

District of Columbia

Fire and Emergency Medical Services Department



FY 2020 EMS CQI Patient Case Review Measures

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District of Columbia Fire and EMS Department
FY 2020 EMS CQI Case Review (Cardiac Arrest Patients)

Cardiac Arrest (FY 2020) Measure	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	FYE 2020
Number of Identified Cases Reviewed	72	84	85	87	74	70	132	87	67	70	53	79	960
Appropriate Incident Scene Resuscitation Time	72	84	85	87	74	70	132	87	67	70	53	79	960
ETT or King Airway Used and Confirmed	65	71	72	83	69	58	118	70	57	68	51	60	842
IO or IV Line Placed	71	83	84	69	59	59	128	83	66	70	53	79	904
High Quality CPR or Lucas Device Used	67	82	84	84	67	63	132	86	67	70	53	79	934
ACLS Drugs Used Following FEMS Protocol	69	83	83	87	74	70	127	83	64	70	53	79	942
% Appropriate Incident Scene Time	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
% ETT or King Airway Used and Confirmed	90%	85%	85%	95%	93%	83%	89%	80%	85%	97%	96%	76%	88%
% IO or IV Line Placed	99%	99%	99%	79%	80%	84%	97%	95%	99%	100%	100%	100%	94%
% High Quality CPR or Lucas Device	93%	98%	99%	97%	91%	90%	100%	99%	100%	100%	100%	100%	97%
% ACLS Drugs Used Following FEMS Protocol	96%	99%	98%	100%	100%	100%	96%	95%	96%	100%	100%	100%	98%
Number of Required Elements	360	420	425	435	370	350	660	435	335	350	265	395	4,800
Number of Completed Required Elements	344	403	408	410	343	320	637	409	321	348	263	376	4,582
% Completed Required Elements	96%	96%	96%	94%	93%	91%	97%	94%	96%	99%	99%	95%	95%

Cardiac Arrest (FY 2020) Measure	Q1 FY 2020	Q2 FY 2020	Q3 FY 2020	Q4 FY 2020	FYE 2020
Number of Identified Cases Reviewed	241	231	286	202	960
Appropriate Incident Scene Resuscitation Time	241	231	286	202	960
ETT or King Airway Used and Confirmed	208	210	245	179	842
IO or IV Line Placed	238	187	277	202	904
High Quality CPR or Lucas Device Used	233	214	285	202	934
ACLS Drugs Used Following FEMS Protocol	235	231	274	202	942
% Appropriate Incident Scene Time	100%	100%	100%	100%	100%
% ETT or King Airway Used and Confirmed	86%	91%	86%	89%	88%
% IO or IV Line Placed	99%	81%	97%	100%	94%
% High Quality CPR or Lucas Device	97%	93%	100%	100%	97%
% ACLS Drugs Used Following FEMS Protocol	98%	100%	96%	100%	98%
Number of Required Elements	1,205	1,155	1,430	1,010	4,800
Number of Completed Required Elements	1,155	1,073	1,367	987	4,582
% Completed Required Elements	96%	93%	96%	98%	95%

District of Columbia Fire and EMS Department
FY 2020 EMS CQI Case Review (STEMI Patients)

STEMI (FY 2020) Measure	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	FYE 2020
Number of Identified Cases Reviewed	18	21	24	22	18	12	20	16	31	16	21	25	244
Aspirin Appropriately Administered	18	20	23	21	18	11	19	16	30	9	16	21	222
12 Lead EKG Completed	18	21	24	22	18	12	20	16	31	16	21	25	244
Patient Transport to STEMI Center	18	21	24	22	18	12	19	16	31	16	21	25	243
% Aspirin Appropriately Administered	100%	95%	96%	95%	100%	92%	95%	100%	97%	56%	76%	84%	91%
% 12 Lead EKG Completed	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
% Patient Transport to STEMI Center	100%	100%	100%	100%	100%	100%	95%	100%	100%	100%	100%	100%	100%
Number of Required Elements	54	63	72	66	54	36	60	48	93	48	63	75	732
Number of Completed Required Elements	54	62	71	65	54	35	58	48	92	41	58	71	709
% Completed Required Elements	100%	98%	99%	98%	100%	97%	97%	100%	99%	85%	92%	95%	97%

STEMI (FY 2020) Measure	Q1 FY 2020	Q2 FY 2020	Q3 FY 2020	Q4 FY 2020	FYE 2020
Number of Identified Cases Reviewed	63	52	67	62	244
Aspirin Appropriately Administered	61	50	65	46	222
12 Lead EKG Completed	63	52	67	62	244
Patient Transport to STEMI Center	63	52	66	62	243
% Aspirin Appropriately Administered	97%	96%	97%	74%	91%
% 12 Lead EKG Completed	100%	100%	100%	100%	100%
% Patient Transport to STEMI Center	100%	100%	99%	100%	100%
Number of Required Elements	189	156	201	186	732
Number of Completed Required Elements	187	154	198	170	709
% Completed Required Elements	99%	99%	99%	91%	97%

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FY 2020 EMS CQI Case Review (Stroke Patients)

Stroke (FY 2020) Measure	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	FYE 2020
Number of Identified Cases Reviewed	33	39	47	38	49	47	31	29	27	36	33	35	444
Stroke Screening Exam Completed	33	38	47	37	49	47	31	29	27	36	33	35	442
BGL Obtained and Recorded	32	39	46	37	49	47	31	29	25	36	33	35	439
Patient Transport to Stroke Center	33	39	47	38	49	47	31	29	27	36	33	35	444
% Stroke Screening Completed	100%	97%	100%	97%	100%	100%	100%	100%	100%	100%	100%	100%	100%
% BGL Obtained and Recorded	97%	100%	98%	97%	100%	100%	100%	100%	93%	100%	100%	100%	99%
% Patient Transport to Stroke Center	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Number of Required Elements	99	117	141	114	147	141	93	87	81	108	99	105	1,332
Number of Completed Required Elements	98	116	140	112	147	141	93	87	79	108	99	105	1,325
% Completed Required Elements	99%	99%	99%	98%	100%	100%	100%	100%	98%	100%	100%	100%	99%

Stroke (FY 2020) Measure	Q1 FY 2020	Q2 FY 2020	Q3 FY 2020	Q4 FY 2020	FYE 2020
Number of Identified Stroke Reviewed	119	134	87	104	444
Stroke Screening Exam Completed	118	133	87	104	442
BGL Obtained and Recorded	117	133	85	104	439
Patient Transport to Stroke Center	119	134	87	104	444
% Stroke Screening Completed	99%	99%	100%	100%	100%
% BGL Obtained and Recorded	98%	99%	98%	100%	99%
% Patient Transport to Stroke Center	100%	100%	100%	100%	100%
Number of Required Elements	357	402	261	312	1,332
Number of Completed Required Elements	354	400	259	312	1,325
% Completed Required Elements	99%	100%	99%	100%	99%

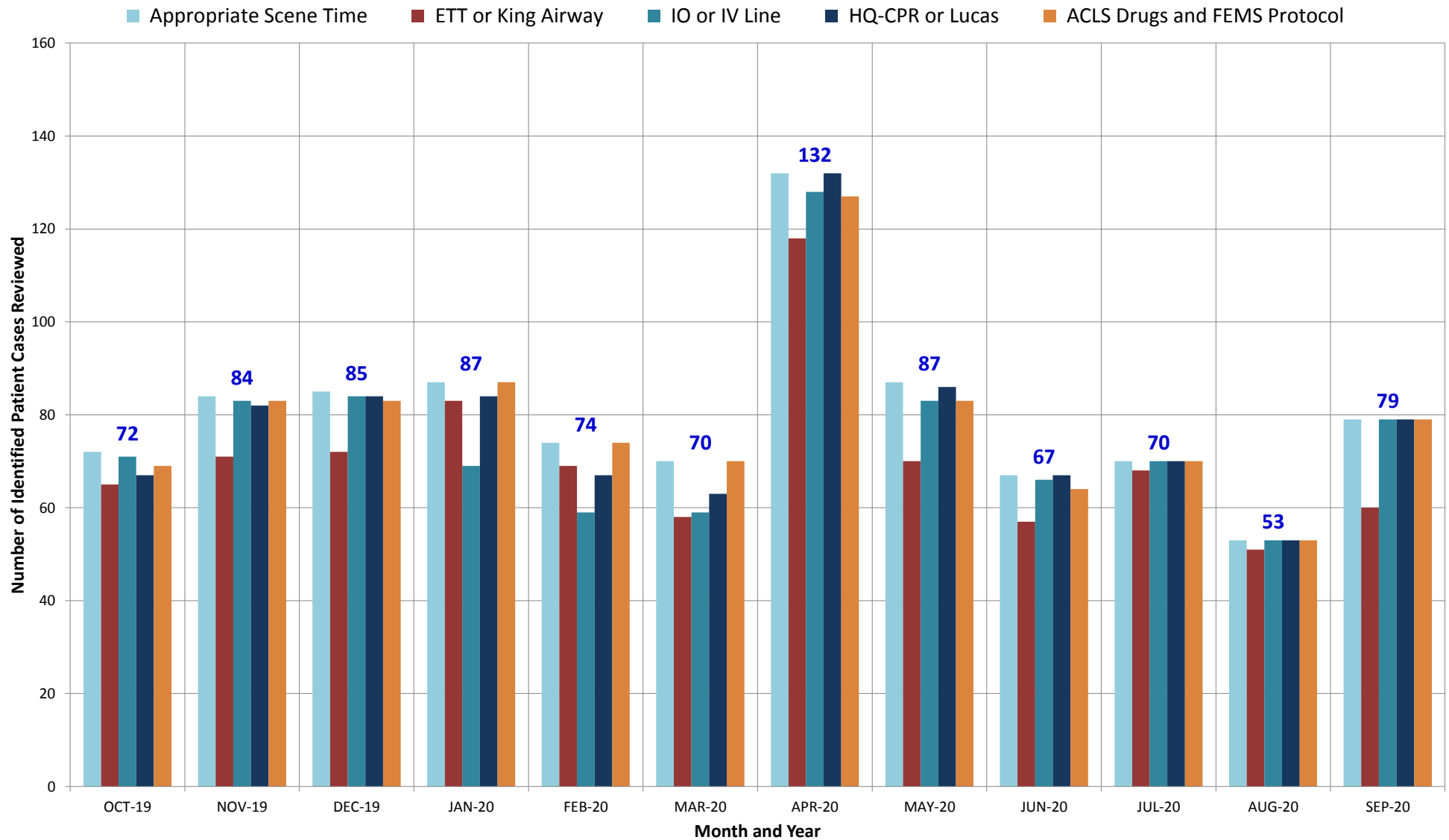
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FY 2020 EMS CQI Case Review (Trauma Patients)

Trauma (FY 2020) Measure	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	FYE 2020
Number of Identified Cases Reviewed	33	28	24	31	32	35	22	40	38	37	34	28	382
Primary Trauma Assessment Exam Completed	33	28	24	31	32	35	22	40	38	37	34	28	382
Appropriate Incident Scene Time for Case													
Patient Transport to Trauma Center	33	28	24	31	32	35	22	40	38	37	34	28	382
% Trauma Assessment Completed	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
% Appropriate Incident Scene Time													
% Patient Transport to Trauma Center	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Number of Required Elements	66	56	48	62	64	70	44	80	76	74	68	56	764
Number of Completed Required Elements	66	56	48	62	64	70	44	80	76	74	68	56	764
% Completed Required Elements	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Trauma (FY 2020) Measure	Q1 FY 2020	Q2 FY 2020	Q3 FY 2020	Q4 FY 2020	FYE 2020
Number of Identified Cases Reviewed	85	98	100	99	382
Primary Trauma Assessment Exam Completed	85	98	100	99	382
Appropriate Incident Scene Time for Case					
Patient Transport to Trauma Center	85	98	100	99	382
% Trauma Assessment Completed	100%	100%	100%	100%	100%
% Appropriate Incident Scene Time					
% Patient Transport to Trauma Center	100%	100%	100%	100%	100%
Number of Required Elements	170	196	200	198	764
Number of Completed Required Elements	170	196	200	198	764
% Completed Required Elements	100%	100%	100%	100%	100%

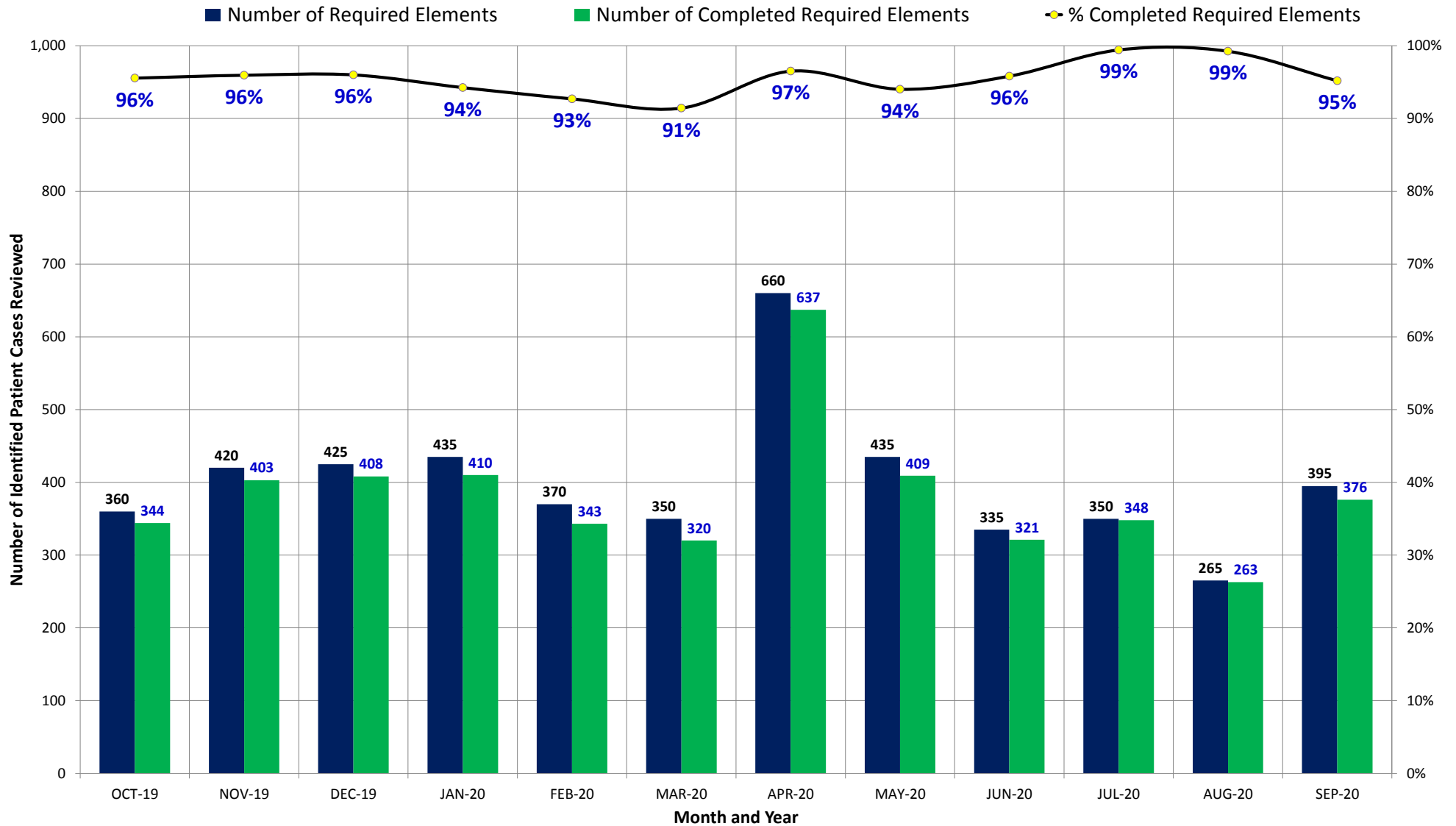
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EMS CQI Case Review: **Cardiac Arrest** Patients (Element Completion Counts)



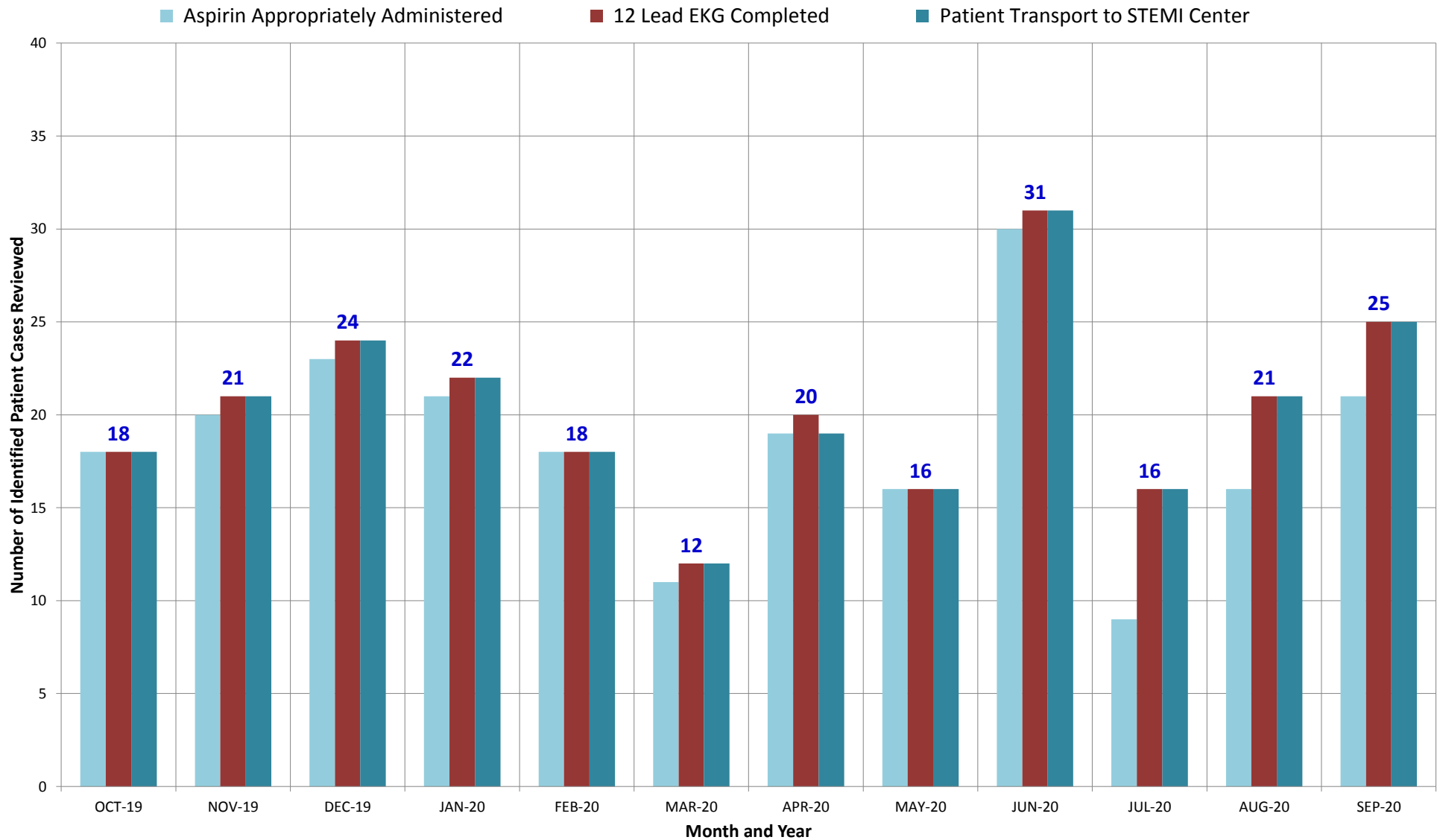
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EMS CQI Case Review: Cardiac Arrest Patients (Element Completion Percentages)



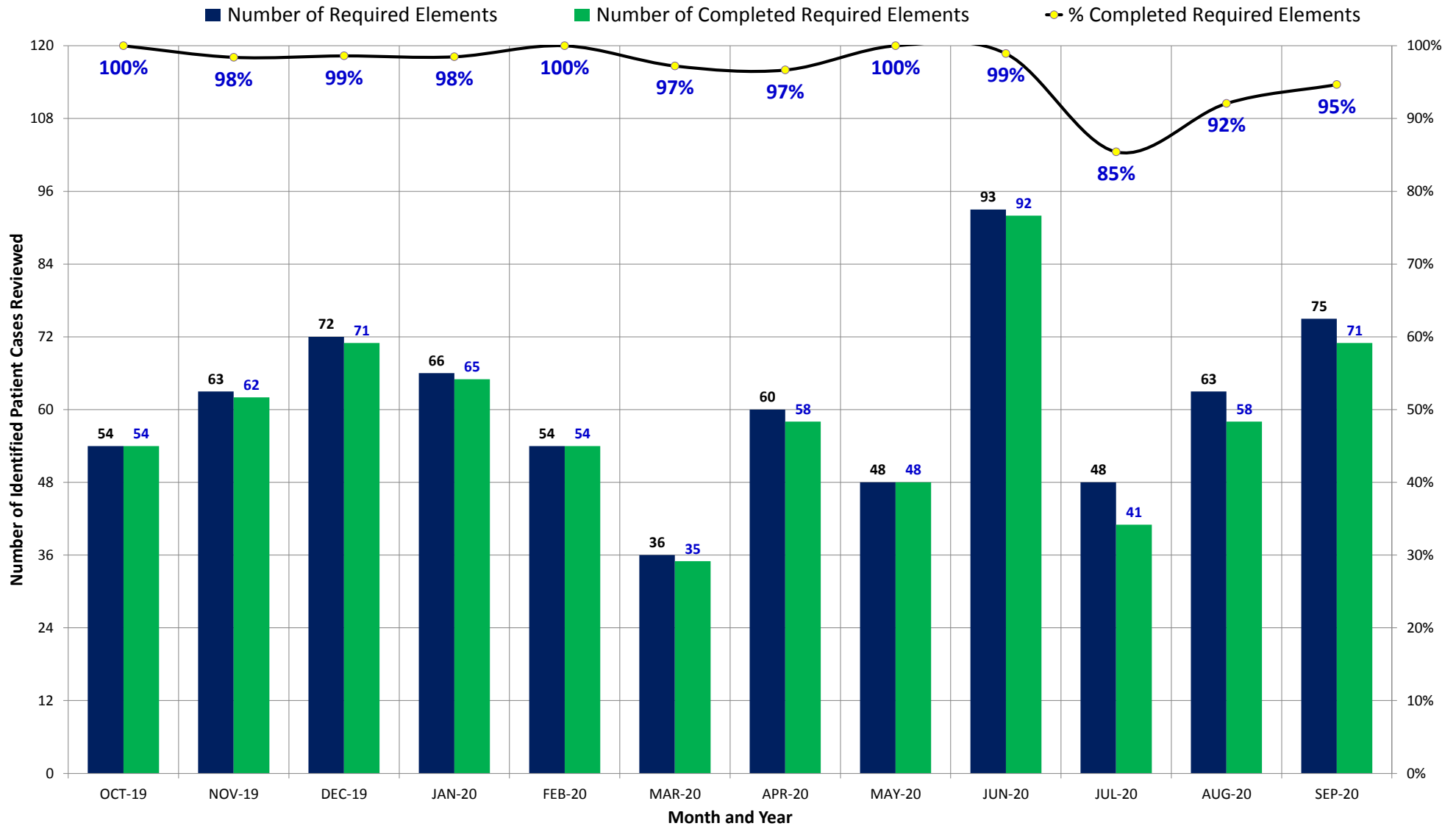
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EMS CQI Case Review: STEMI Patients (Element Completion Counts)



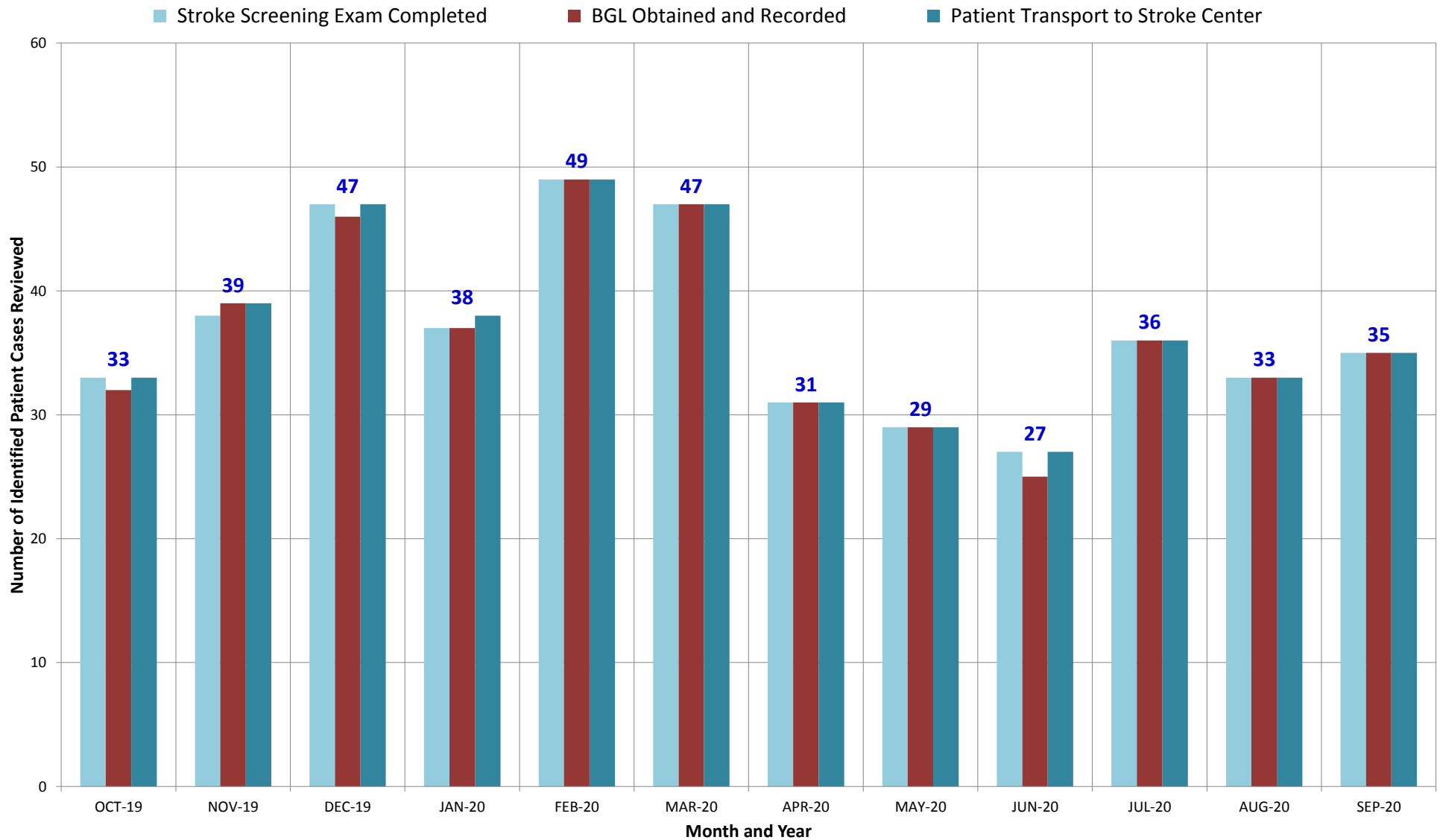
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EMS CQI Case Review: STEMI Patients (Element Completion Percentages)



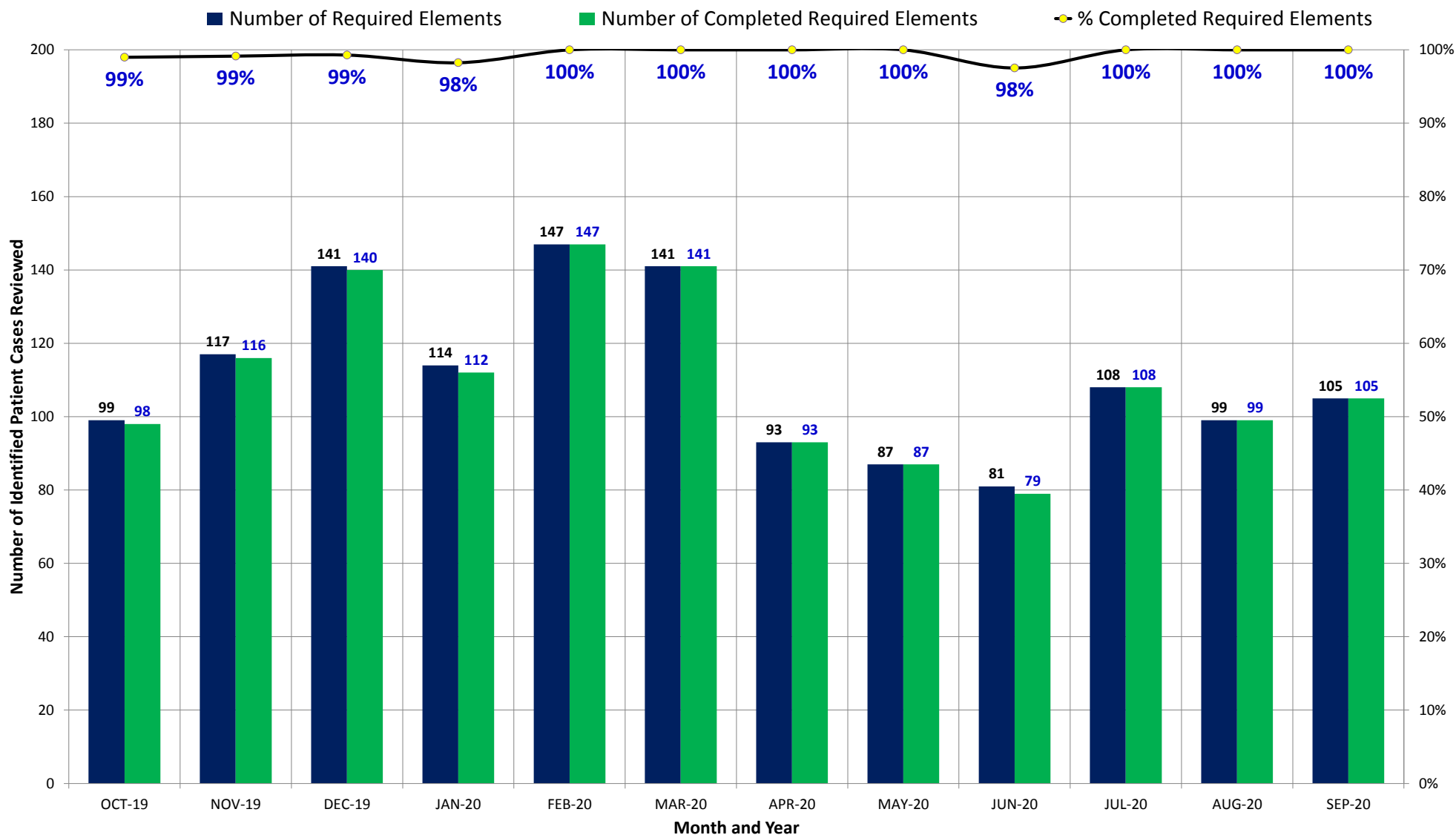
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EMS CQI Case Review: **STROKE** Patients (Element Completion Counts)



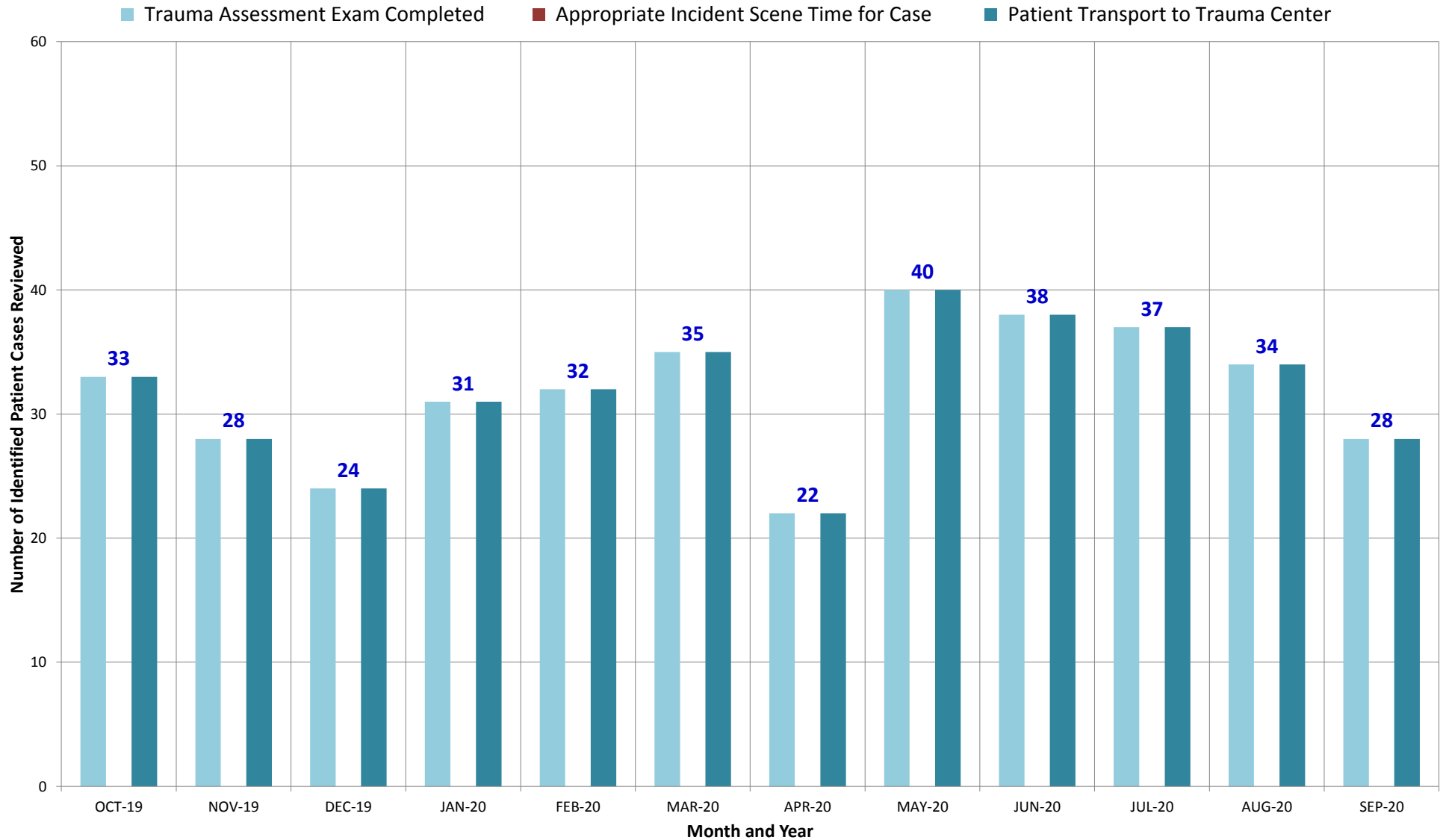
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EMS CQI Case Review: **STROKE** Patients (Element Completion Percentages)



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EMS CQI Case Review: **TRAUMA** Patients (Element Completion Counts)



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EMS CQI Case Review: **TRAUMA** Patients (Element Completion Percentages)

