

# Time from A&E attendance to Orthopaedic Clinic Appointment

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# Aims & Objectives of the audit

- To ensure that patients attending A&E are seen by an Orthopaedic specialist in clinic in adequate time to improve quality of care.
- Collect data from 2013 and 2014 demonstrating the time period of time between A&E attendance and clinic.
- Analyse and compare sets of data.
- Identify potential areas for improvement.

# Identifying Best Practice

- BOAST 7 Guidelines: Fracture Clinic Services
  - Following acute traumatic orthopaedic injury, patients should be seen in a new fracture clinic within 72 hours of presentation with the injury. This includes referrals from emergency departments, minor injury units and general practice.
  - Evidence Base: This guideline is based upon professional consensus, as there are very few scientific studies in this area.

# Sample and Data collection

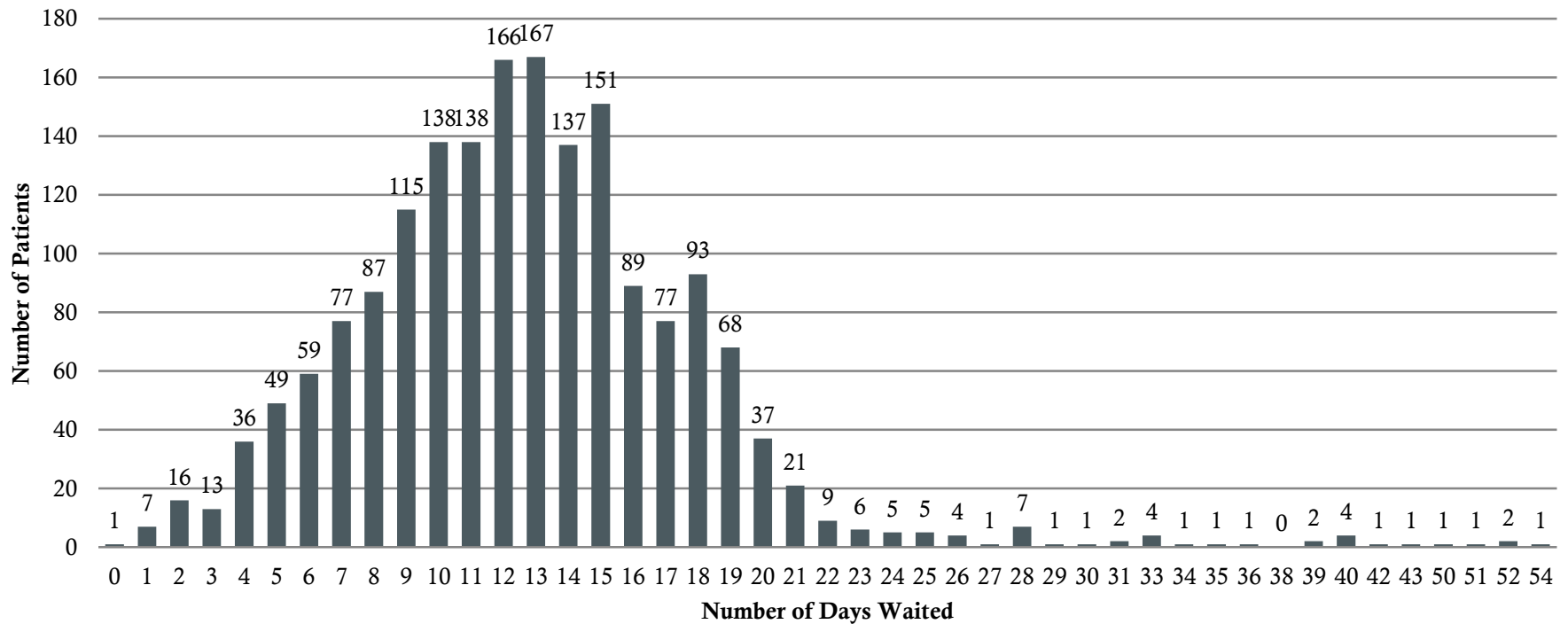
- Data was collected electronically in September
- Collected by XXXXX
- For each patient we collected date of attendance at A&E, and date of first attendance at fracture clinic.
- 2269 patients between 01/03/2014 and 31/08/2014
- 1803 patients between 01/03/2013 and 31/08/2013
- Patients were only identifiable by hospital number

# Data analysis

- Excel data spreadsheets were produced.
- Analysed 2013 data as whole.
- Analysed 2014 data as whole, hot consultant clinics only, as well as fracture clinics only.
- Comparing 2013 and 2014 data.
- Including analysis of the day patients presented.

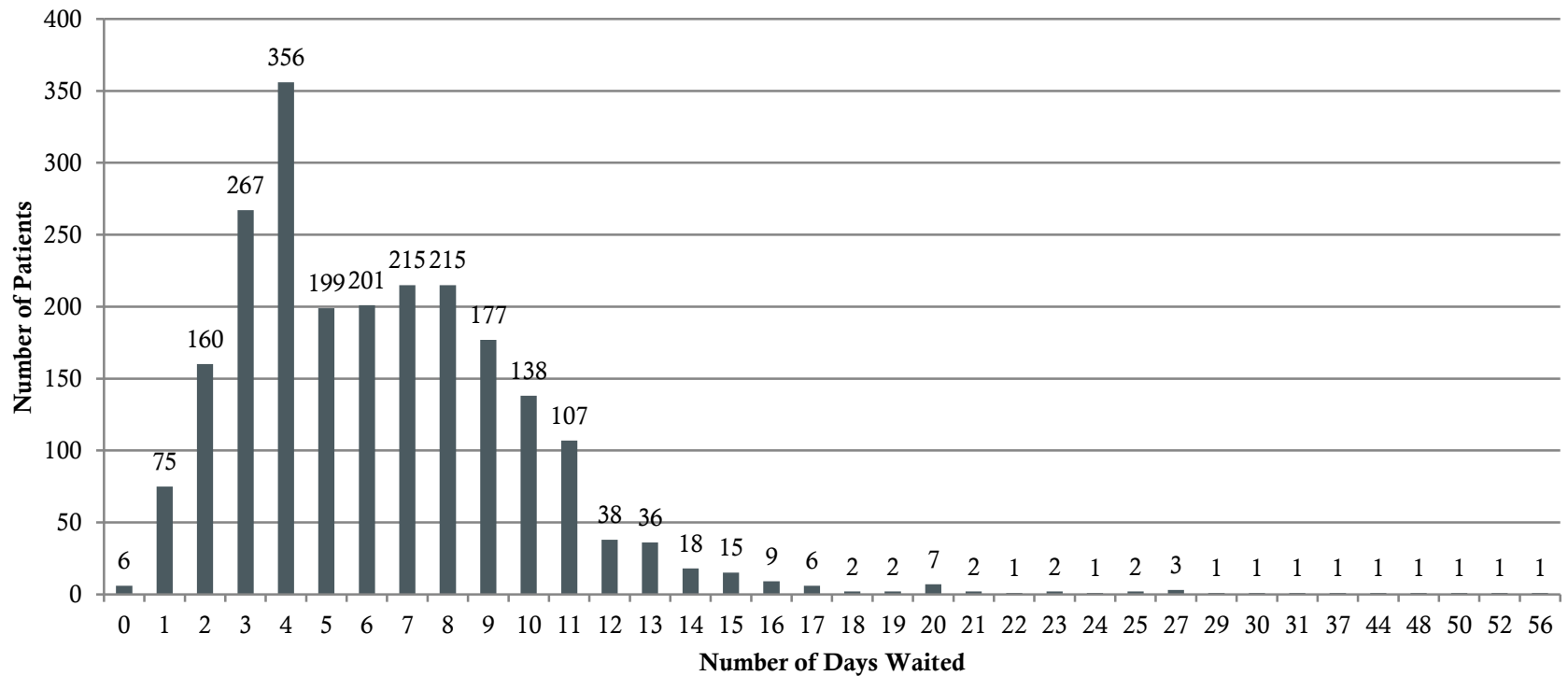
# Results 2013

**Number of Days between A&E attendance and Fracture Clinic Attendance 01/03/13-31/08/13 - 1803 Patients**



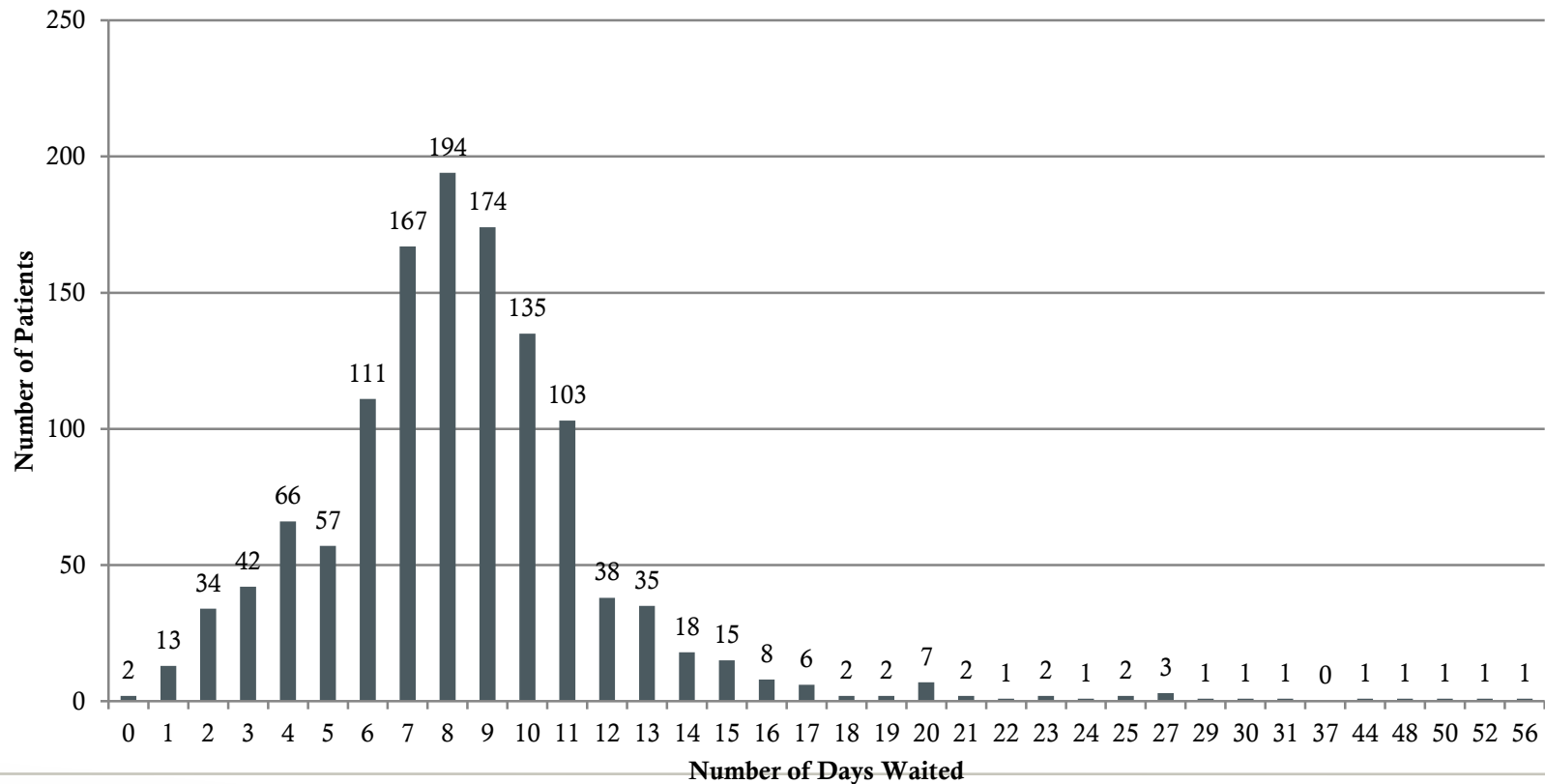
# Results 2014

**Number of Days between A&E attendance and Clinic Attendance 01/03/14 - 31/08/14 - 2269 Patients**



# Fracture Clinics 2014

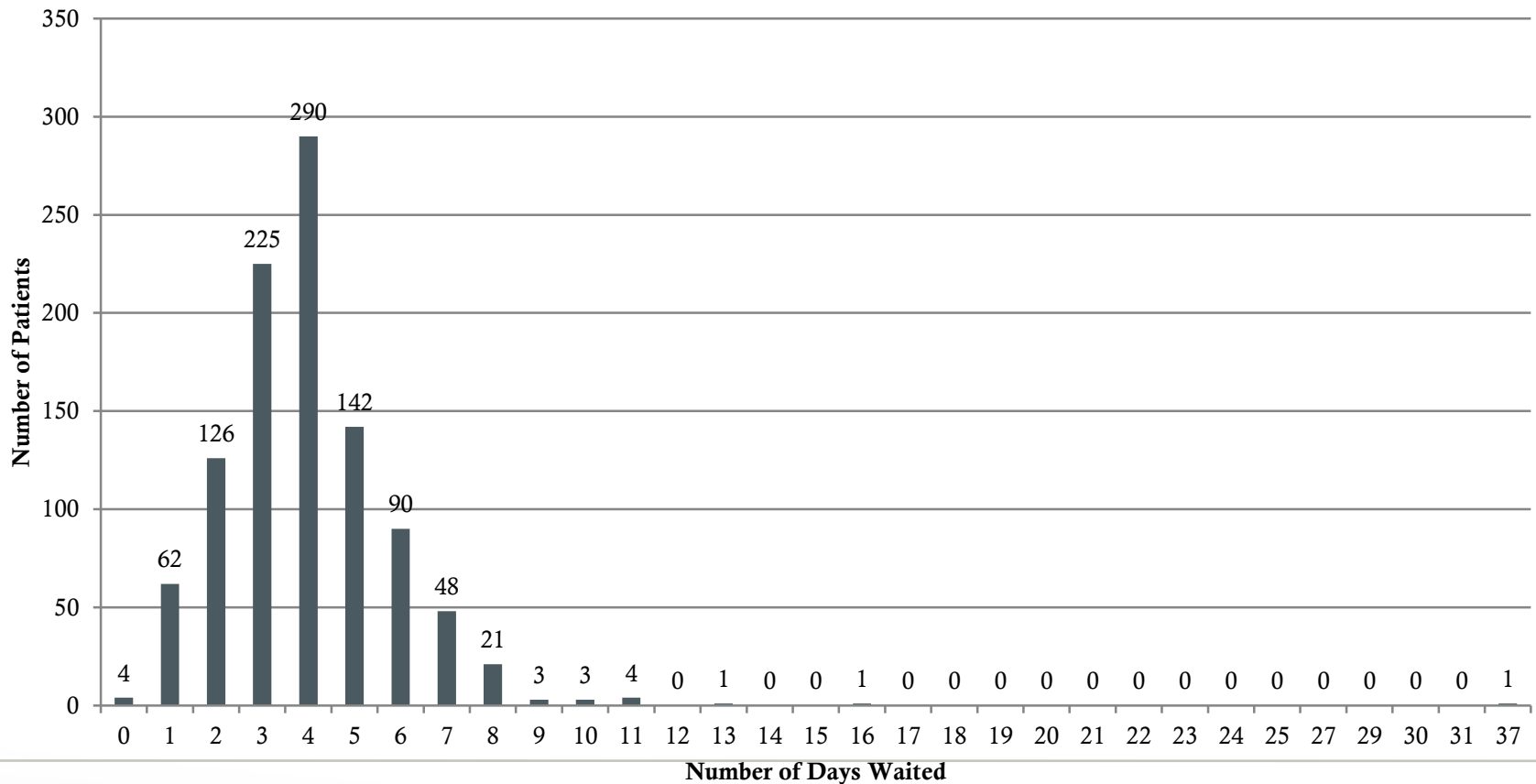
**Number of Days between A&E attendance and Fracture Clinic Attendance 01/03/14 - 31/08/14 - 1248 Patients**





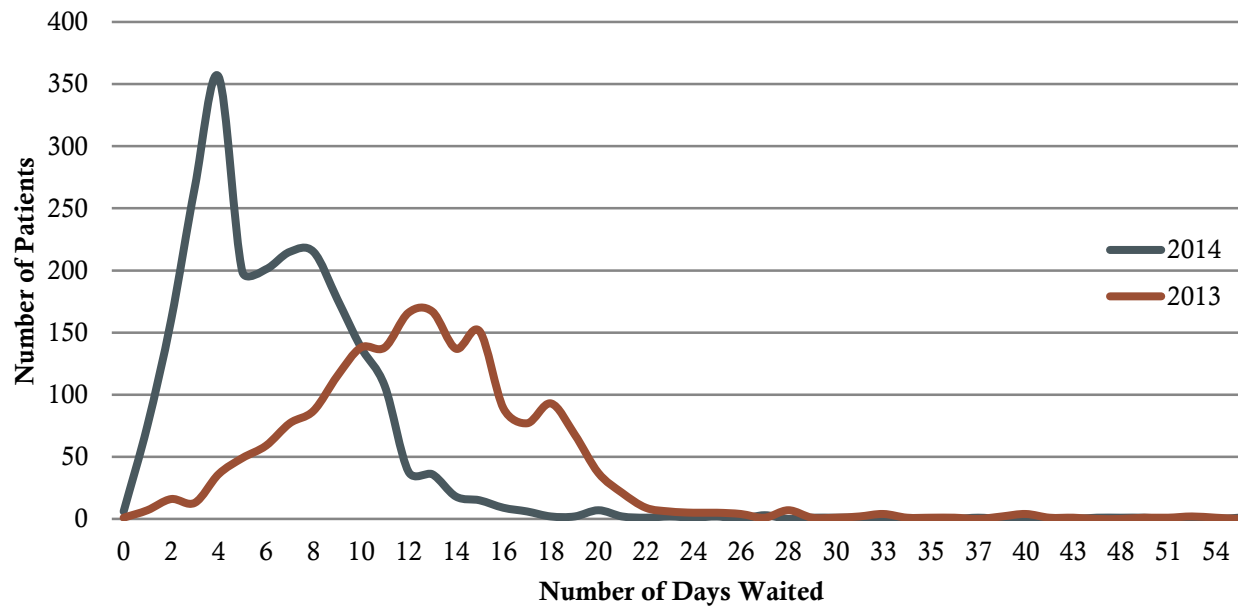
# Hot Consultant Clinics 2014

**Number of Days between A&E attendance and Hot Consultant Clinic Attendance 01/03/14 - 31/08/14 - 1021 Patients**



# 2013 vs 2014

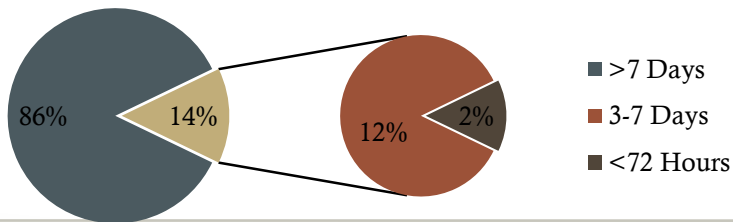
## Number of Days Waited Between A&E and Orthopaedic Clinic 2013 vs 2014



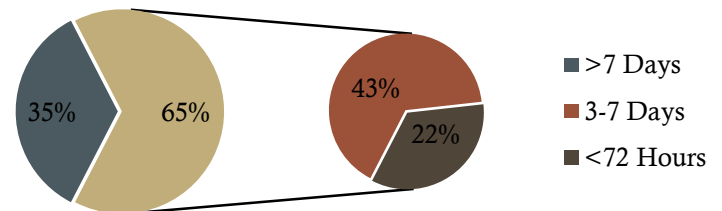
# Results

Clinic	N° of Patients	Mean Wait (days)	N° of Patients Seen in <72hrs	% Seen in <72hours	% Seen in 7 Days
2013	1803	12.79	37	2.05	14
2014	2269	6.48	508	22.39	65
2014 FC Only	1248	8.52	91	7.29	39
2014 HC Only	1021	3.99	417	40.84	96.7

2013

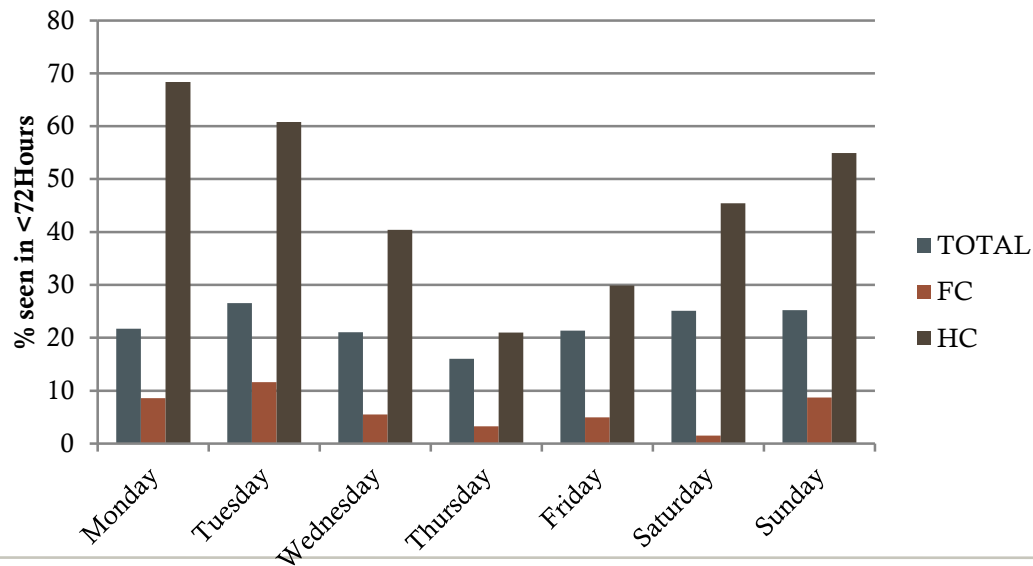


2014



# Day analysis

Day Attended A&E	Monday			Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday		
	Total	FC	HC	Total	FC	HC	Total	FC	HC	Total	FC	HC	Total	FC	HC	Total	FC	HC	Total	FC	HC
N° of Patients	359	280	79	328	241	97	328	182	146	331	93	238	295	101	194	287	133	154	341	219	122
Mean Wait (Days)	7.2	8.2	3.5	6.9	8.0	3.9	6.9	8.7	4.6	5.5	9.7	3.9	5.9	9.0	4.3	5.9	8.5	3.7	6.8	8.6	3.4
N° Seen in <72 Hours	78	24	54	87	28	59	69	10	59	53	3	50	63	5	58	72	2	70	86	19	67
% Seen in <72 Hours	21.7	8.6	68.4	26.5	11.6	60.8	21.0	5.5	40.4	16.0	3.2	21.0	21.4	5.0	29.9	25.1	1.5	45.5	25.2	8.7	54.9



# Observations

- Vast improvement in timing of care from 2013 to 2014
  - 65% seen within 7 days in 2014 vs 14% in 2013
  - Mean wait reduced from 12.8 days to 6.5 days
  - 22.4% now seen within 72 hours vs 2% in 2013
- Introduction of hot clinic has been effective.
  - 96.7% of patients seen within 7 days in this clinic
  - 40.8% within 72 hours
  - Mean wait of 3.99 days
- Patients presenting on Monday have the highest mean wait
- Patients presenting on Thursday are least likely to be seen within 72 hours

# Recommendations and actions

- Compare clinic capacity with requirements
- Assess booking system in order to increase efficiency
- Potentially increase clinic capacity
  - Registrars in Hot Consultant clinic
- Expand Friday Clinic in order to reduce carryover to following week

# Acknowledgements

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# References

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