



Whether You  
**THINK**  
**YOU CAN**  
or you  
**THINK**  
**YOU CAN'T**  
You're right.   
Henry Ford

© M.J. BAKER

inspired radiant  
delighted  
passionate  
delightful  
extraordinary  
brilliant  
magnificent  
brave  
superb  
fantastic  
groovy  
unbelievable  
thankful  
dynamic  
glorious  
adventurous  
wonderful  
heavenly  
divine  
excellent  
marvelous  
illustrious  
playful  
powerful  
charismatic  
outstanding  
majestic  
ecstatic  
elated  
joyous  
gorgeous  
amazing  
joyful  
astounding  
excited  
sublime  
invincible  
dazzling  
fearless  
fabulous

Da da... Da da... Da da da da da da... DATA !

	A	B	C	D
1				
2	189	88.3	38049	874108
3	\$1,898	\$1,897	\$2,834	\$2
4	\$88.20	\$33.30	12-Mar	Friday
5	John	56382.1	2013	\$29.99
6	Caitlyn	389	4	17
7	Morgan	1276	986	-352
8	Wednesda	Sam	52	24
9	\$10.50	1050	\$1,050	1.05
10	839867	87419	6783765	87.087
11	n/a	Citizens Ur	7	3/15/2014



# Two ways we learn from data

1. Discovering where improvement is needed, or where improvement ideas can be gleaned from
2. Detecting when improvement is occurring in as close to real-time as possible

# Interpreting run charts

## Run Chart: Four simple rules

A **shift**: six or more consecutive data points either all above or below the median.

A **trend**: five or more consecutive data points that are either all increasing or decreasing in value. If two points are the same value ignore one when counting.

An **astronomical data point**: a data point that is clearly different from all others. This relies on judgement. Every data set has a highest and lowest. They won't necessarily be an astronomical data point.

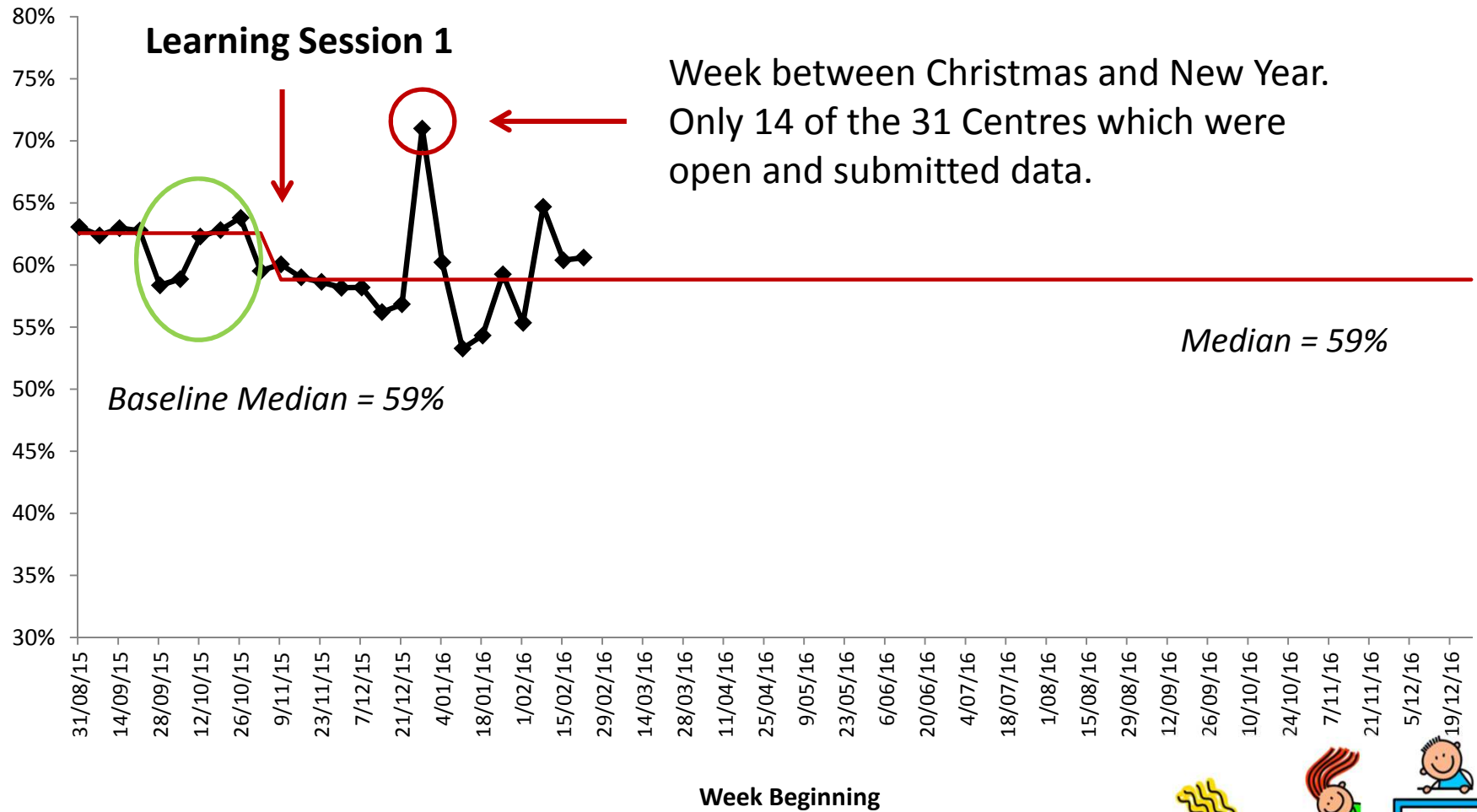
**Too many or too few runs**: a run is a consecutive series of data points above or below the median. If there are too many or too few runs (i.e. the median is crossed too many or too few times) that's a sign of non-random variation.



# Subject matter expertise

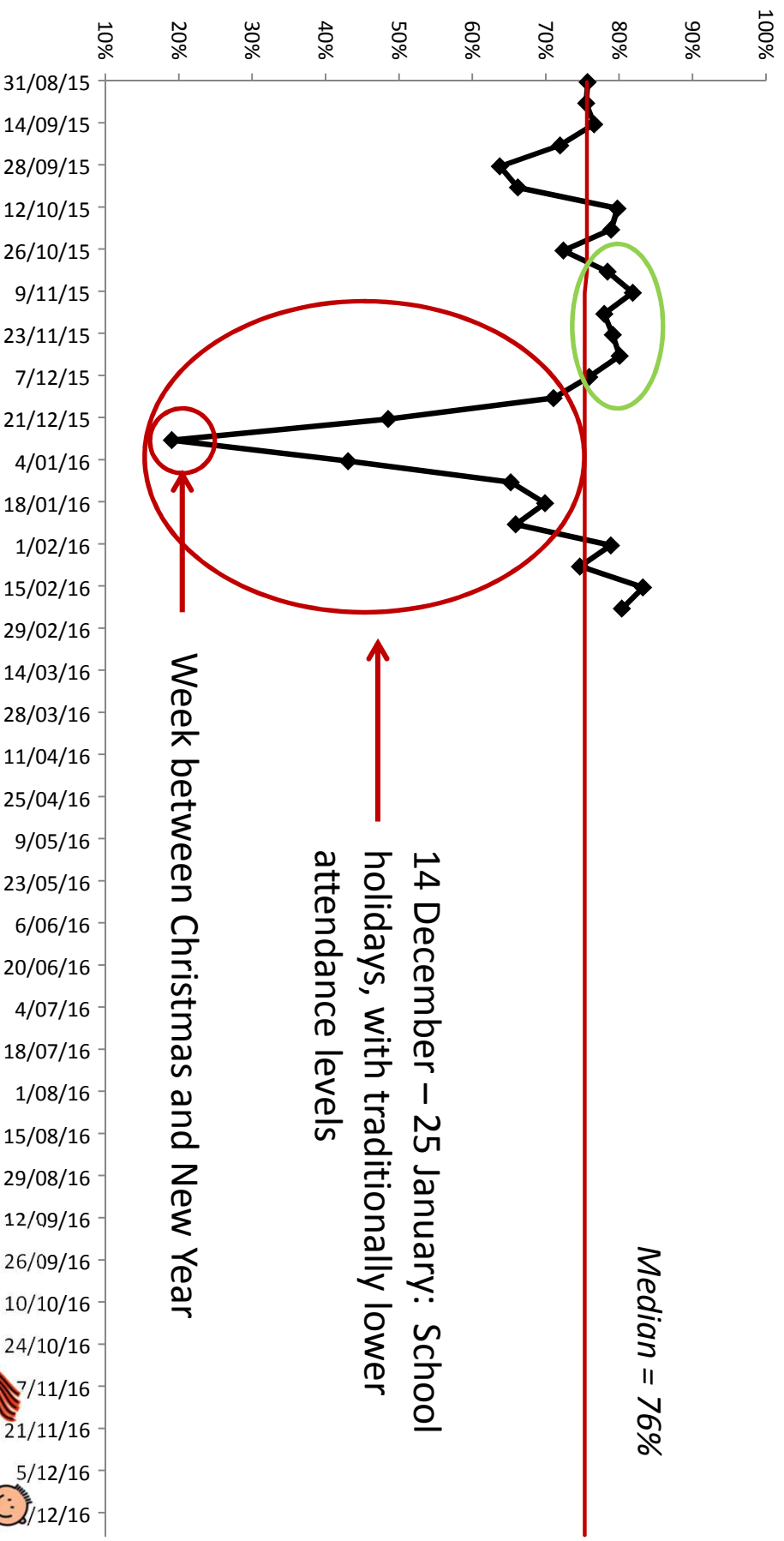
# All Centres: Enrolment

**Enrolment: Proportion of licenced hours that were booked per week**



# All Centres: Attendance

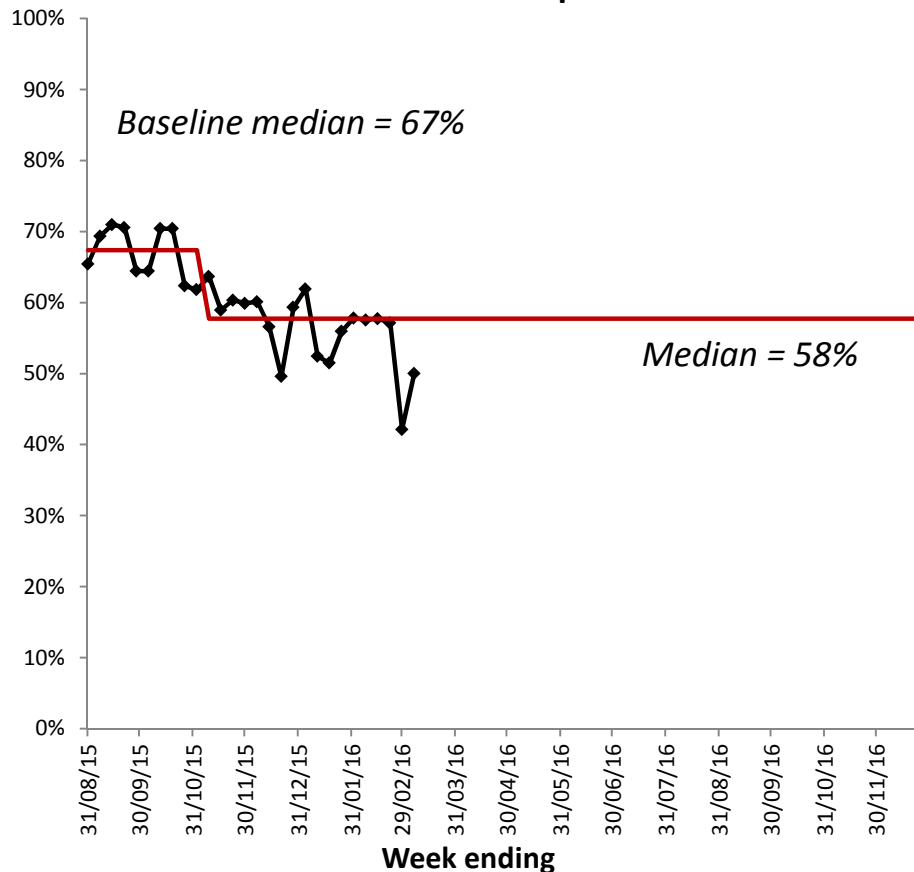
Attendance: Proportion of booked hours that were attended per week



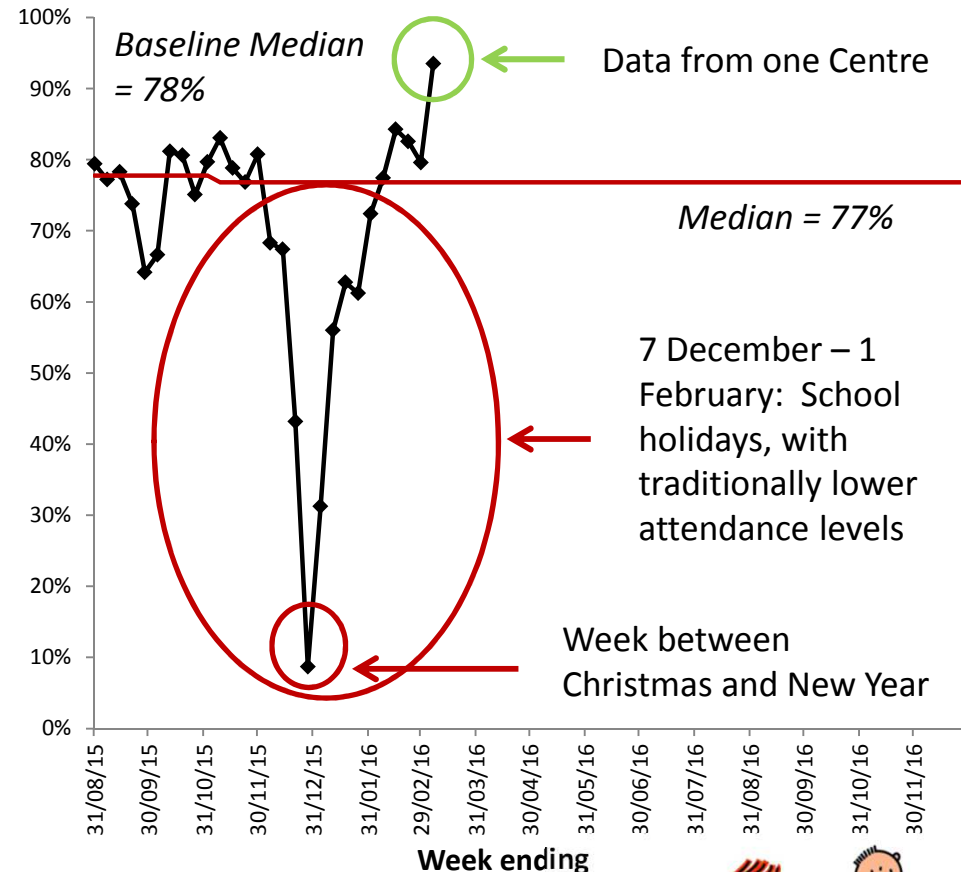
Week Beginning

# Auckland

**Enrolment: Proportion of licenced hours that were booked per week**



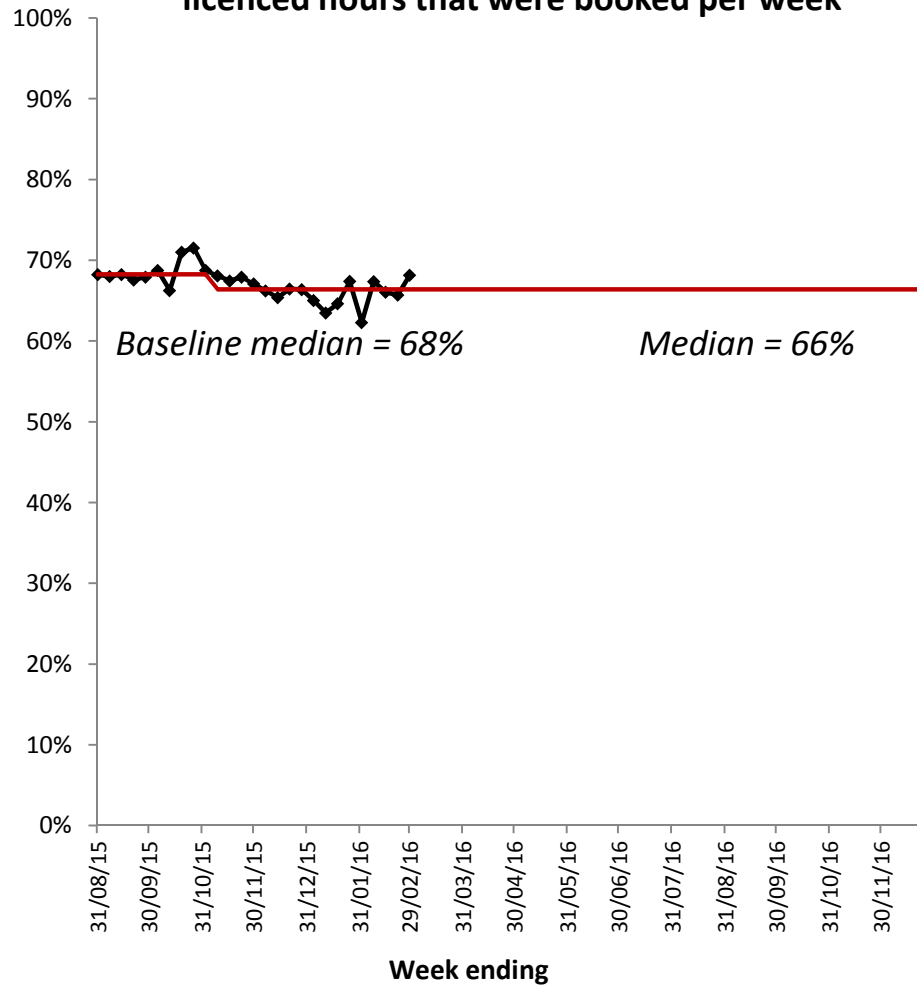
**Attendance: Proportion of booked hours that were attended per week**



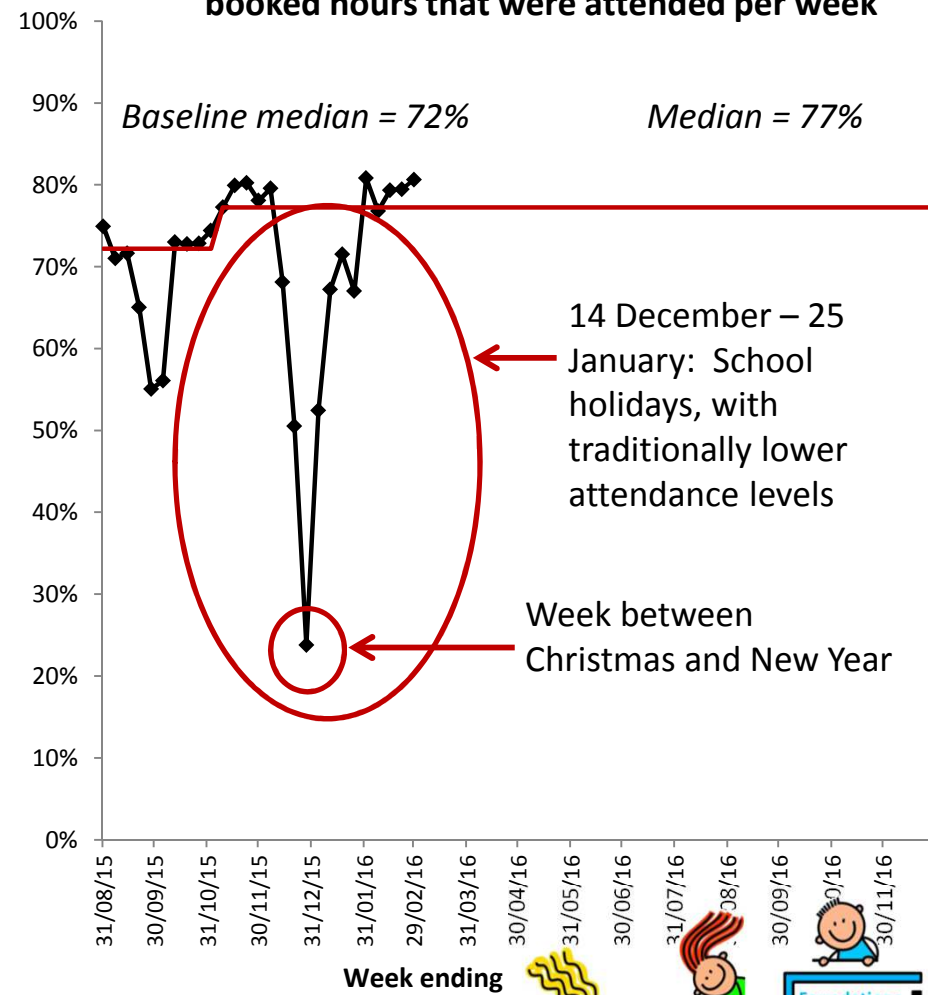


# Napier

**Napier Region: Enrolment - Proportion of licenced hours that were booked per week**

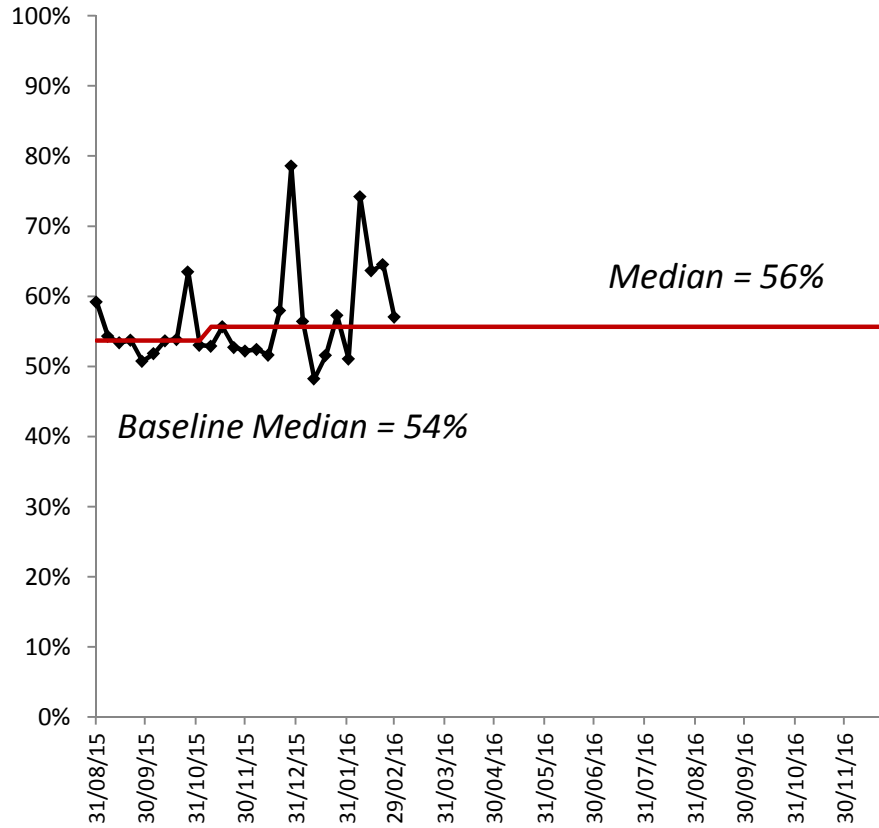


**Napier Region: Attendance - Proportion of booked hours that were attended per week**



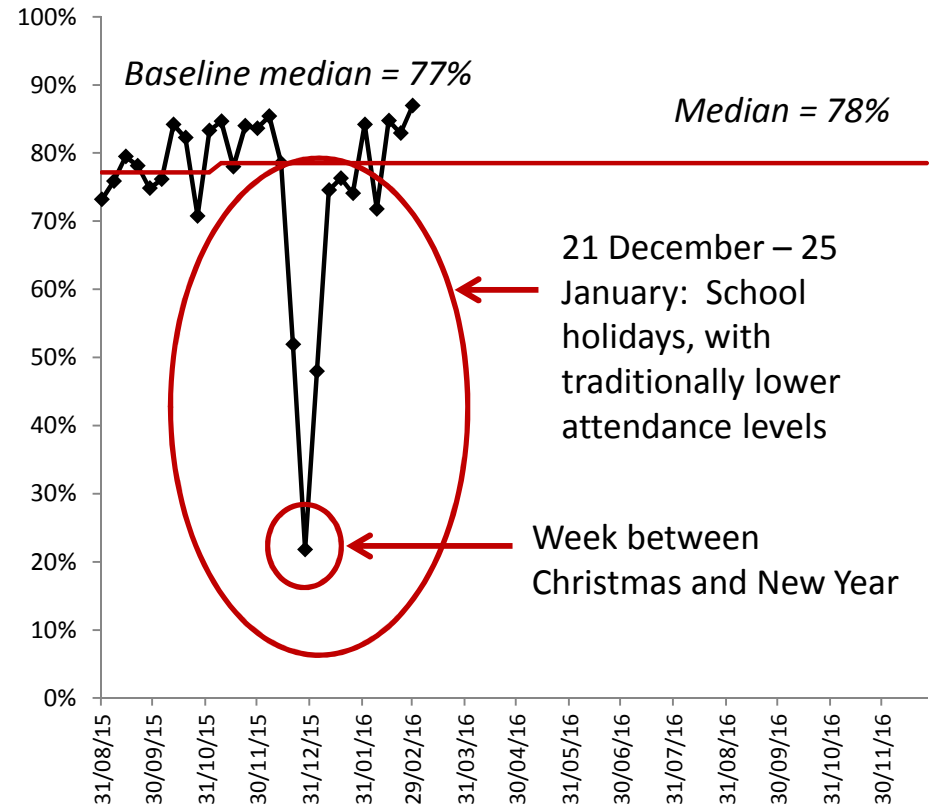
# Whanganui

**Whanganui Region: Enrolment: Proportion of licenced hours that were booked per week**



Week ending

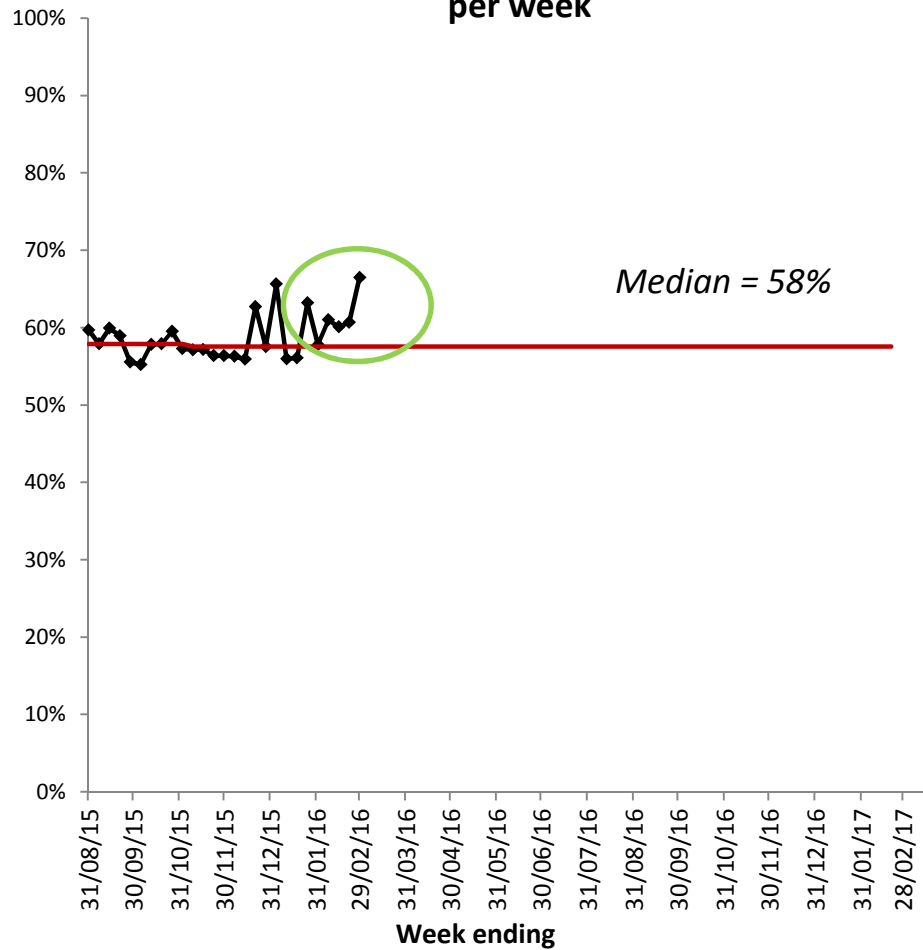
**Whanganui Region: Attendance: Proportion of booked hours that were attended per week**



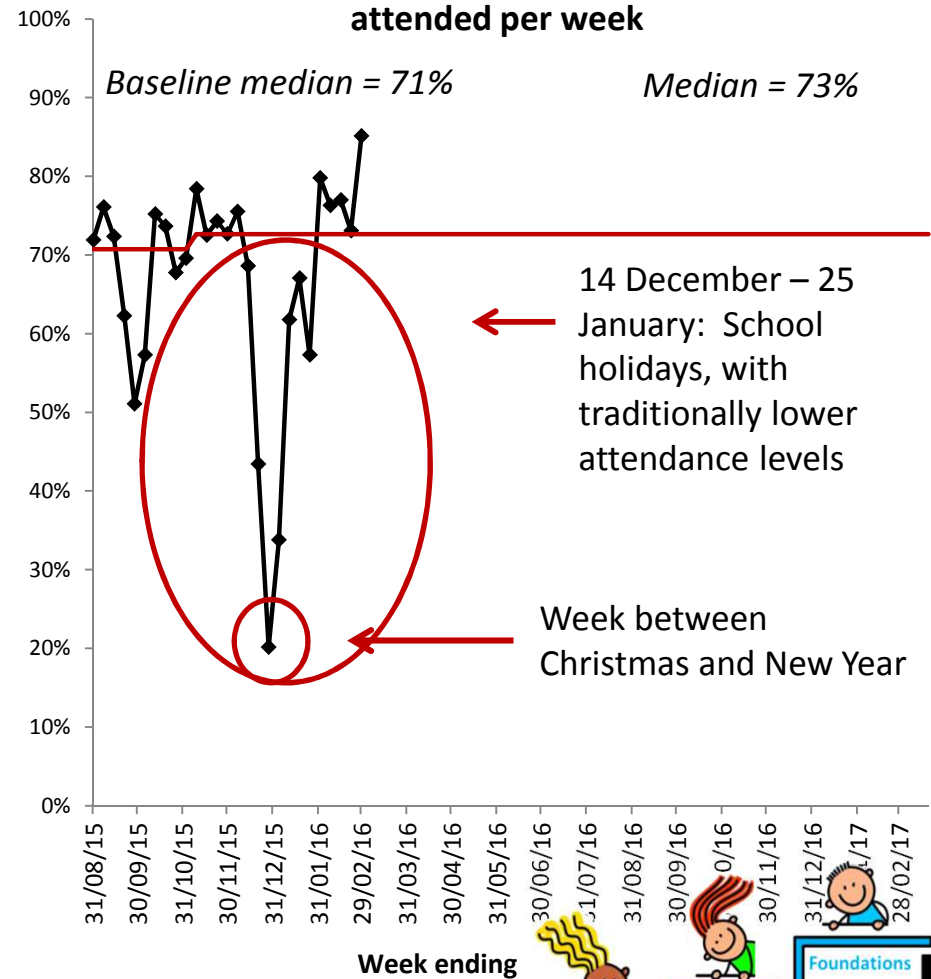
Week ending

# Lower Hutt and Nelson

**Lower Hutt / Nelson Region: Enrolment:**  
**Proportion of licenced hours that were booked**  
**per week**

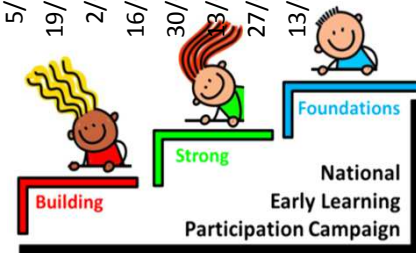
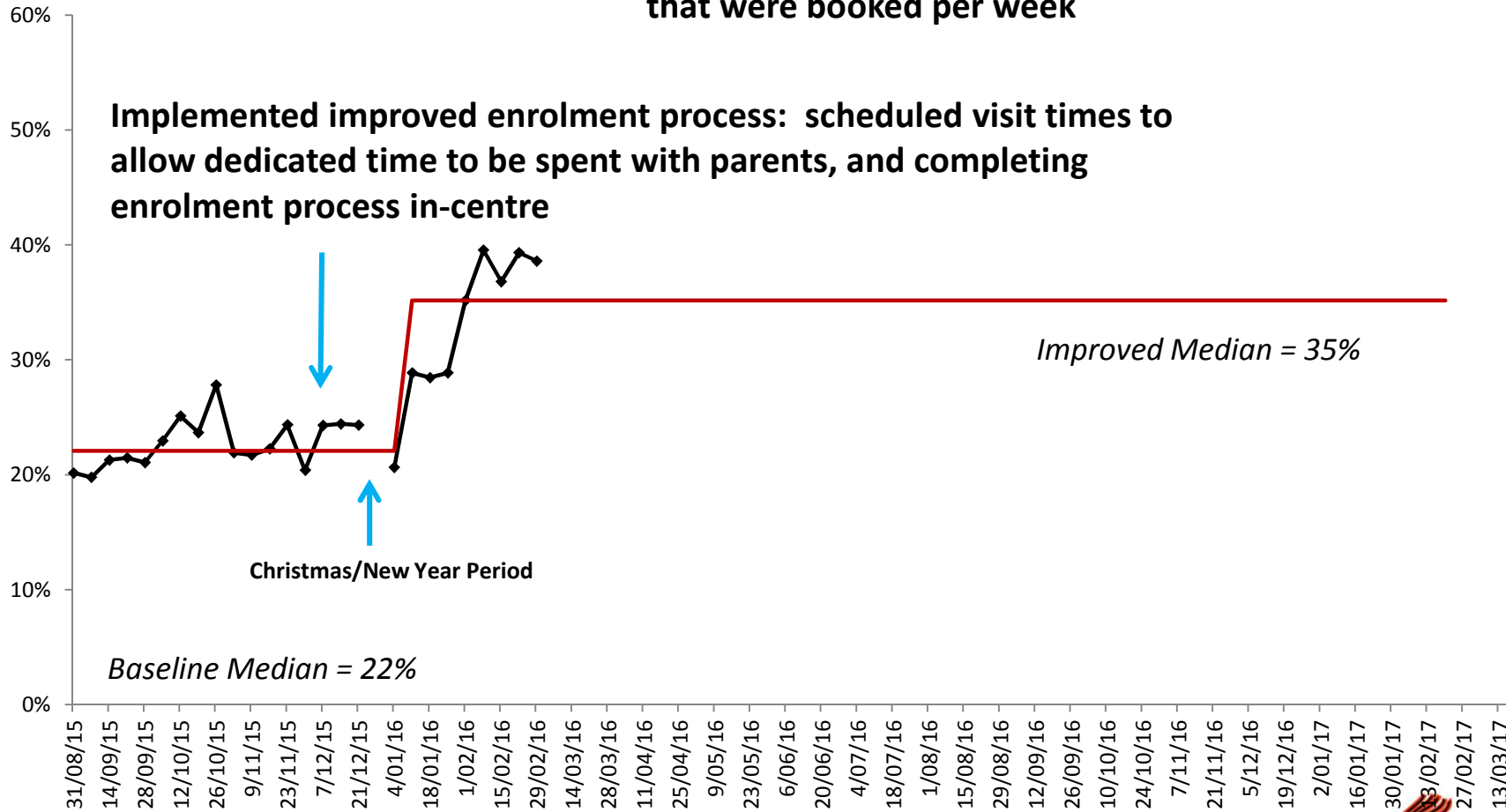


**Lower Hutt / Nelson Region: Attendance:**  
**Proportion of booked hours that were**  
**attended per week**



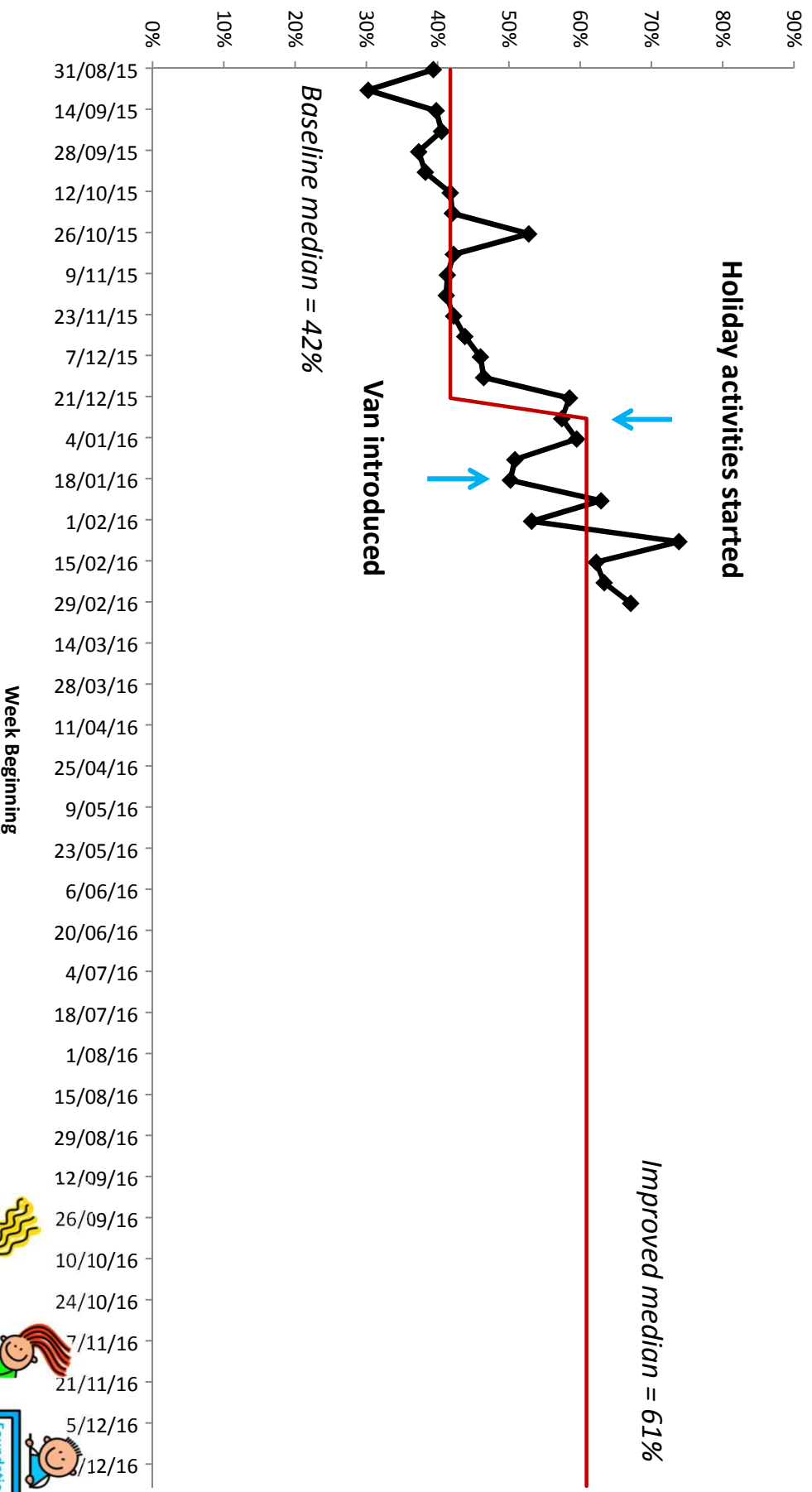
# Bright Spots

**Bright Beginnings, Whanganui: Enrolment -Sheet3 Proportion of licenced hours that were booked per week**



# Bright Spots

Centre B: Enrolment - Proportion of licenced hours that were booked per week



# Final thoughts...

