



Specialist Children's Services



# The Value of Data

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*Delivering better health*

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“And this is where the reorg happened...”



# So What?

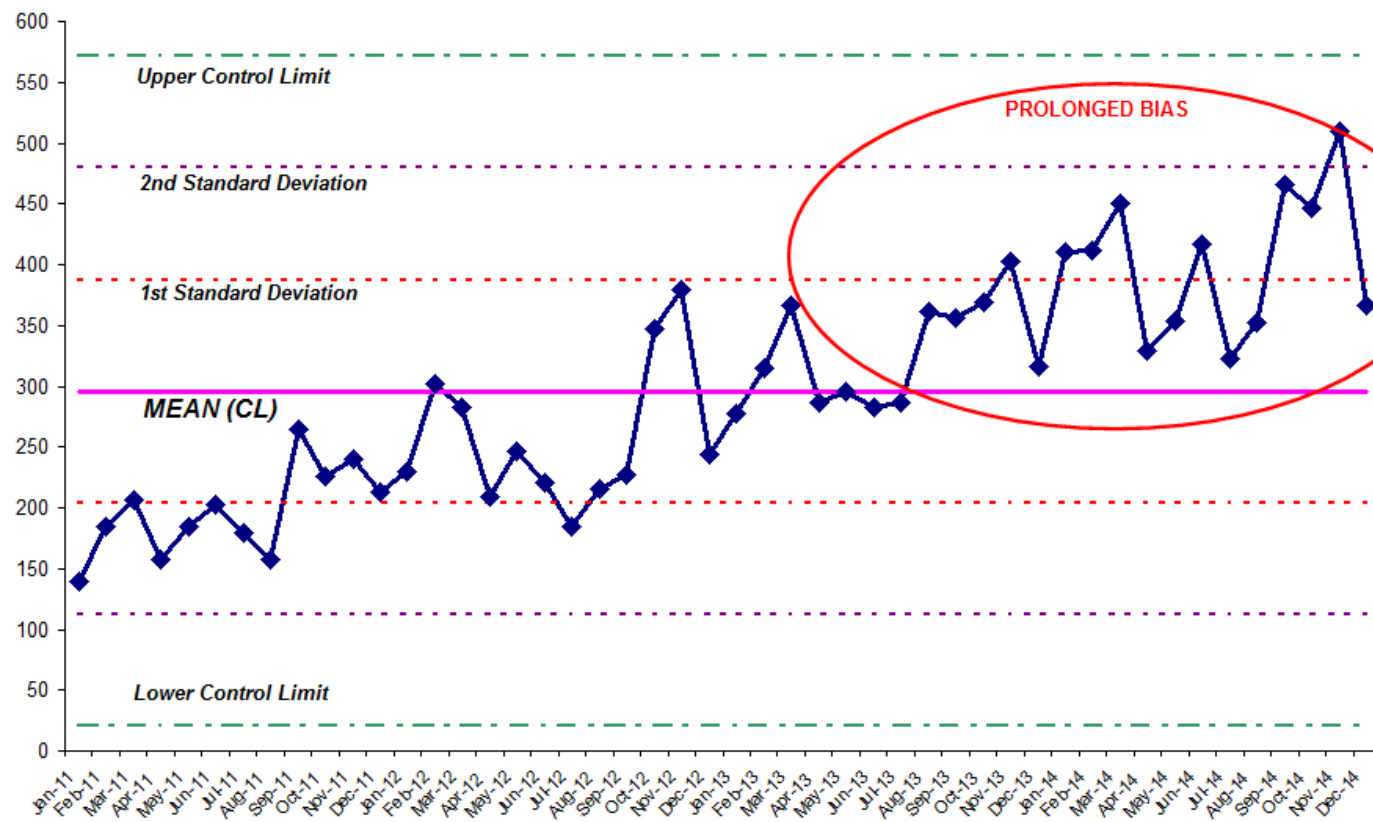
## Where is the Value?

- **Learning from Past Performance**
- **Analysing the Current Service**
- **Predicting the Future**



**Learning for Past Performance:** By analysing the past you can understand historic trends and patterns in activity. Furthermore, you'll get to know which services performed better than the others and therefore what is working and what may not be.

**Accepted Referrals (January 11 - December 14)**

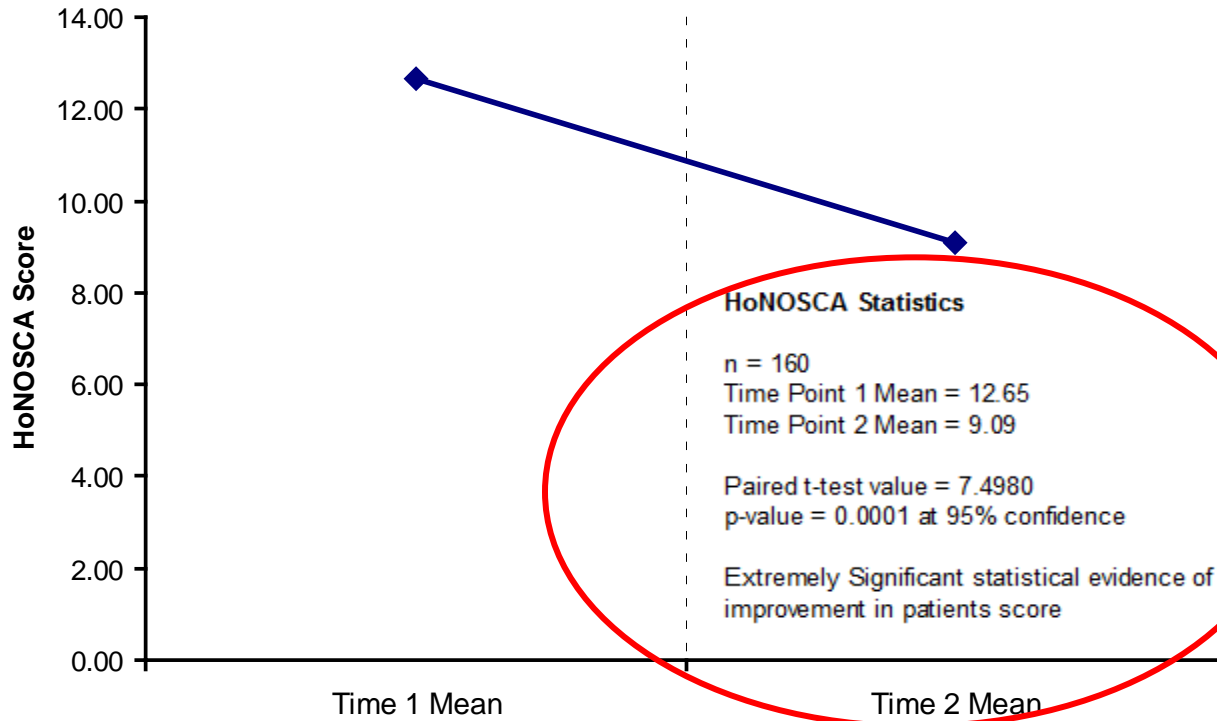


Control Limits can show trends in historic data to demonstrate performance and change over time



**Analysing the Current Service:** Data analysis of the present allows you to understand the current service better. It helps you to understand what is working well and if improvements are required.

**Average HoNOSCA Scores - All CAMHS**

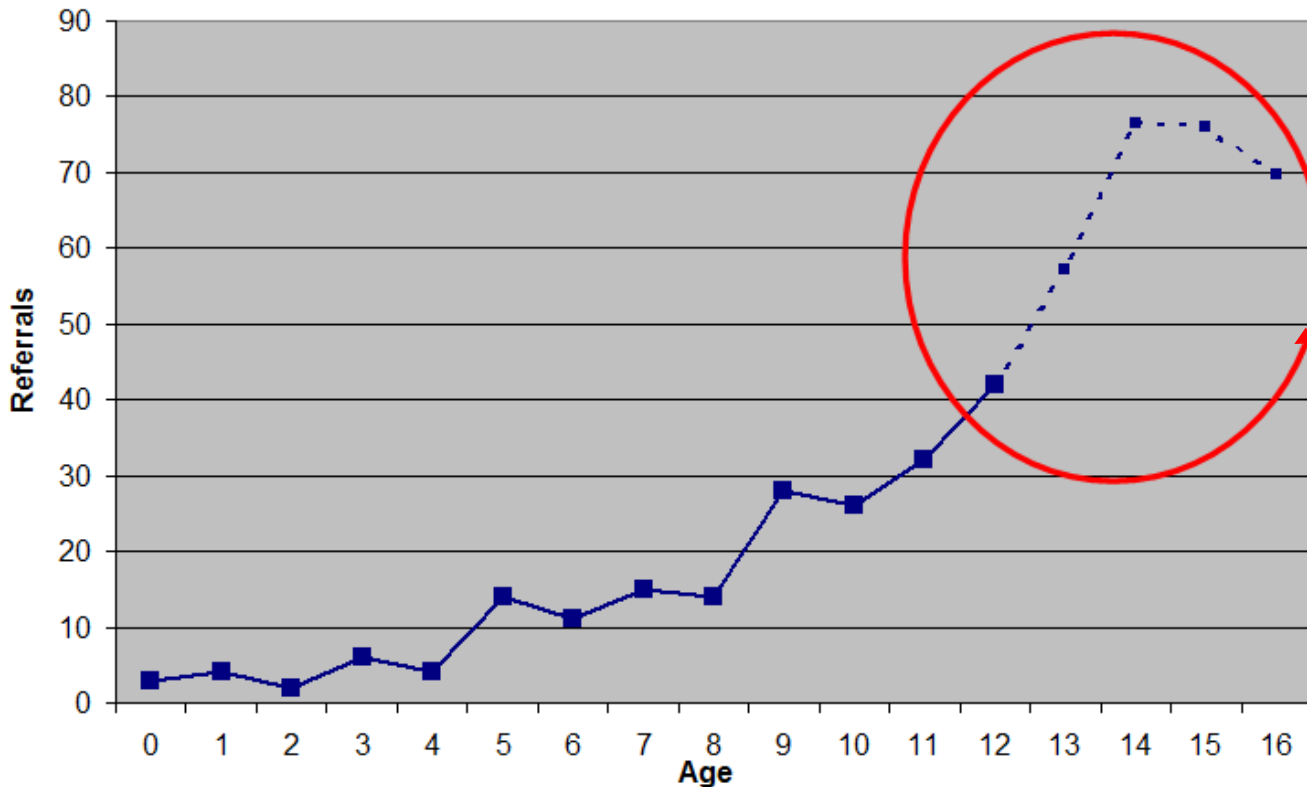


Statistical and significance level data around current outcome measures shows the service is improving mental health and wellbeing in young people. If these results change, this will highlight a requirement for clinical service improvement



**Predicting the future:** Data analysis can help you give an idea regarding the future. It looks into trends and growths in the current services and makes assumptions based on that. This in turn allows the organisation to establish plans for the future.

**Predicted Service Demand to Extend Age Ranges**  
Actual (-13) and Projected (+12)



Regression Analysis to determine expected demand on a new service, based on the current information available



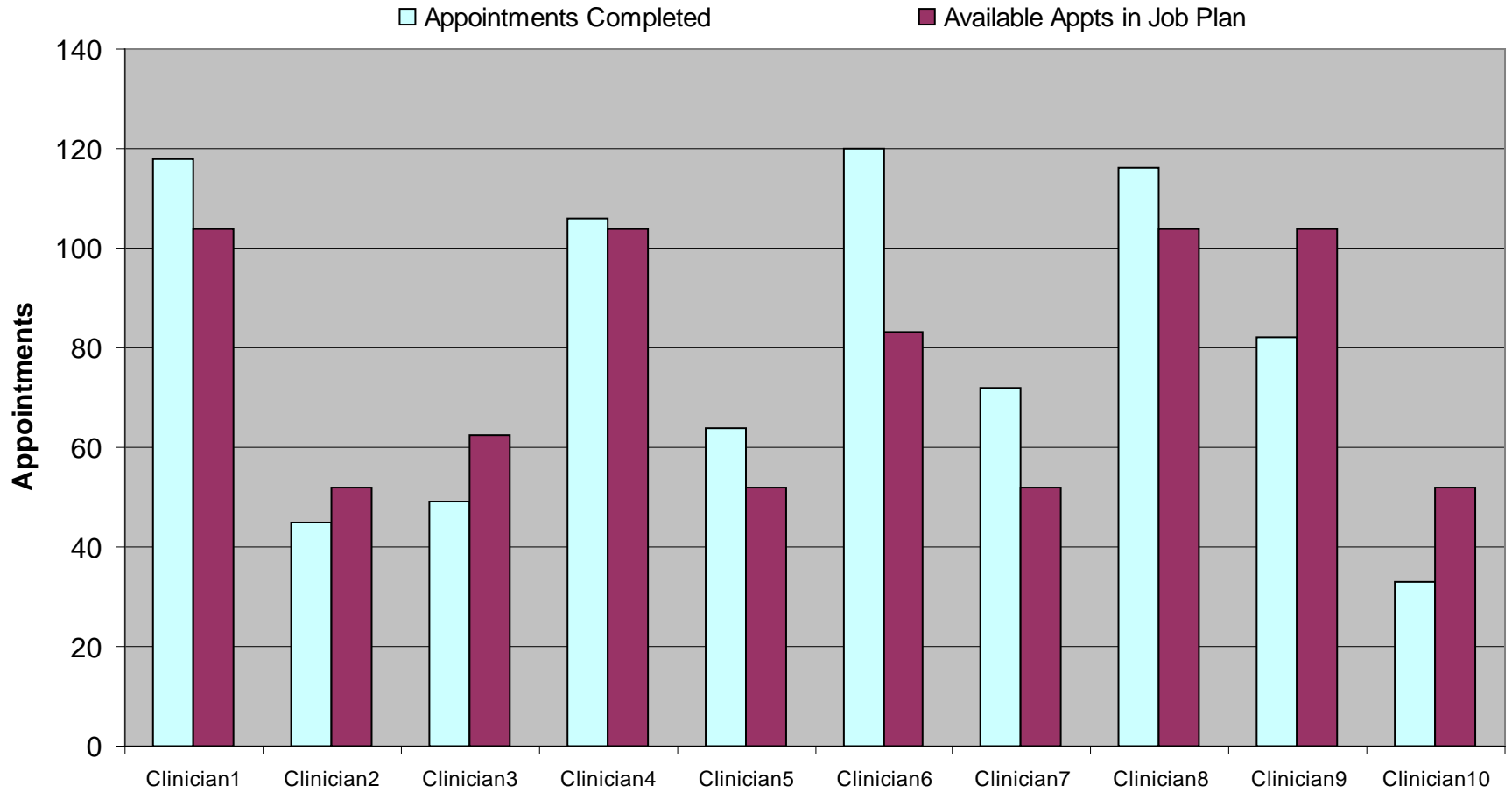
# Live Example

## Testing Demand and Capacity

- Compare live activity data to agreed job plans
- Identify the inefficiencies and anomalies
- Calculate required clinical capacity
- Adjust job plan to meet demand
- Adjust practice to achieve job plan



## Capacity - 13 Weeks till 30th Jan 2015





# Job Planning Using the Data

## Weekly for 1 WTE

		Mon	Tue	Wed	Thu	Fri
Family	Am					
Therapist	Pm	<b>CH</b>				

**Total sessions** **10**

Team meeting, CPD, Specific work, Management, Admin, Duty, Tier 2, etc

= 6

Choice = 1

**Remaining Core sessions**      **10 – 7**      **= 3**

## Weekly for 15 WTE

Based on previous 6 weeks

Average referrals received weekly = 21

Average referrals accepted weekly = 14

**Total sessions** **150**

Team meeting, CPD, Specific work, Management, Admin, Duty, Tier 2, etc

= 90

Choice = 15

**Remaining Core sessions**      **150 – 105**      **= 45**

## Full Time Job Plan (summary)

	Monday	Tuesday	Wednesday	Thursday	Friday
9 am	Supervising		Team meeting	Duty System	Choice
10 am		Duty Meeting			
11 am	CORE P/ship	CORE P/ship			Big admin
12 pm		LUNCH			LUNCH
1 pm	LUNCH	Specific (CBT)	LUNCH	LUNCH	CPD
2 pm	Travel		CORE P/ship		Travel
3 pm	Choice			Travel	CORE P/ship
4 pm				Specific (Family Therapy)	
5 pm					Big admin



Data used well is valuable and will provide the fundamentals for policy and service improvement.

Children and Families and Specialist Children's Services are becoming data rich and we're in a position to exploit this to improve services and patient experience.

We should aim to measure, analyse and use as much as possible.

