

Acumen Analytics software sample report

Cohort Comparison

Acumen Analytics

Before HPI		After HPI	
Hypotension statistics		Hypotension statistics	
Gender	46.67 % (male), 53.33 % (female)	Gender	45.45 % (male), 54.55 % (female)
Age	58.67 ± 22.35	Age	54.82 ± 9.48
Weight	72.58 ± 24.97 kg, 160.07 ± 55.16 lbs	Weight	99.38 ± 37.73 kg, 219.18 ± 83.27 lbs
Height	163.07 ± 10.37 cm, 64.27 ± 4.15 in	Height	168.09 ± 9.57 cm, 66.18 ± 3.68 in
Total monitoring time of the cohort	4008.67 minute(s)	Total monitoring time of the cohort	2792.67 minute(s)
Monitoring time per patient	267.24 ± 178.88 [185, 240, 349.83] minute(s)	Monitoring time per patient	253.88 ± 93.87 [182.58, 230, 270.58] minute(s)
Number of patients with hypotension	15 of 15 100%	Number of patients with hypotension	5 of 11 45.45%
Total number of hypotensive events in dataset	75 event(s)	Total number of hypotensive events in dataset	10 event(s)
Average number of hypotensive events per patient	5 ± 6.18 [2, 2, 6.5] event(s)	Average number of hypotensive events per patient	0.91 ± 1.3 [0, 0, 1.75] event(s)
Average duration of each hypotensive event	9.48 ± 20.98 [1.67, 4, 6.33] minute(s)	Average duration of each hypotensive event	2.1 ± 1.26 [1, 1.67, 3] minute(s)
Total duration of hypotension in cohort	711.32 minute(s)	Total duration of hypotension in cohort	20.99 minute(s)
Mean MAP under 65 mmHg per patient	58.89 ± 2.88 [56.43, 59.23, 61.24] mmHg	Mean MAP under 65 mmHg per patient	61.16 ± 1.73 [59.93, 61.3, 62.46] mmHg
Area under 65 mmHg for MAP per patient (AUT)	331.4 ± 646.18 [43.42, 77, 267.67] mmHg x minute(s)	Area under 65 mmHg for MAP per patient (AUT)	8.85 ± 15.88 [0, 0, 10.42] mmHg x minute(s)
TWA* (MAP < 65 mmHg) per patient	1.39 ± 1.78 [0.15, 0.91, 2.1] mmHg	TWA* (MAP < 65 mmHg) per patient	0.04 ± 0.06 [0, 0, 0.06] mmHg
% of patients that experience an event under 50 mmHg	6 of 15 40%	% of patients that experience an event under 50 mmHg	0 of 11 0%
Total number of events when a patient is under 50 mmHg	11 event(s)	Total number of events when a patient is under 50 mmHg	0 event(s)
Lowest MAP among all patients	36 mmHg	Lowest MAP among all patients	55 mmHg

* TWA is time weighted average.



Edwards

Cohort Comparison

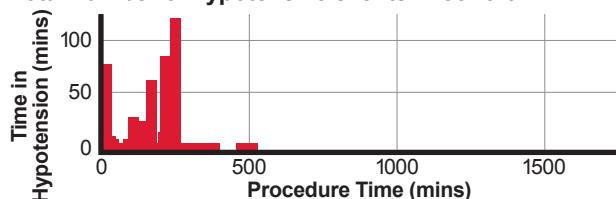
Acumen Analytics

Before HPI

Description

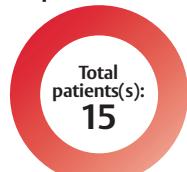
Cohort name	Before HPI
Number of files	15
First case start timestamp	April 15, 2019, 7:56:42AM
Last case start timestamp	May 01, 2019, 8:50:17AM

Total number of hypotensive events in cohort



75
Events

Percent of patients with hypotension



15 Patients(s)
100%

Average time in hypotension per procedure



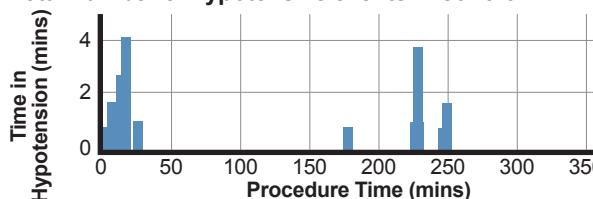
55.6 min
20.82%

After HPI

Description

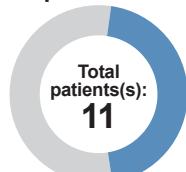
Cohort name	After HPI
Number of files	11
First case start timestamp	June 13, 2019, 10:07:29AM
Last case start timestamp	July 01, 2019, 11:23:41AM

Total number of hypotensive events in cohort



10
Events

Percent of patients with hypotension



5 Patients(s)
45.45%

Average time in hypotension per procedure



1.9 min
0.76%

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