4,547
Stewart	5,314
Talbot	5,733
Taylor	7,816
Webster	2,348
Total	308,001

## Centers:

Level I:

Level II: 1

Level III:

Level IV:

# EMS Region 7: Transportation

Table A7.1: Average ground transportation distances and times for EMS Region 7 residents to the nearest DTC

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Chattahoochee	15.9	15.9	27.6	27.6
Clay	74.1	74.1	81.0	81.0
Harris	24.4	24.4	34.0	34.0
Macon	49.9	32.8	54.8	39.4
Marion	38.7	38.7	48.0	48.0
Muscogee	5.6	5.6	12.5	12.5
Quitman	58.6	58.6	68.0	68.0
Randolph	63.7	63.0	71.7	71.6
Schley	51.1	46.7	62.0	55.7
Stewart	38.8	38.8	48.6	48.6
Talbot	33.6	33.6	43.8	43.8
Taylor	44.4	44.4	52.1	51.9
Webster	47.4	47.4	56.5	56.5
EMS 7 Mean	18.2	17.1	25.8	24.8
EMS 7 Median	7.7	7.7	16.0	16.0

# EMS Region 7: Triage Percent & Rate

Table A7.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS Region 7

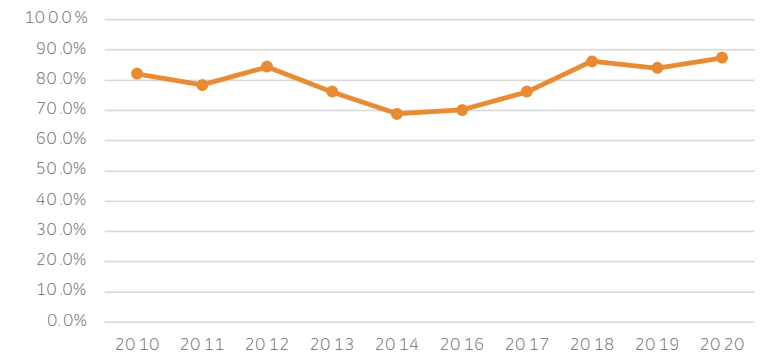
County	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS7	Retention (% of TC treated in EMS7)	Annual average at risk patients per 100000 population
Chattahoochee	5	4	80%	3	75%	10.45
Clay						0.00
Harris	50	37	74%	15	41%	28.85
Macon	32	29	91%			52.97
Marion	17	12	71%	7	58%	45.35
Muscogee	292	239	82%	196	82%	28.22
Quitman	1	1	100%	1	100%	8.95
Randolph	5	2	40%	1	50%	15.56
Schley	4	4	100%			17.59
Stewart	13	10	77%	7	70%	48.93
Talbot	10	10	100%	6	60%	34.89
Taylor	23	22	96%	2	9%	58.85
Webster	6	4	67%	3	75%	51.11
Total	458	374	82%	241	64%	29.74

# EMS Region 7: Triage Time-Series

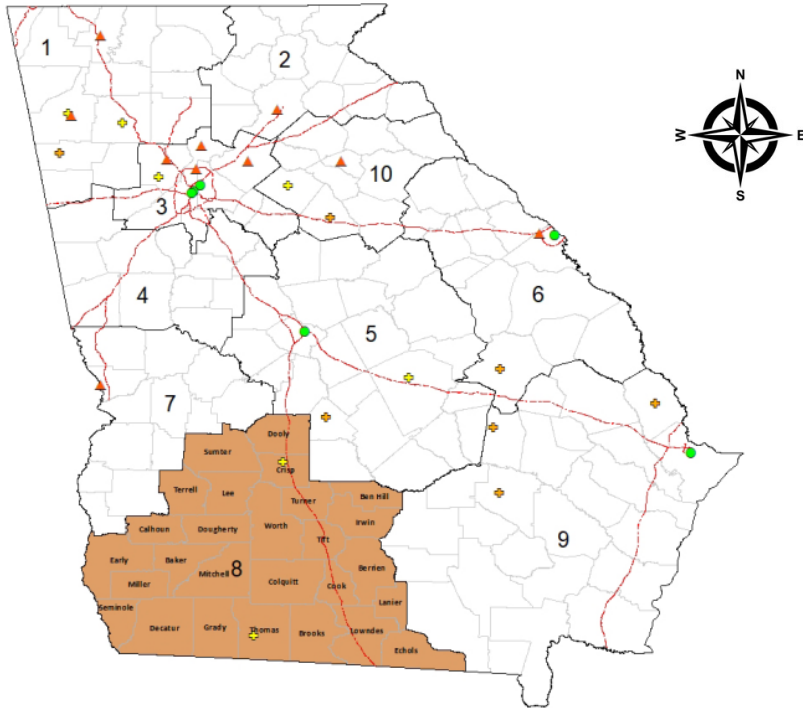
Table A7.3: At risk patients from EMS Region 7, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 7	Level I/II DTC in EMS 7	% DTC	% Retention	% Retention Level I or II
2010	2010	112	92	82	82	82.1%	73.2%
2011	2011	74	58	47	47	78.4%	63.5%
2012	2012	109	92	75	75	84.4%	68.8%
2013	2013	84	64	49	49	76.2%	58.3%
2014	2014	74	51	40	40	68.9%	54.1%
2016	2016	67	47	26	26	70.1%	38.8%
2017	2017	88	67	42	42	76.1%	47.7%
2018	2018	116	100	84	84	86.2%	72.4%
2019	2019	100	84	48	48	84.0%	48.0%
2020	2020	87	76	41	41	87.4%	47.1%

Percent of EMS 7 At-Risk Patients Treated at a DTC, 2010-2020



# EMS Region 8: Geography



County	Population
Baker	2,876
Ben Hill	17,194
Berrien	18,160
Brooks	16,301
Calhoun	5,573
Colquitt	45,898
Cook	17,229
Crisp	20,128
Decatur	29,367
Dooly	11,208
Dougherty	85,790
Early	10,854
Echols	3,697
Grady	26,236
Irwin	9,666
Lanier	9,877
Lee	33,163
Lowndes	118,251
Miller	6,000
Mitchell	21,755
Seminole	9,147
Sumter	29,616
Terrell	9,185
Thomas	45,798
Tift	41,344
Turner	9,006
Worth	20,784
Total	674,103

## Centers:

Level I:

Level II:

Level III: 2

Level IV:

# EMS Region 8: Transportation

Table A8.1: Average ground transportation distances and times for EMS Region 8 residents to the nearest DTC

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Baker	102.3	54.8	112.8	66.0
Ben Hill	99.5	44.0	100.9	50.0
Berrien	129.6	58.7	123.8	69.9
Brooks	152.4	29.5	145.3	38.9
Calhoun	80.1	72.0	87.2	82.5
Colquitt	124.0	31.6	123.4	43.0
Cook	127.6	46.5	115.8	58.7
Crisp	67.4	4.6	64.5	8.4
Decatur	134.8	41.9	138.3	52.8
Dooly	54.1	15.5	54.2	20.0
Dougherty	88.4	40.8	97.3	48.4
Early	94.7	80.2	98.8	90.5
Echols	176.3	67.0	165.7	81.3
Grady	142.7	19.6	152.3	28.9
Irwin	109.3	48.2	104.3	52.0
Lanier	149.4	62.0	142.3	75.0
Lee	84.2	37.0	91.7	42.9
Lowndes	150.9	47.2	138.2	58.7
Miller	107.2	66.3	111.0	77.8
Mitchell	116.6	35.3	124.9	44.9
Seminole	125.0	61.6	128.7	74.3
Sumter	63.9	31.8	74.5	39.7
Terrell	65.7	48.2	72.0	57.8
Thomas	145.6	7.3	153.0	14.0
Tift	104.7	43.5	96.1	43.7
Turner	86.8	25.6	80.9	28.2
Worth	99.0	35.4	97.1	42.0
EMS 8 Mean	114.6	38.1	114.8	46.6
EMS 8 Median	117.5	40.5	116.5	48.0

# EMS Region 8: Triage Percent & Rate

Table A8.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS  
Region 8

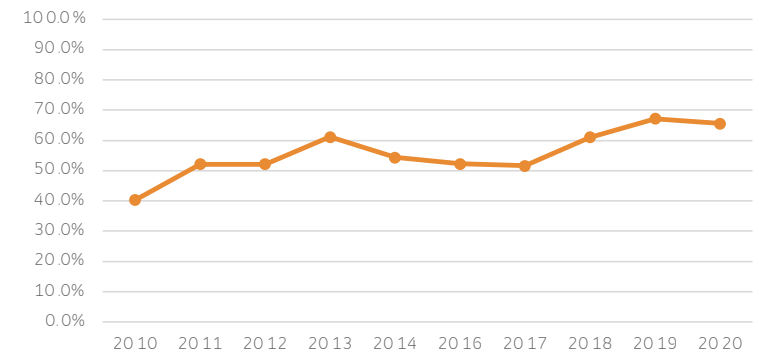
County	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS8	Retention (% of TC treated in EMS8)	Annual average at risk patients per 100000 population
Baker	5	2	40%	1	50%	34.77
Ben Hill	45	40	89%	2	5%	52.34
Berrien	21	12	57%	1	8%	23.13
Brooks	16	8	50%	6	75%	19.63
Calhoun	8	2	25%		0%	28.71
Colquitt	63	37	59%	27	73%	27.45
Cook	27	14	52%	3	21%	31.34
Crisp	42	42	100%	15	36%	41.73
Decatur	20	15	75%	15	100%	13.62
Dooly	30	28	93%	4	14%	53.53
Dougherty	152	43	28%	2	5%	35.44
Early	9	4	44%		0%	16.58
Echols	4		0%			21.64
Grady	31	28	90%	28	100%	23.63
Irwin	22	18	82%		0%	45.52
Lanier	3	2	67%		0%	6.07
Lee	34	12	35%	1	8%	20.50
Lowndes	74	16	22%	3	19%	12.52
Miller	1	1	100%	1	100%	3.33
Mitchell	53	33	62%	30	91%	48.72
Seminole	1		0%			2.19
Sumter	51	36	71%	2	6%	34.44
Terrell	15	4	27%		0%	32.66
Thomas	90	86	96%	85	99%	39.30
Tift	61	40	66%	3	8%	29.51
Turner	19	13	68%	1	8%	42.19
Worth	38	19	50%	3	16%	36.57
Total	935	555	59%	233	42%	27.74

# EMS Region 8: Triage Time-Series

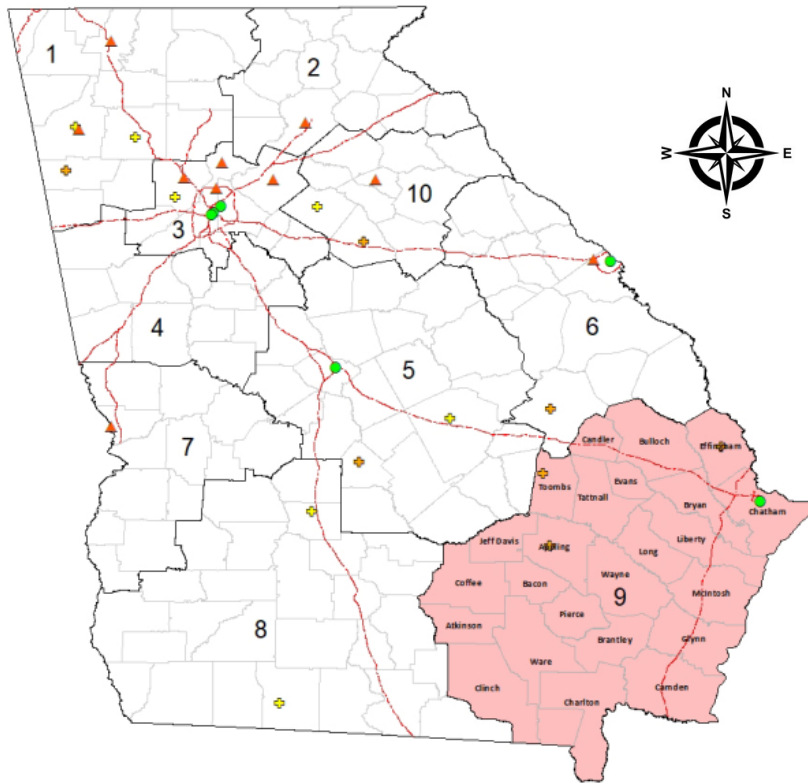
Table A8.3: At risk patients from EMS Region 8, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 8	Level I/II DTC in EMS 8	% DTC	% Retention	% Retention Level I or II
2010	149	60	35	35	40.3%	23.5%	23.5%
2011	142	74	33	33	52.1%	23.2%	23.2%
2012	161	84	37	37	52.2%	23.0%	23.0%
2013	126	77	31	29	61.1%	24.6%	23.0%
2014	125	68	27	24	54.4%	21.6%	19.2%
2016	182	95	51	40	52.2%	28.0%	22.0%
2017	161	83	32	30	51.6%	19.9%	18.6%
2018	164	100	38	34	61.0%	23.2%	20.7%
2019	222	149	63	58	67.1%	28.4%	26.1%
2020	206	135	49	0	65.5%	23.8%	0.0%

Percent of EMS 8 At-Risk Patients Treated at a DTC, 2010-2020



# EMS Region 9: Geography



County	Population
Appling	18,444
Atkinson	8,286
Bacon	11,140
Brantley	18,021
Bryan	44,738
Bulloch	81,099
Camden	54,768
Candler	10,981
Charlton	12,518
Chatham	295,291
Clinch	6,749
Coffee	43,092
Effingham	64,769
Evans	10,774
Glynn	84,499
Jeff Davis	14,779
Liberty	65,256
Long	16,168
McIntosh	10,975
Pierce	19,716
Tattnall	22,842
Toombs	27,030
Ware	36,251
Wayne	30,144
Total	1,008,330

**Centers:**  
 Level I: 1  
 Level II:  
 Level III:  
 Level IV: 3

# EMS Region 9: Transportation

Table A9.1: Average ground transportation distances and times for EMS Region 9 residents to the nearest DTC

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Appling	96.4	7.9	114.3	12.6
Atkinson	144.8	54.9	140.3	64.5
Bacon	108.5	20.7	131.5	25.6
Brantley	105.0	53.3	112.1	63.5
Bryan	29.6	25.6	40.6	35.4
Bulloch	61.1	31.5	70.9	38.7
Camden	137.8	97.2	126.3	105.0
Candler	74.4	23.1	80.1	29.8
Charlton	171.1	82.9	158.9	93.7
Chatham	12.0	8.3	19.0	16.4
Clinch	154.9	73.5	163.3	81.9
Coffee	119.2	42.4	132.8	50.1
Effingham	29.8	10.4	43.5	14.5
Evans	58.1	31.0	65.9	39.2
Glynn	85.0	72.0	86.7	81.4
Jeff Davis	107.8	19.7	113.4	26.1
Liberty	55.8	43.4	63.5	54.6
Long	56.5	44.5	74.6	55.7
McIntosh	59.7	59.5	71.4	71.4
Pierce	102.4	36.9	121.7	43.5
Tattnall	70.2	24.9	80.2	31.0
Toombs	89.1	6.9	93.1	11.0
Ware	127.8	45.6	139.5	52.2
Wayne	72.1	32.3	89.7	38.6
EMS 9 Mean	61.9	31.8	69.5	39.6
EMS 9 Median	60.8	26.1	69	33

# EMS Region 9: Triage Percent & Rate

Table A9.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS  
Region 9

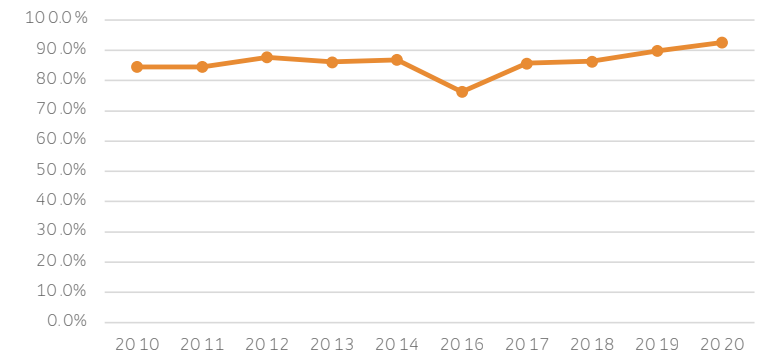
County	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS9	Retention (% of TC treated in EMS9)	Annual average at risk patients per 100000 population
Appling	38	36	95%	33	92%	41.21
Atkinson	17	10	59%	8	80%	41.03
Bacon	24	21	88%	20	95%	43.09
Brantley	19	9	47%	9	100%	21.09
Bryan	59	54	92%	52	96%	26.38
Bulloch	131	119	91%	102	86%	32.31
Camden	14	2	14%	2	100%	5.11
Candler	30	29	97%	20	69%	54.64
Charlton	3		0%			4.79
Chatham	658	610	93%	602	99%	44.57
Clinch	4	1	25%	1	100%	11.85
Coffee	68	51	75%	35	69%	31.56
Effingham	116	111	96%	104	94%	35.82
Evans	24	21	88%	20	95%	44.55
Glynn	112	40	36%	28	70%	26.51
Jeff Davis	31	30	97%	18	60%	41.95
Liberty	102	93	91%	90	97%	31.26
Long	24	24	100%	23	96%	29.69
McIntosh	29	21	72%	21	100%	52.85
Pierce	17	12	71%	11	92%	17.24
Tattnall	81	78	96%	70	90%	70.92
Toombs	81	78	96%	66	85%	59.93
Ware	48	37	77%	33	89%	26.48
Wayne	61	56	92%	55	98%	40.47
Total	1791	1543	86%	1423	92%	35.52

# EMS Region 9: Triage Time-Series

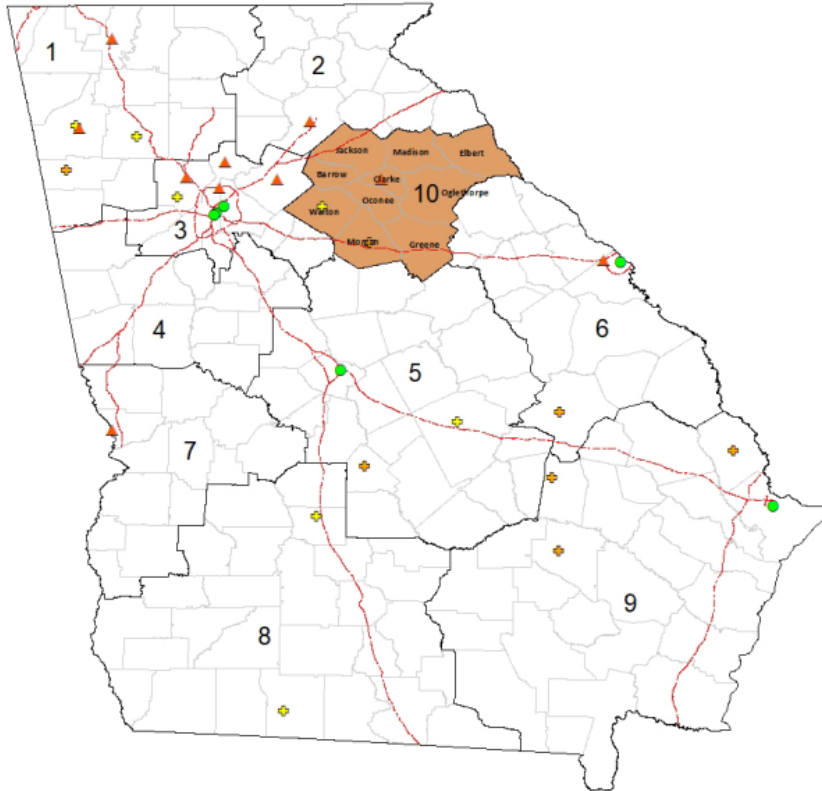
Table A9.3: At risk patients from EMS Region 9, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 9	Level I/II DTC in EMS 9	% DTC	% Retention	% Retention Level I or II
2010	350	296	286	286	84.6%	81.7%	81.7%
2011	337	285	276	276	84.6%	81.9%	81.9%
2012	325	285	271	271	87.7%	83.4%	83.4%
2013	361	311	295	295	86.1%	81.7%	81.7%
2014	328	285	264	264	86.9%	80.5%	80.5%
2016	371	283	262	257	76.3%	70.6%	69.3%
2017	343	294	258	257	85.7%	75.2%	74.9%
2018	329	284	264	264	86.3%	80.2%	80.2%
2019	384	345	324	324	89.8%	84.4%	84.4%
2020	364	337	315	315	92.6%	86.5%	86.5%

Percent of EMS 9 At-Risk Patients Treated at a DTC, 2010-2020



# EMS Region 10: Geography



County	Population
Barrow	83,505
Clarke	128,671
Elbert	19,637
Greene	18,915
Jackson	75,907
Madison	30,120
Morgan	20,097
Oconee	41,799
Oglethorpe	14,825
Walton	96,673
Total	530,149

**Centers:**  
Level I:  
Level II: 1  
Level III: 1  
Level IV: 1

# EMS Region 10: Transportation

Table A10.1: Average ground transportation distances and times for EMS Region 10 residents to the nearest DTC

County	Average ground transportation			
	Distance to		Time to	
	Nearest Level I or II	Nearest Level I, II, III, or IV	Nearest Level I or II	Nearest Level I, II, III, or IV
Barrow	18.0	15.4	26.6	25.1
Clarke	4.5	4.5	12.4	12.4
Elbert	38.6	38.6	48.8	48.8
Greene	40.8	26.3	56.7	33.2
Jackson	17.4	17.4	25.9	25.9
Madison	18.4	18.4	26.3	26.3
Morgan	32.4	8.5	47.5	13.6
Oconee	11.7	11.5	21.3	20.0
Oglethorpe	19.5	19.5	33.5	33.5
Walton	21.2	8.5	35.5	15.4
EMS 10 Mean	17.7	13.6	28.0	21.9
EMS 10 Median	16.9	11.8	26.5	21.0

# EMS Region 10: Triage Percent & Rate

Table A10.2: At risk patients, triage to a DTC, retention, and rate/100,000 population for EMS Region 10

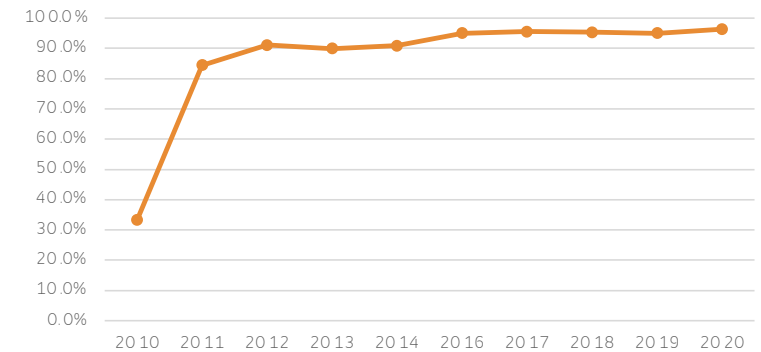
County	At risk patients	At risk patients treated at a center	Percent treated at a center	At risk patients treated at a center in EMS2	Retention (% of TC treated in E)	Annual average at risk patients per 100000 population
Barrow	158	152	96%	76	50%	37.84
Clarke	188	177	94%	146	82%	29.22
Elbert	31	29	94%	23	79%	31.57
Greene	53	47	89%	29	62%	56.04
Jackson	128	125	98%	58	46%	33.73
Madison	70	70	100%	61	87%	46.48
Morgan	43	42	98%	28	67%	42.79
Oconee	64	59	92%	48	81%	30.62
Oglethorpe	26	24	92%	21	88%	35.08
Walton	189	181	96%	78	43%	39.10
Total	950	906	95%	568	63%	35.84

# EMS Region 10: Triage Time-Series

Table A10.3: At risk patients from EMS Region 10, triage to a DTC, and retention by year, 2010-2020

Year	At Risk	DTC	DTC in EMS 10	Level I/II DTC in EMS 10	% DTC	% Retention	% Retention Level I or II
2010	126	42	3	0	33.3%	2.4%	0.0%
2011	167	141	97	93	84.4%	58.1%	55.7%
2012	158	144	97	89	91.1%	61.4%	56.3%
2013	139	125	82	68	89.9%	59.0%	48.9%
2014	164	149	99	94	90.9%	60.4%	57.3%
2016	283	269	216	213	95.1%	76.3%	75.3%
2017	179	171	113	113	95.5%	63.1%	63.1%
2018	192	183	102	102	95.3%	53.1%	53.1%
2019	159	151	71	69	95.0%	44.7%	43.4%
2020	137	132	66	63	96.4%	48.2%	46.0%

Percent of EMS 10 At-Risk Patients Treated at a DTC, 2010-2020



# Regional Summary

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DEMOGRAPHIC CHARACTERISTICS

INJURY TYPES

POPULATION DENSITY



# % At-Risk Treated at a DTC by Year/Region

Table A13: Percent of At-risk Patients Treated at a DTC by Region and Year

EMS	At risk patients	% Treated at DTC									
		2010	2011	2012	2013	2014	2016	2017	2018	2019	2020
1	1479	60.7%	61.3%	81.9%	81.0%	90.5%	88.6%	93.7%	95.1%	96.9%	93.7%
2	1071	35.8%	51.9%	54.6%	44.5%	79.1%	81.8%	91.8%	94.7%	88.4%	83.5%
3	7239	75.5%	78.2%	87.4%	88.0%	88.0%	83.9%	92.8%	92.9%	93.2%	95.5%
4	1699	79.3%	84.5%	83.1%	86.1%	87.3%	78.6%	89.8%	93.8%	94.0%	95.8%
5	1665	87.9%	88.8%	90.3%	91.2%	87.8%	88.9%	94.7%	97.2%	95.0%	97.3%
6	1132	86.0%	89.0%	91.9%	89.7%	90.2%	82.9%	97.3%	98.2%	97.3%	96.6%
7	458	82.1%	78.4%	84.4%	76.2%	68.9%	70.1%	76.1%	86.2%	84.0%	87.4%
8	935	40.3%	52.1%	52.2%	61.1%	54.4%	52.2%	51.6%	61.0%	67.1%	65.5%
9	1791	84.6%	84.6%	87.7%	86.1%	86.9%	76.3%	85.7%	86.3%	89.8%	92.6%
10	950	33.3%	84.4%	91.1%	89.9%	90.9%	95.1%	95.5%	95.3%	95.0%	96.4%
Min		33.3%	51.9%	52.2%	44.5%	54.4%	52.2%	51.6%	61.0%	67.1%	65.5%
Max		87.9%	89.0%	91.9%	91.2%	90.9%	95.1%	97.3%	98.2%	97.3%	97.3%

\*Tan shading indicates maximum; green shading means minimum

# Demographic characteristics of at-risk patients, by region

Table A11: Demographic characteristics of at-risk patients by EMS region (2016-2020)

EMS	At risk patients	Male	Female	White	Black	Other	Ped	NE Adult	Elderly	uninsured
1	1479	62.6%	37.4%	83.8%	9.3%	6.9%	2.1%	46.7%	51.0%	9.7%
2	1071	60.4%	39.6%	88.7%	3.7%	7.6%	2.5%	36.6%	60.5%	9.5%
3	7239	66.9%	33.1%	38.5%	48.3%	13.2%	2.7%	59.2%	37.3%	17.0%
4	1699	62.2%	37.8%	69.7%	23.8%	6.4%	4.2%	49.7%	45.7%	7.9%
5	1665	63.3%	36.7%	64.1%	32.9%	3.1%	1.8%	49.3%	47.0%	16.0%
6	1132	64.0%	36.0%	55.7%	39.0%	5.3%	0.0%	52.6%	42.1%	15.0%
7	458	69.2%	30.8%	52.6%	42.4%	5.0%	3.1%	55.0%	40.6%	19.9%
8	935	61.1%	38.9%	58.1%	36.8%	5.1%	1.4%	49.2%	45.6%	16.3%
9	1791	67.1%	32.9%	68.0%	27.1%	4.9%	0.1%	48.9%	45.8%	16.0%
10	950	58.4%	41.6%	80.7%	15.1%	4.2%	3.2%	41.8%	55.1%	10.9%

\*Tan shading indicates maximum; green shading means minimum

# Injury type of at-risk patients by region

Table A12: Percent of inpatient episodes involving major injury types by EMS region (2016-2020)

EMS	At risk patients	Fracture	SSCI	TBI	Torso	Vascular	Died
1	1479	23.8%	52.5%	42.4%	50.0%	8.2%	13.0%
2	1071	23.6%	52.7%	45.0%	46.8%	6.4%	16.2%
3	7239	23.0%	50.2%	38.3%	51.4%	14.8%	12.1%
4	1699	24.4%	55.0%	43.1%	52.5%	13.4%	12.5%
5	1665	23.5%	56.9%	47.9%	51.4%	8.9%	14.7%
6	1132	21.2%	49.9%	41.3%	53.2%	14.0%	16.2%
7	458	21.0%	49.3%	40.6%	49.3%	10.9%	16.8%
8	935	22.0%	48.7%	41.8%	55.6%	8.2%	15.3%
9	1791	20.3%	51.0%	45.6%	49.6%	12.1%	14.6%
10	950	20.8%	49.5%	43.1%	47.8%	7.8%	9.3%

\*Tan shading indicates maximum; green shading means minimum

# Population density by region

Table A13: Population per Square Mile

EMS	Population	% of Georgia Population	Number of Counties	Total Area (Square Miles)	Land Area (Square Miles)	Population/Sq Mile (Total)	Population/Sq Mile (Land)
1	1,182,549	11.0%	16	5,482	5,428	216	218
2	736,818	6.9%	13	3,516	3,392	210	217
3	4,202,188	39.2%	8	2,343	2,308	1,793	1,821
4	884,492	8.3%	12	3,848	3,772	230	235
5	688,302	6.4%	23	8,558	8,437	80	82
6	496,976	4.6%	13	5,324	5,201	93	96
7	308,001	2.9%	13	4,143	4,073	74	76
8	674,103	6.3%	27	10,671	10,460	63	64
9	1,008,330	9.4%	24	12,535	11,507	80	88
10	530,149	4.9%	10	3,006	2,936	176	181
	10,711,908			59,425	57,513	180	186

\*Tan shading indicates maximum; green shading means minimum

# County Rankings

Table C1: County rankings by annual average at-risk patients per 100,000 population, number of at-risk patients, percent of at-risk patients treated at a center, and population per square mile

Rank	Annual average at risk patients per 100000 population	Number of at risk patients	Percent at risk treated at a center	Population per square mile
1	Warren(6) 88.21	Fulton(3) 2192	Whitfield(1) 100	DeKalb(3) 5296.02
2	Jenkins(6) 85.31	DeKalb(3) 1525	Madison(10) 100	Fulton(3) 2442.24
3	Heard(4) 82.37	Gwinnett(3) 1220	Jones(5) 100	Clayton(3) 2252.84
4	Crawford(5) 80.79	Cobb(3) 1043	Crisp(8) 100	Cobb(3) 2223.83
5	Twiggs(5) 77.29	Chatham(9) 658	Chattooga(1) 100	Gwinnett(3) 1791.16
6	Screven(6) 76.78	Clayton(3) 614	Jasper(5) 100	Clarke(10) 1063.09
7	Wilkinson(5) 76.6	Richmond(6) 479	Twiggs(5) 100	Forsyth(2) 1016.66
8	Wilkes(6) 73.18	Bibb(5) 441	Murray(1) 100	Muscogee(7) 984.11
9	Tattnall(9) 70.92	Henry(4) 377	Wilcox(5) 100	Chatham(9) 795.95
10	Emanuel(6) 66.76	Hall(2) 323	Telfair(5) 100	Hall(2) 762.38

# Volume of at-risk patients at TC & NC by EMS Region

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# EMS Regions 1 & 2

Table 7.1: At risk patients treated at TC & NC

Facility Number	Name	County	TC Level	At-risk patients (2016-2020)
EMS01				
<b>142</b>	<b>Floyd Medical Center</b>	<b>Floyd</b>	<b>2</b>	<b>296</b>
<b>82</b>	<b>Hamilton Medical Center</b>	<b>Whitfield</b>	<b>3</b>	<b>117</b>
<b>164</b>	<b>Redmond Regional Medical Center</b>	<b>Floyd</b>	<b>3</b>	<b>94</b>
126	Northside Hospital Cherokee	Cherokee		35
127	Cartersville Medical Center*	Bartow		27
EMS02				
<b>145</b>	<b>Northeast Medical Center</b>	<b>Hall</b>	<b>2</b>	<b>883</b>
59	Northside Hospital Forsyth	Forsyth		109
9	Cobb Medical Center	Franklin		23

# EMS Regions 3 & 4

Table 7.1 (continued): At risk patients treated at TC & NC

Facility		County	Level	At-risk patients (2016-2020)
Number	Name			
EMS03				
179	Grady Memorial Hospital	Fulton	1	4750
178	Atlanta Medical Center	Fulton	1	1570
147	Wellstar Kennestone Hospital	Cobb	2	1461
69	Gwinnett Medical Center	Gwinnett	2	1035
49	North Fulton Regional Hospital	Fulton	2	472
83	Children’s Healthcare Atlanta - Engleston	DeKalb	1	306
113	Children’s Healthcare Atlanta - Scottish Rite	Fulton	2	234
130	Cartersville Medical Center*	Cobb	3	159
176	Emory University Hospital	DeKalb		146
182	Saint Joseph’s Hospital of Atlanta	Fulton		104
EMS04				
43	Piedmont Fayette Hospital	Fayette		51
91	Tanner Medical Center Carrollton	Carroll		34

# EMS Regions 5, 6, & 7

Table 7.1 (continued): At risk patients treated at TC & NC

Facility Number	Name	County	Level	At-risk patients (2016-2020)
EMS05				
<b>180</b>	<b>Medical Center of Central Georgia (Navicent)</b>	<b>Bibb</b>	<b>1</b>	<b>2075</b>
92	Houston Medical Center	Houston		43
<b>110</b>	<b>Polk Medical Center</b>	<b>Laurens</b>	<b>3</b>	<b>34</b>
163	Coliseum Medical Centers (Piedmont Macon)	Bibb		21
EMS06				
<b>184</b>	<b>Augusta University Medical College of GA</b>	<b>Richmond</b>	<b>1</b>	<b>1200</b>
<b>190</b>	<b>Doctor's Hospital of Augusta</b>	<b>Richmond</b>	<b>2</b>	<b>356</b>
183	Select Specialty Hospital Augusta	Richmond		79
EMS07				
<b>174</b>	<b>Midtown Medical Center</b>	<b>Muscogee</b>	<b>2</b>	<b>534</b>
151	St Francis Hospital	Muscogee		90

# EMS Regions 8, 9, & 10

Table 7.1 (continued): At risk patients treated at TC & NC

Facility Number	Name	County	Level	At-risk patients (2016-2020)
EMS08				
148	Phoebe Putney Memorial Hospital	Dougherty		242
<b>146</b>	<b>John D. Archbold Memorial Hospital</b>	<b>Thomas</b>	<b>3</b>	<b>239</b>
150	South Georgia Medical Center	Lowndes		121
EMS09				
<b>173</b>	<b>Memorial Health University Medical Center</b>	<b>Chatham</b>	<b>1</b>	<b>1776</b>
108	Southeast GA H-Systems Brunswick Campus	Glynn		100
153	St. Joseph's Hospital Savannah	Chatham		73
EMS10				
<b>139</b>	<b>Athens Regional Medical Center</b>	<b>Clarke</b>	<b>2</b>	<b>749</b>
154	St. Mary's Health Care System	Clarke		48
733	St Josephs at East Georgia	Greene		13
<b>54</b>	<b>Clearview Regional Medical Center</b>	<b>Walton</b>	<b>3</b>	<b>11</b>