







Retrospective review of impact in NWL of A&E changes at CMH and HH

CONFIDENTIAL

20th March 2015

Contents







- System wide impact of the A&E changes
- Deep-dive on high impact hospitals: Analysis of the plan vs. actual performance
- Planning and execution at NPH
- Assurance process followed for the A&E changes
- Lessons learned

Greater admissions at NPH and Hillingdon appear related to higher local demand







System-level overview of the impact from changes at CMH and HH

Performance

- 4-hour performance declined for all A&Es in NWL in Oct 14 versus Oct 13
 - Most significant declines at St. Mary's (-7%) and NPH (-6%) and Ealing (-6%)
 - Performance across London in the same period declined by 2%

Demand

- Overall emergency admissions from NWL CCGs declined 3% despite a pan-London increase of 5% (Oct 13 vs Oct 14)
- There is significant variation at the CCG level
 - Harrow, a core CCG for NPH, was up 6% while Hillingdon CCG was up 7%¹
 - Central London CCG was down 14%
- Average daily emergency admissions at NWL providers were also down (15 admissions per day lower in Oct'14 vs. Oct '13)
- However there were significant differences in emergency admissions per day at site level
 - NPH admitted 16 additional patients in Oct '14 vs Oct' 13, 4 more than the Trust had planned for
 - THH admitted 8 additional patients, 8 more than planned
 - St. Mary's admitted 8 additional non-elective patients, 5 less than ICHT planned (NOTE: comparison is Oct-Dec 13 vs Oct-Dec 14 for St Mary's)
- Type 1 conversion rates to admissions for NPH and Hillingdon also increased in Oct 14 vs Oct 13 (5% and 9% respectively)
- Even though ambulances arrivals into ED in NWL declined 11% versus October last year, Category A arrivals increased by 3% across NWL, which suggests higher acuity of ambulance patients overall
 - St. Mary's and Charing Cross had the highest increase in Cat A conveyances as a percent of total conveyances (up 9% and 11% respectively) followed by NPH at with a 8% increase

Bed capacity

Capacity for the system is slightly up overall, with NPH having the largest increase in capacity over the period (+37 beds)

Throughput

ALOS has improved in 4 of 7 sites in NWL, with NPH showing significant improvement by 9%

1. CCG wide numbers based on SUS data. THH saw an increase of 16% between Oct '13 and Oct '14

System-level overview of the impact from changes at CMH and HH







- Overall emergency admissions are down in NWL (Oct 13 vs Oct) though there are significant local demand spikes: Hillingdon
 and Harrow CCGs admissions increased 7% and 6% respectively in Oct 14 versus Oct 13 whereas Central London and West London
 CCGs are down 14% and 11% respectively
- Overall ambulance conveyances are down by 11% though category A conveyances are up 3%
- The change in activity flows associated with the CMH/HH changes were largely as expected but underlying increases in local demand were not planned for by Trusts or the SAHF programme
 - The distribution of demand from CMH and HH is in line with or lower than SAHF modelling for most sites (based on ambulance conveyances) with the exception of Charing Cross where conveyances from HH/CMH catchment are higher than expected
 - Underlying demand appears higher than modelled
- The increase in admissions at NPH and THH led to capacity constraints
 - Admissions at THH and NPH increasing by 8 and 16 per day vs a plan of 0 and 12 respectively
 - The increase in attendances at THH Oct 14 vs Oct 13 was significant though appears to have driven by a spike in local demand rather than hospital configuration changes,
- Capacity planning assumptions at NPH were materially different to the site's actual experience in October '14
 - NPH used an Average Length of Stay for incoming patients that was both shorter than the Trust's historical length of stay and the ALOS of patients transferring from CMH
 - NPH used a historical attendance to admission conversion rate that was substantially lower than the actual conversion rate in Oct
 14
- Admissions at St Mary's were lower than ICHT planning assumptions but in line with SAHF projections. Planned capacity and operating model initiatives appear to have been executed but rising ALOS across all non-elective admissions at St Mary's appears to have led to capacity constraints which in turn led to increased A&E wait times
 - Admissions increased by 8.4 per day (in line with SAHF projections but lower than Trust plans at 13 per day)
 - ICHT added 15 beds on the assumption that Average Length of Stay for additional incoming patients would be 1.1 days
 - ALOS was consistent with HH ALOS but required transfers to HH from St Mary's and increased Ambulatory Emergency Care volumes to be sutained
 - 15 beds were added, ambulatory care volumes have increased at St Mary's by approximately 6 per day and ward transfers from St
 Mary's to HH increased by 3 per day which appear to have offset the impact of increased admissions
 - Non-elective ALOS at St Mary's increased from 4.8 to 5.2 (unrelated to SAHF) leading to capacity constraints which in turn appears to have increased A&E wait times
- Ealing A&E performance appears unrelated to admissions volumes
 - Ealing's A&E 4 hr performance went down significantly from 97% to 91% from Oct '13 to Oct'14 even though daily admissions decreased by six, Oct 14 vs Oct 13. Emergency ALOS has increased from 4.28 to 5.14

Analysis by site (1/2)







Site	Change in 4-hour performance	Analysis Note: all comparisons are the October 2014 value compared to the October 2013 value
NPH	-6%	 A combination of higher demand and insufficient capacity led to decline in 4-hour performance Emergency admissions from Harrow CCG increased 6% Category A ambulance arrivals were up 16% (in absolute numbers)¹ Conversion rate of Category 1 attendances to admissions was up 5% Net result is NPH receiving 16 additional admissions per day when they had planned for 12 Capacity required was underestimated because of: Higher conversion rate than planned leading to higher admissions than planned ALOS assumptions that were lower than the ALOS observed in October 14
Ealing		 Overall admissions declined however operating challenges, particularly with regard to the management of non-elective medical inpatients, led to a decline in performance Local demand declined, with Ealing CCG seeing a 5% drop in admissions Ealing hospital had 6 fewer emergency admissions, which is consistent with the lower local demand Ealing hospital appears to not have received displaced activity from the A&E changes at CMH and HH Performance has deteriorated: in addition to the -6% change in 4-hour performance, Ealing occupancy was around 106% in Oct '14 and DTOCs increased to 15 per day from 3 per day with emergency ALOS increasing from 4.28 to 5.14 days

1 8% increase as % of total conveyances

Analysis by site (2/2)







_			TOTAL PROGRAM
Site	Change in 4-hour performance	Analysis	Note: all comparisons are the October 2014 value compared to the October 2013 value ²
SMH	-7%	 Performan Total ED day (how and the Categor Non-ele SMH ad 1.1 days Sustaini Ambulat Ambulat HH incre Observed delays, I 	attendances increased by 10% and reported Type 1 ED attendances reduced by 20 per wever changes to run UCC 24 hours/day resulted in fewer patients categorised as Type 1 Trust believes its underlying attendance mix and conversation rate is stable) by A ambulance arrivals increased by 10 per day, or 35% cive admissions increased by 8.4 per day (vs SaFH forecast of 8 and a Trust plan of 13). ded 15 beds to handle the additional demand which would be sufficient if LOS of remained as (actual ALOS at HH ward B1) and 1.1 LOS required increases of early transfers to HH from St Mary's and increases in cory Emergency Care cory care volumes increased at St Mary's by 6 per day and ward transfers from St Mary's to eased by 3 per day largely offsetting the increased admissions volumes and non-elective LOS increased from 4.8 to 5.2 days (not SaFH related e.g. repatriation ack of flow and delays in discharge) at St Mary's which led to capacity constraints and as in A&E wait times
ТНН	-4%	Local defendsCategor by 30%All typeNet result	al demand was not sufficiently offset by a higher number of beds emand increased 7% (i.e. from Hillingdon CCG) y A ambulance arrivals did not materially increase, although Blue light ambulances were up for this period conversion rate is similar ¹ ult is THH receiving 8 additional admissions per day when they had planned for none spacity has increased over last year, although not linked to A&E changes

¹ Type 1 Conversion rate was up 9% although this does not show the accurate picture given UCC changes last year

2 SMH comparisons are for Oct-Dec

Performance has declined for all the NWL A&Es over last few months

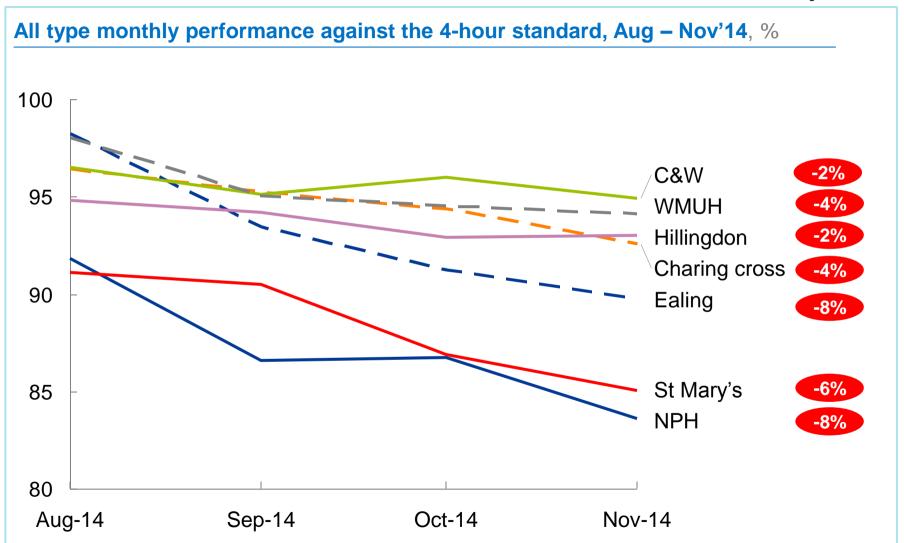








Percent point decrease from Aug '14 to Nov '14



Note: WMUH Nov'14 performance not known

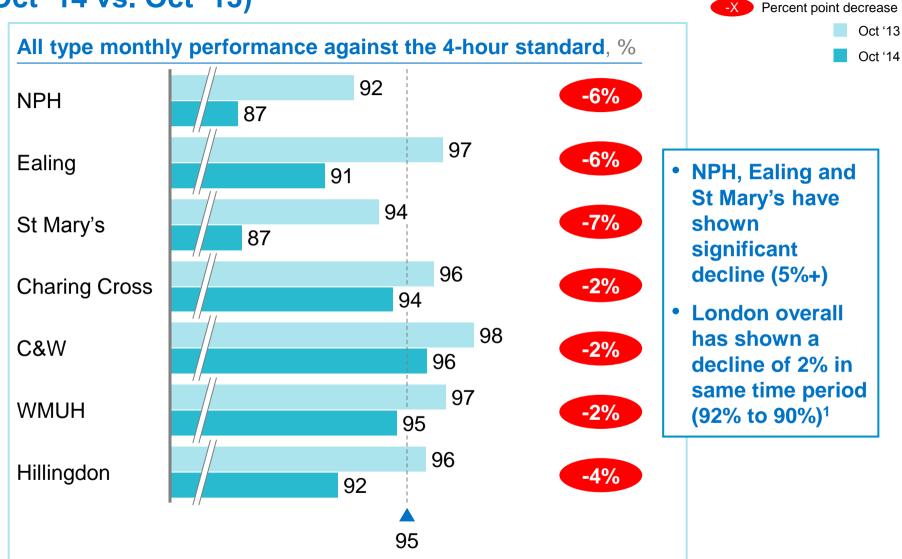
SOURCE: Trust submissions

Performance is also down compared to last year (Oct '14 vs. Oct '13)









¹ An approximation based on weekly sitreps performance by all London trusts

SOURCE: Trust submissions, Weekly sitreps performance

Overall decline of 3% in ED admissions in NWL CCGs, but significant local variations













Note: Total includes admissions from other CCGs as per SUS data

SOURCE: SUS data, London data from the weekly sit rep reports

Across NWL admissions are down by 15 in Oct'14 vs Oct '13, although NPH and Hillingdon have increased by 16 and 8 respectively







Base figure; other numbers in row are changes from this figure



Focus areas

	All type att.			Type 1 Attendance					Admissions ²			
	Sites	2013 Base	Trust plan	2014 Actual	2013 Base	SaHF plan	Trust plan ¹	2014 Actual	2013 Base	SaHF plan	Trust plan	2014 Actua
Sending	CMH	151	N/A	-60	42	-37	-37	-40	18	-19	-19	-15
hospitals	HH	135	N/A	-51	59	-50	-50	-58	28	-15	-15	-12
	NPH	410	+38	+80	233	+37	+23	+8	98	+18	+12	+16
	Ealing	278	0	+14	115	+10	0	-7	55	+3	0	-6
	St Mary's	240	+60	+28	150	+24	+40	-20	31	+8	+13	+9
Receiving hospitals	Charing cross	216	0	+2	96	+11	0	+2	44	+3	0	-2
Toophalo	C&W	307	0	+21	307	+1	0	+21	36	0	0	0
	WMUH	369	+3	+7	162	+3	+3	+4	45	+1	+1	+3
	Hillingdon	308	0	+48	141	+1	0	+19	56	+1	0	+8
	 Total	2,128	N/A	+121	1,204	0	-13	-68	365	0	-9	-15
SAHF modelled only type 1 attendance	• Hig	her adm	nissions t	han planr	ned at NP	PH, Hilling	gdon and	St Mary's	3			

¹ CMH and HH numbers taken from SAHF model NPH & SMH which are based on trust data. St Mary's comparison is Oct-Dec 13 to Oct -Dec 14.

^{2.} All emergency excluding maternity

^{3.} All actuals based on SUS data except Note: For trust model assumption a '0'

shows no change modeled SOURCE: SAHF, SUS, Trust, Team analysis

Type 1 conversion rates vary significantly between actual and plans

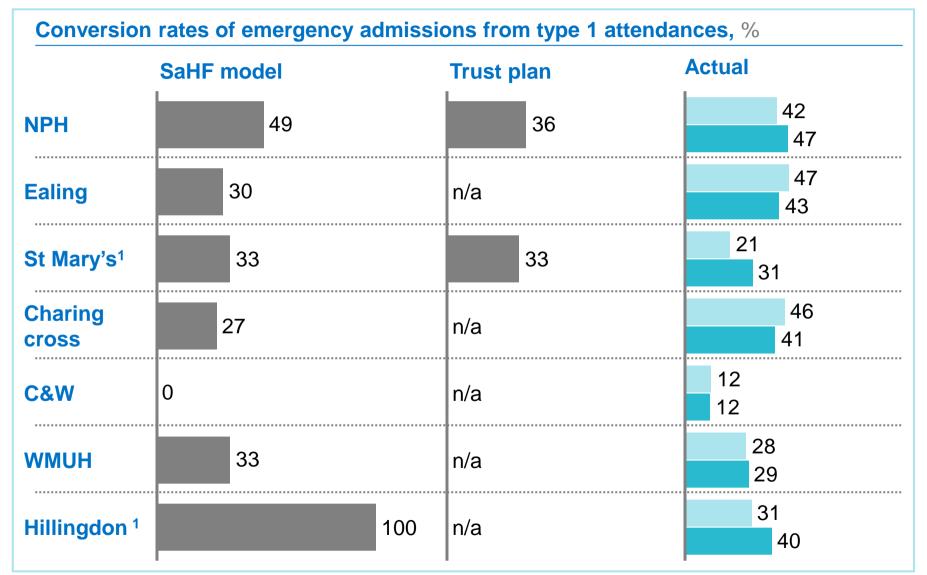












¹ Type 1 conversion rate may not give accurate picture of changes over last 1 year given the UCC changes at THH in 2013 SOURCE: SUS data, Trust data for NPH and St. Mary's www.england.nhs.uk

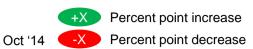
Ambulances arrivals into ED in NWL declined 11% versus October last year, while Category A arrivals increased by 3%

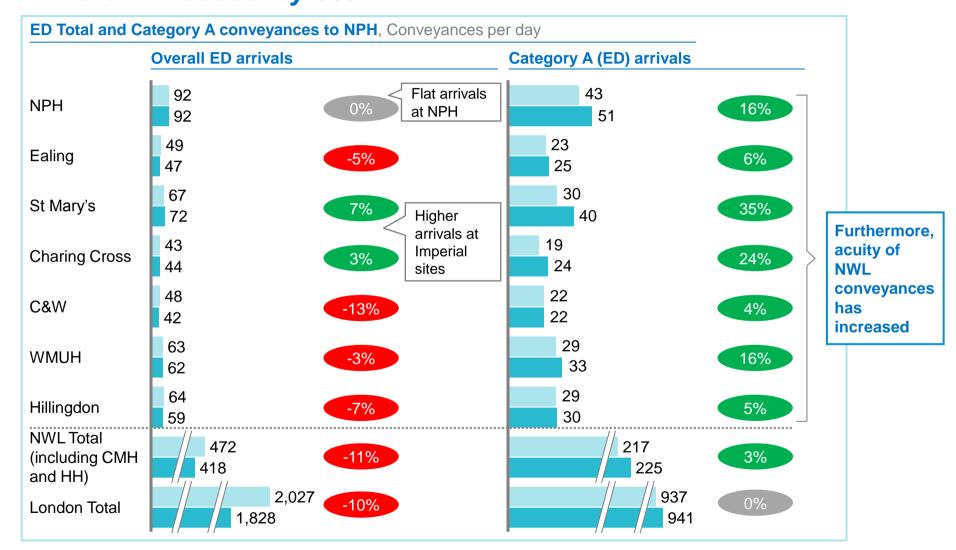






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SOURCE: LAS ED conveyance data

Category A conveyances as a percent of all ED conveyances has increased significantly





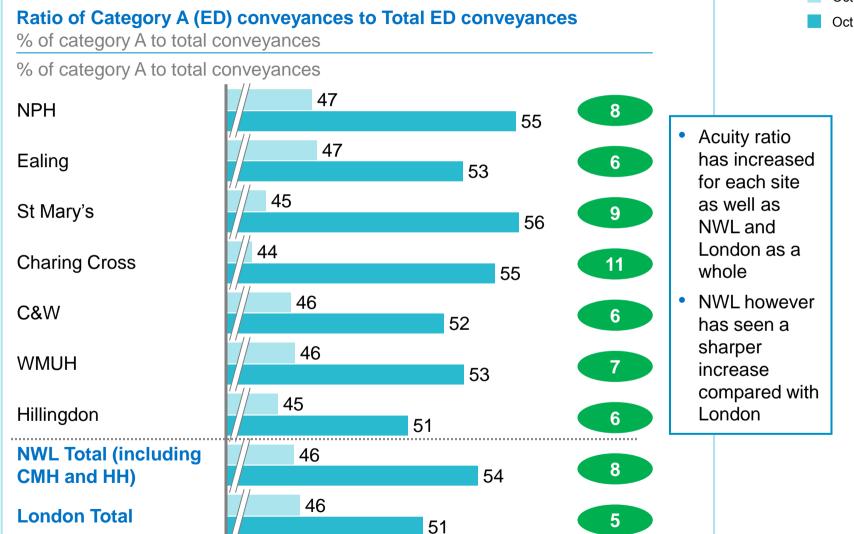




Percent point increase







Capacity for the system is up overall, with THH and NPH having the largest increase in capacity over the period





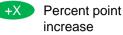


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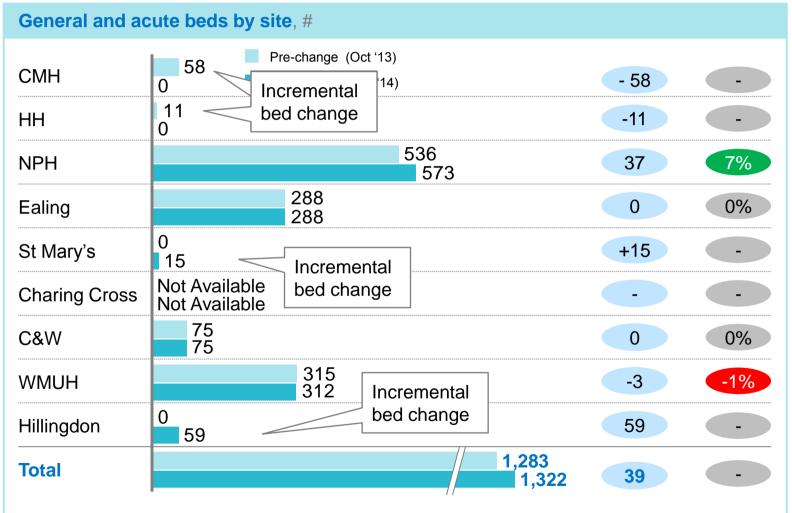


Absolute diff (2014-2013)





Percent point decrease



Note: Does not include changes in type of beds. CX bed information not provided by the trust, although no bed increase was planned

SOURCE: Trust

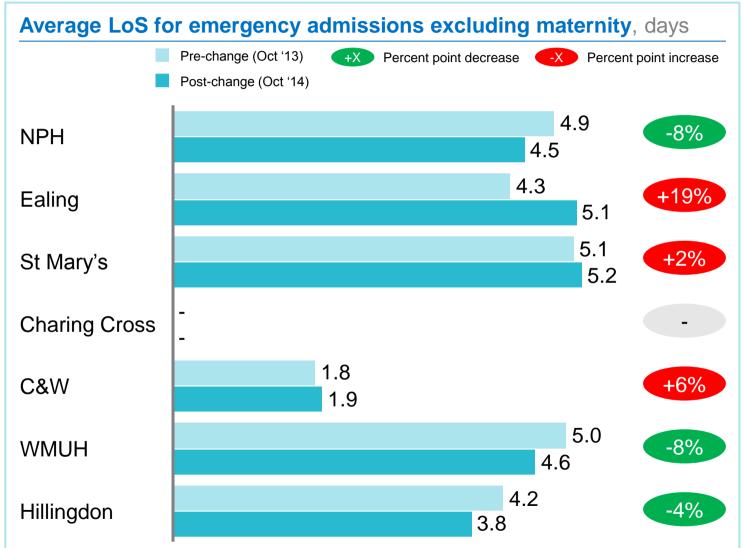
ALOS has reduced in 4 of 7 sites in NWL, with











Note: SMH and CX ALOS information not provided by the trust

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Lessons learned

Overall Analysis for NPH







Modelling

- 1. Process involved three models: SAHF end-state model (not used to model transition); SAHF transition model (modelled attendances and admissions); NPH site specific Trust model (modelled attendances, admissions and capacity)
- 2. SAHF modelling assumed 18 per day CMH/HH admissions would be redirected to NPH
- 3. The NPH capacity model assumed that 12 additional admissions¹ would occur per day as a result of an improved conversion rate of expected attendances compared to that at CMH. The assumption was based on a view that there would be better A&E staffing at NPHcompared CMH
- 4. The NPH model assumed a lower length of stay at NPH (3.5 days) vs. 7.1 days at CMH
- 5. The combination of lower admission rate and a lower ALOS at NPH reduced the net bed requirement of the system
- 6. The NPH model assumed 22 beds would be added to the NPH site and there would be 4 transfers per day from NPH to CMH
- 7. The capacity model implied a bed surplus after the transfers to CMH occurred

Reality

- 1. The NPH model had assumed admitting an additional 12 patients per day the observed incremental admissions were 16 The admissions over the period are therefore 4 greater per day than planned
- 2. The following appear to have impacted the higher than expected number of admissions
 - a) Local growth from Harrow and Brent CCGs
 - b) Higher conversion rates from type 1 attendances, potentially related to the higher acuity of LAS patients (Category A arrivals up 16% in Oct 14 versus Oct 13)
 - c) LAS conveyances were flat at NPH in Oct 14 vs Oct 13, but acuity (as measured by Cat A arrivals) increased by 16% points
 - d) An analysis of LAS conveyances suggests patient flows to NPH are in line with travel-time modelling
 - e) Mixed results from the ambulatory pathway as attendances increased by 8 per day versus 10 per day in plan, although unclear how many of these attendances are referred to from CMH
- 3. Average length of stay at NPH is longer than modelled (4.47 days vs 3.5 days), which implies a bed demand for incoming patients that is 31 beds higher than planned; The impact on beds of transfers out to CMH is estimated to be less than half of what was modelled (a decline of 20 vs 56)
- 4. The current estimated bed deficit is in the region of 20 to 40

Governance and assurance

- 1. The SAHF assumptions were shared with LNWH
- 2. LNWH board reviewed and approved the bed modelling
- 3. The LNWH capacity and transition plans were reviewed and agreed by the SAHF implementation board and the lead CCGS
- 4. NHS England and the TDA assured the LNWH plans
- 5. The various reviews do not appear to have sufficeintly focused on key assumptions in the modelling, explained the rationale for those assumptions, or challenged/validated them versus available evidence

1 All emergency excluding maternity

There are significant differences between the LNWH plan and the actual impact seen







Modelling for NPH site									
	SaHF Trus		Actual		Comments (actual versus model)				
Performance									
 4 hr performance 	N/A	$93.5\%^{2}$	87%	•	Performance has decreased significantly since the modelling was completed				
Demand (NPH)									
 Daily all type attendances 	N/A	+38	+80	•	Activity has increased substantially, although type 1 attendance is only up 8				
 Daily type 1 attendances 	+37	+23	+8		attendances				
 Daily A&E Admissions 	+18	+12	+16	•	Actual admissions are in line with the SAHF modelling at 16 per day but				
 Conversion rate (type 1)³ 	48.6%	36%	47%		higher than the Trust's plan				
 # daily attendances in ambulatory care 	N/A	+10	+8	•	Actual type 1 conversion rate is significantly higher than planned. It has increased from 42% in Oct '13				
 # ambulance conveyances into ED 	N/A	+14	+6						
 Transfers to CMH 	N/A	+3.5	+4.4						
Capacity									
 Non-elective beds 									
NPH	N/A	+22	+28	•	The Trust initially added 20 beds, followed by 8 beds in mid-November				
CMH	N/A	=62	=62						
 Occupancy % 	N/A	89.0%	99.0%	•	The Trust's occupancy has steadily increased to near 100% since the closur				
Throughput									
 NPH ALOS 	N/A	3.5	4.47	•	ALoS at NPH is ~1 days higher than the plan, about 0.5 days lower than				
• CMH ALOS¹	N/A	16	26		before the closure of A&E at CMH				
 Discharge to community beds 	N/A	Not ava		•	Oct'14 DTOC increased				
 DTOC - Hospital 	N/A	10	16.7						
 DTOC - Pathway 	N/A	20 N	Not available	4					

¹ For the Gladstone 1,2,3 ward

SOURCE: SaHF, Trust, Team analysis

² NPH performance assumption taken from trust model; trajectory agreed for overall trust was around ~94.1% for Oct (avg. of w/e 5th Oct to w/e 2nd Nov)

³ All type conversion rates are SaHF N/A, Trust: 31.5%, Actual 23%

⁴ Data not provided by the trust

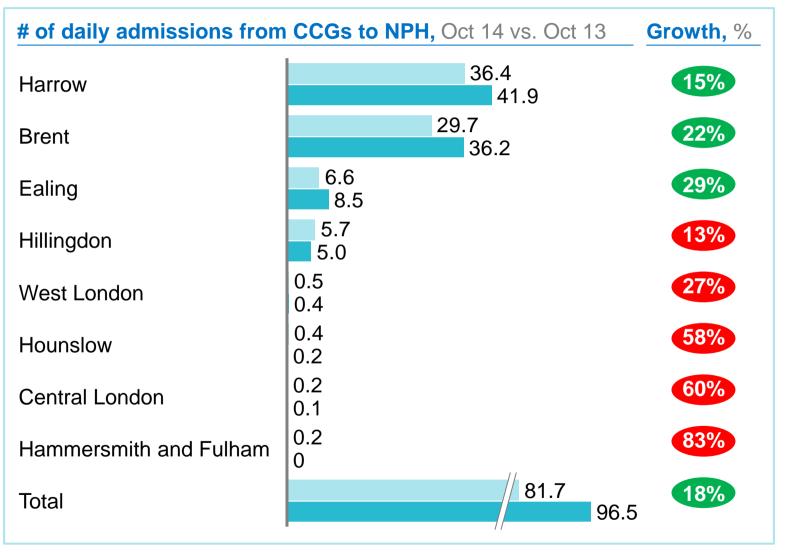
NPH saw significant growth in admissions from all of its top 3 CCGs - Harrow, Brent and Ealing











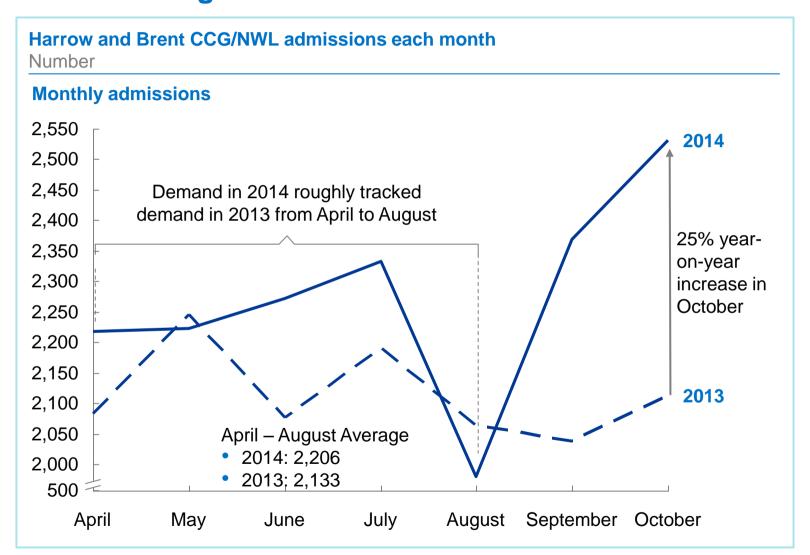
Note: Total includes admissions from other CCGs as per SUS data. SUS data indicates +15 admissions compared to Trust data of +16 admissions

In Harrow and Brent CCGs demand sharply increased after August









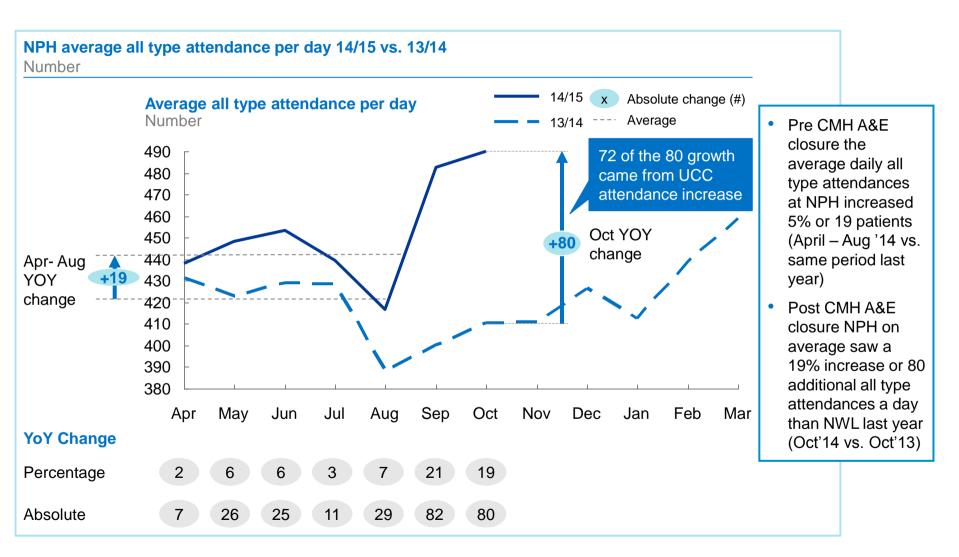
NPH saw a significant increase of 80 all type attendances per day in Oct '14 vs. Oct '13











NOTE: Analysis done by A&E team, CMH A&E closed on 10 Sept, 2014

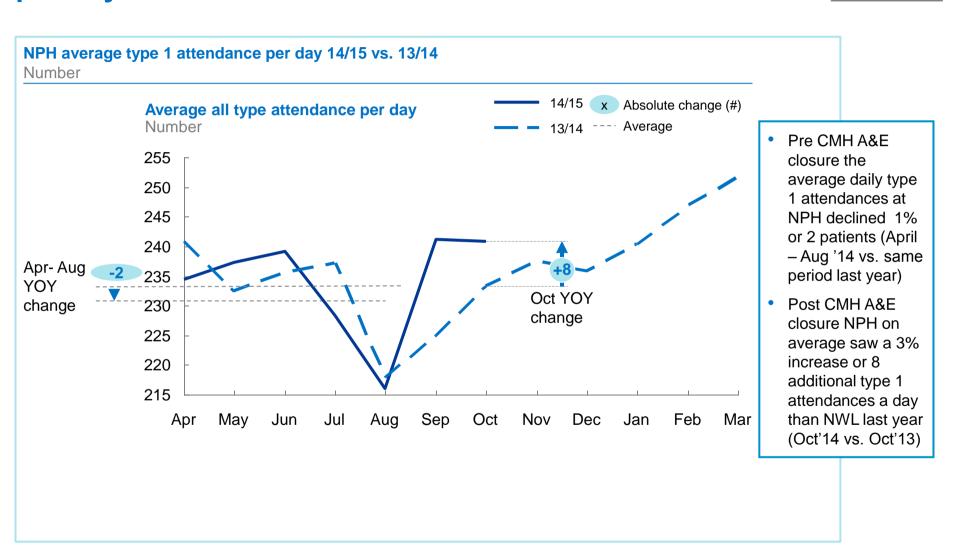
NPH saw an increase of 8 type 1 attendances per day in Oct'14 vs. Oct '13







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NOTE: Analysis done by A&E team, CMH A&E closed on 10 Sept, 2014

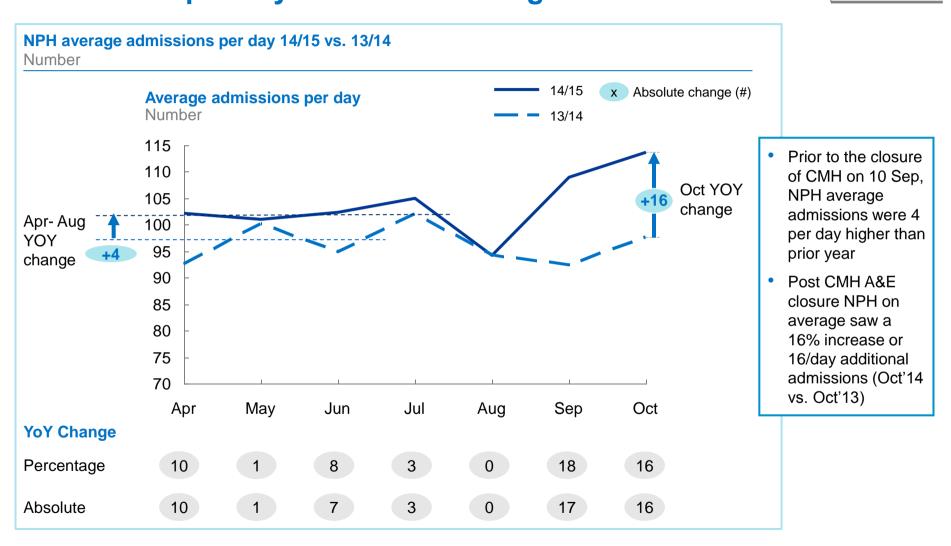
In Oct'14 NPH had a total of 16 additional admissions per day over Oct'13 using trust data







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NOTE: Analysis done by A&E team

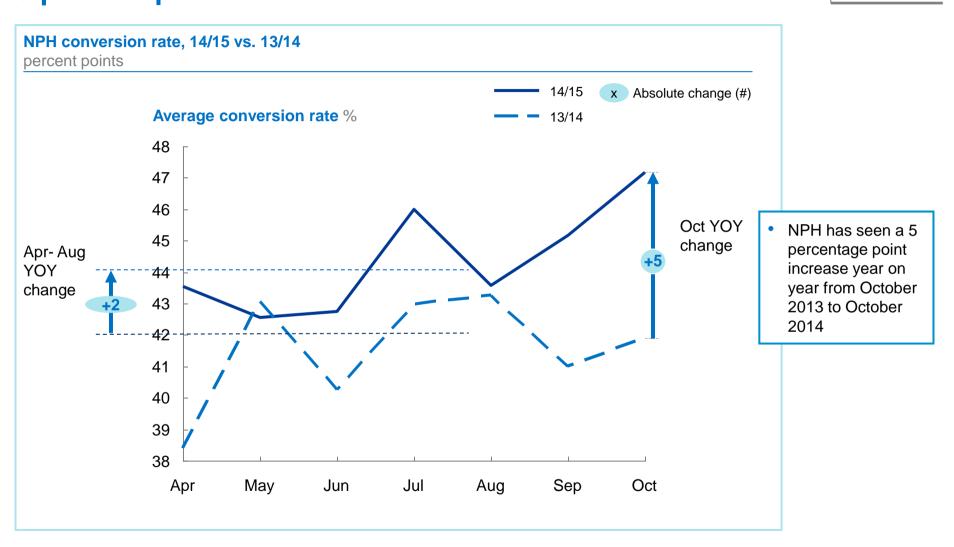
NPH conversion rate has increased in Oct '14 by 5 percent points vs. Oct '13







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NOTE: Analysis done by A&E team

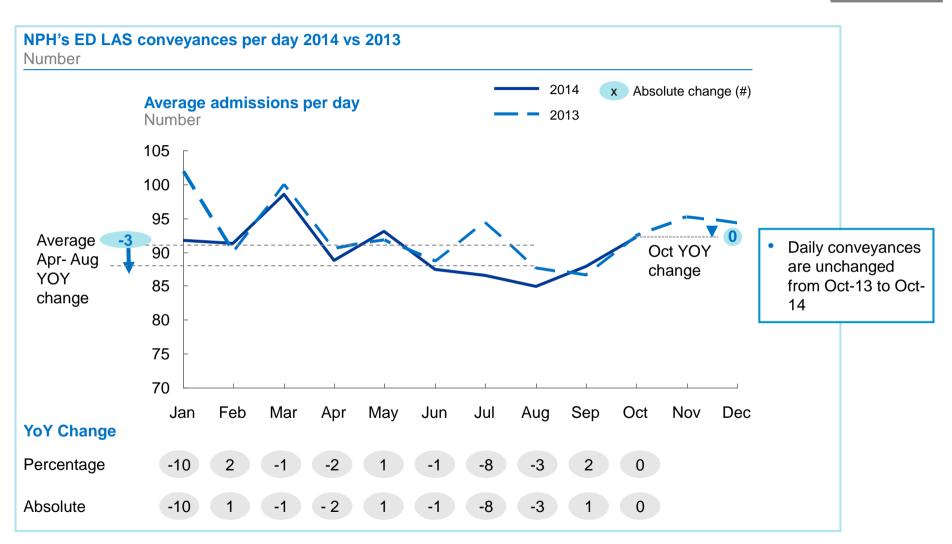
NPH's daily conveyances are flat year-on-year











NOTE: Analysis done by A&E team

SOURCE: LAS Data www.england.nhs.uk

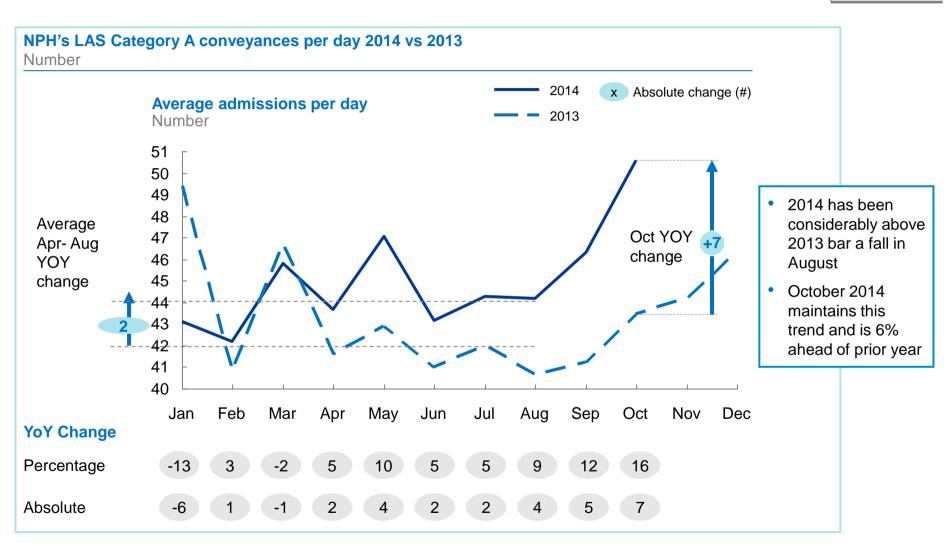
Category A conveyances to NPH show clear upward trend in 2014











NOTE: Analysis done by A&E team

SOURCE: LAS Data www.england.nhs.uk

+8 increase in ambulatory care attendance at NPH vs. plan of 10, although unclear if increase is due to inflow from CMH







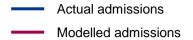
	Per day v	alue	Change in per day value Oct 13 vs Oct 14		
	Oct '13	Oct '14	Actual	Planned	
Type 1 Attendances	231	243	+8	+23 (on 231)	
Admissions	80-84	98	+16	+12 (on 80)	
Ambulatory care attendances	18	26	+8	+10	
Admissions through ambulatory care	7	12	+5	+4	

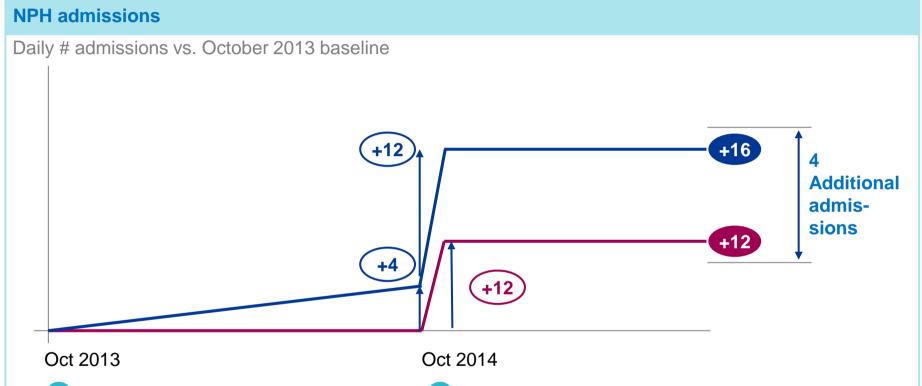
The original modelling assumed no growth in admissions prior to the closure, vs actual growth of 4-5% or 4 per day











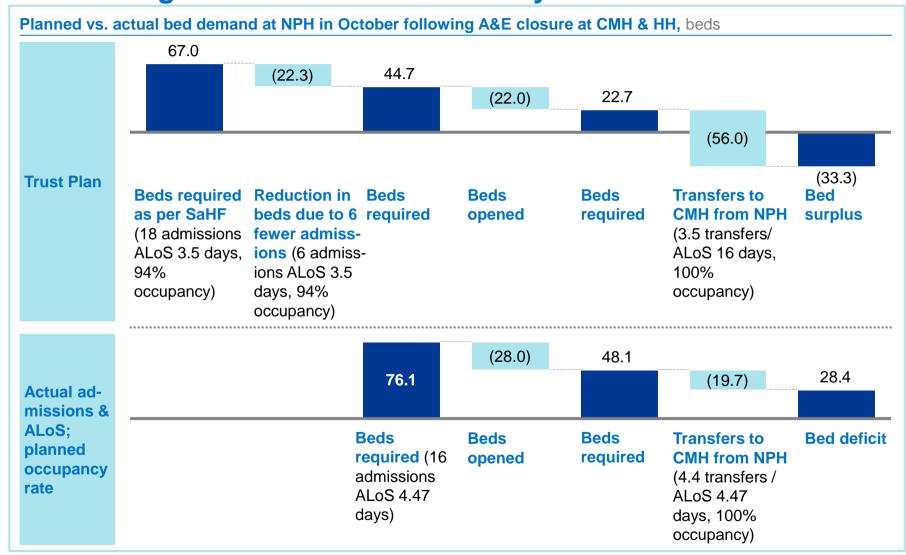
- A
- The model assumed no growth in admissions through 2014/15 compared to 2013/14,
- Actually there was a 4-5% underlying growth of 2014/15 compared to 2013/14
- B
- The model assumed 38 additional attendances, of which 12 would be admitted – i.e., 31.6% conversion rate
- Actually the site saw 80 additional attendances (all type), of which 16 were admitted with a 47% type 1 conversion rate

In October, there was an estimated bed deficit of 28 relating to non-elective ED activity









Note: Analysis done by A&E team

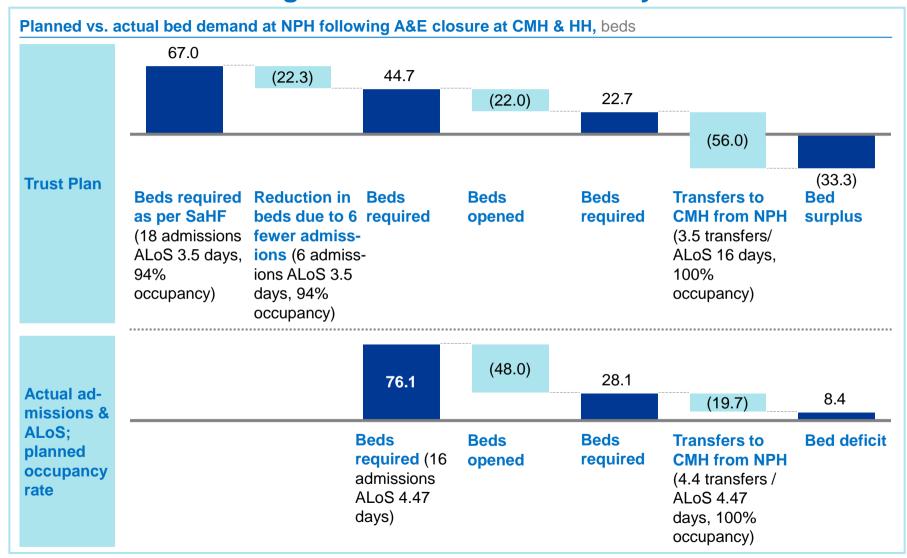
SOURCE: LNWH data www.england.nhs.uk

At the end of November, there was an estimated bed deficit of 8 relating to non-elective ED activity









Note: Analysis done by A&E team

SOURCE: LNWH data www.england.nhs.uk

NPH added 48 beds by Nov '14 vs. the 22 originally planned to handle additional admissions









There is material difference between the ALoS assumptions in the plan and the actual ALoS at the time of planning









- The Trust's capacity model used an internal Trust measure of ALOS (3.5 days) which is based on episodic data and not spell data
- The Trust has acknowledged that the appropriate ALOS to use, which is consistent with national guidance, was 5.0 days based on the Apr – May average

NOTE: Analysis done by A&E team

SOURCE: Information provided by LNWH

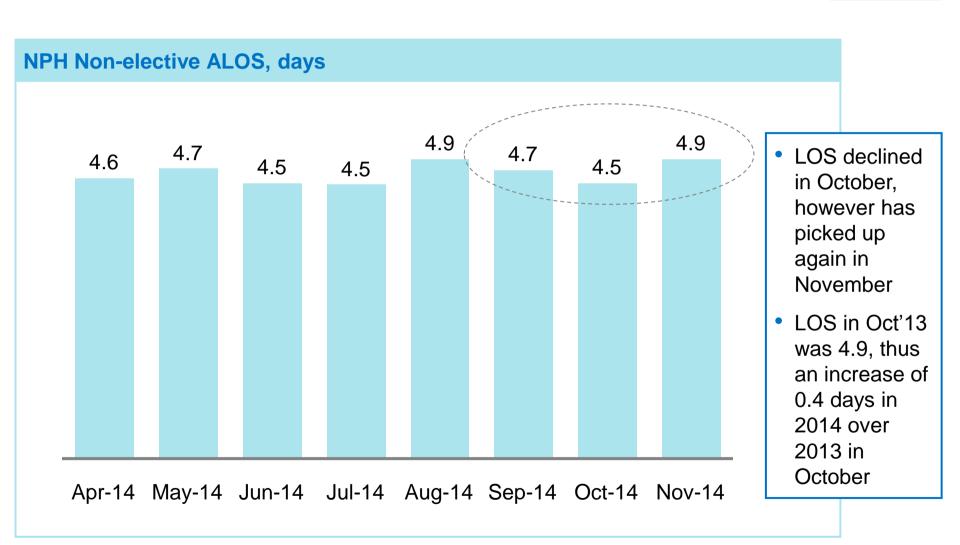
NPH ALOS has remained stable post the A&E changes







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Overall Analysis for Ealing







Modelling

- Process involved the two central models: SAHF end-state model and the SAHF transition model. Trust did not model any impact from A&E changes given expected impact on Ealing was only marginal
- 2. SAHF modelling assumed +3 per day CMH/HH admissions would be redirected to Ealing Reality
- 1. Ealing's A&E 4 hr performance has gone down significantly from 97% to 91% from Oct '13 to Oct'14
- 2. The underlying demand has declined
 - ED activity has gone down (both type 1 attendances and admissions) against the marginal increase in the SaHF plan
 - Ealing CCG has seen a 5% decline in admissions over last 1 year
- Ealing hospital appears to not have received displaced activity from the A&E changes at CMH and HH
- 4. However, performance has deteriorated: in addition to the -6% change in 4-hour performance, Ealing occupancy was around 106% in Oct '14; DTOCs increased to 15 per day from 3 per day and ALOS increased from 4.28 to 5.14 days

Governance and assurance

1. The SAHF assumptions were shared with Ealing. The trust did not have a specific plan in place to handle impact of changes at Ealing Hospital.

Ealing: ED activity has declined with decline in both type 1 attendance and admissions **Notations Definitions**







	0/ -	No Trust plan in place
	TBD	Not available yet
Assumptions and changes in activity, October 2014 vs. October 2013	N/A	Not applicable (no assumption taken)

Modelli	na			
		Actual	C	omments (actual versus model)
Performance Trust		Actual		Similarita (actual versus model)
N/A	N/A	91%	•	Performance has fallen from 97% in Oct'13 to 91% in Oct '14
N/A	+0	+14	•	ED activity has declined with -7 drop in Type 1 attendances and -6 drop in admissions
+10	+0	-7	•	Conversation rate has declined from 47% to 43% (Oct '13 to Oct '14)
+3	+0	-6	•	Trust did not expect significant impact of A&E changes and thus did not
30%	-	43%		model any increase in activity due to this
N/A	-	-		
N/A	+0	+0	•	No planned increase in capacity
N/A	-	-		
N/A	-	-		
N/A	-	106%	•	Current occupancy running higher than 100%
N/A	-	5.14	•	ALoS has increased from 4.28 to 5.14 (Oct '13 to Oct '14)
N/A	-	-		
N/A	+0	15	•	DTOCs have increased from 3 per day avg. to 15 per day (Oct '13 to Oct '14)
N/A	_	_		
_	N/A N/A +10 +3 30% N/A N/A N/A N/A N/A N/A N/A N/A N/A	SaHF Trust N/A N/A N/A +0 +10 +0 +3 +0 30% - N/A -	SaHF Trust Actual N/A N/A 91% N/A +0 +14 +10 +0 -7 +3 +0 -6 30% - 43% N/A - - N/A +0 15	SaHF Trust Actual Color N/A N/A 91% • N/A +0 +14 • +10 +0 -7 • +3 +0 -6 • 30% - 43% N/A - - N/A +0 15

SOURCE: SaHF, Trust, Team analysis

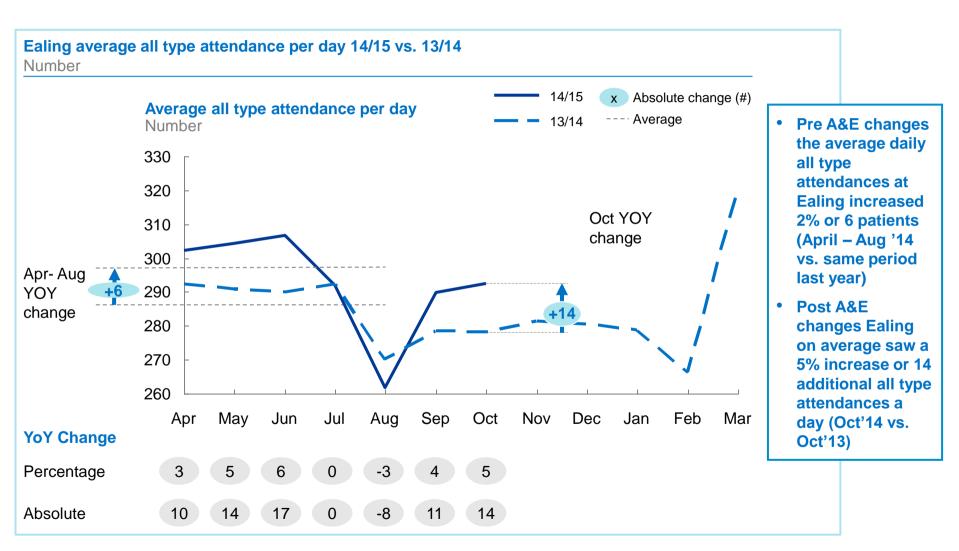
Ealing saw an increase of 14/day all type attendances per day in Oct '14 vs. Oct '13











NOTE: Analysis done by A&E team, CMH A&E closed on 10 Sept, 2014

SOURCE: Daily Trust Submissions (Unvalidated) from SaHF

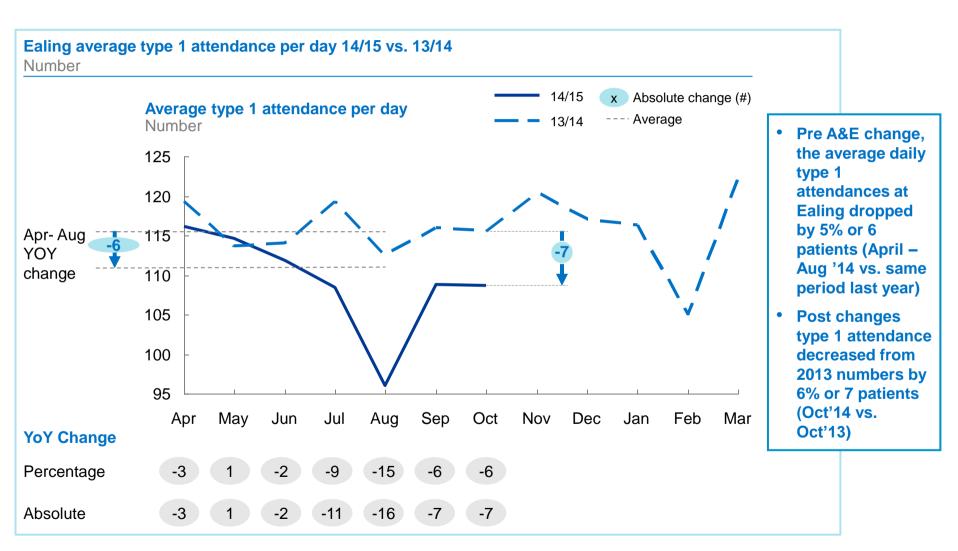
Ealing type 1 attendance declined by 7/day in Oct '14 vs. Oct '13







PRELIMINARY



NOTE: Analysis done by A&E team, CMH A&E closed on 10 Sept, 2014

SOURCE: Daily Trust Submissions (Unvalidated) from SaHF

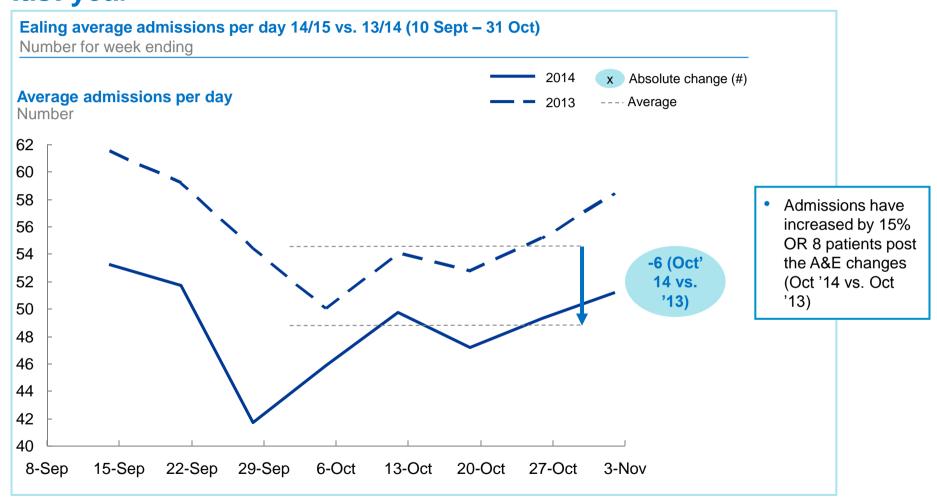
Ealing has seen a decline in admissions by 6 patients in the period of Oct '13 vs. same period last year







PRELIMINARY



NOTE: Analysis done by A&E team, CMH A&E closed on 10 Sept, 2014

SOURCE: Daily Trust Submissions (Unvalidated) from SaHF

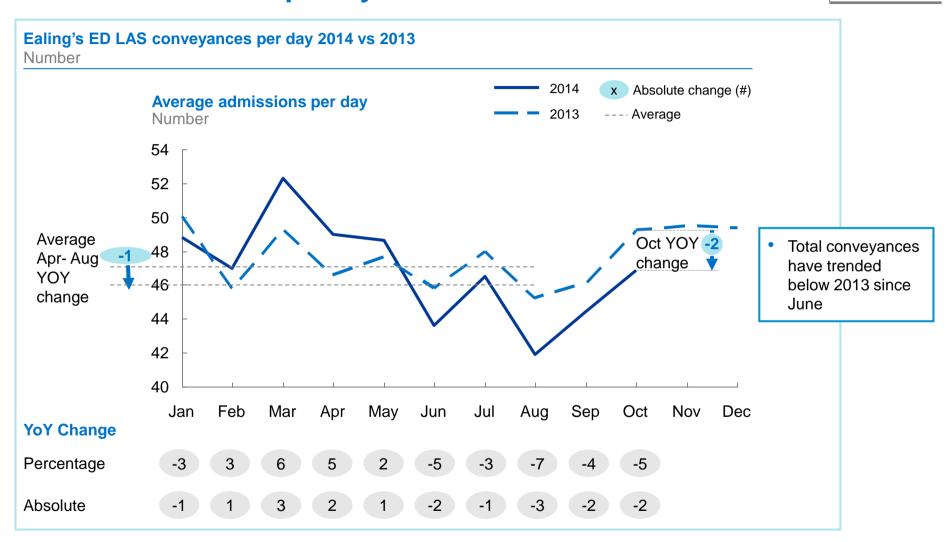
Ealing has seen a reduction in ED conveyances in October 2014 vs prior year







PRELIMINARY



NOTE: Analysis done by A&E team

SOURCE: LAS Data www.england.nhs.uk

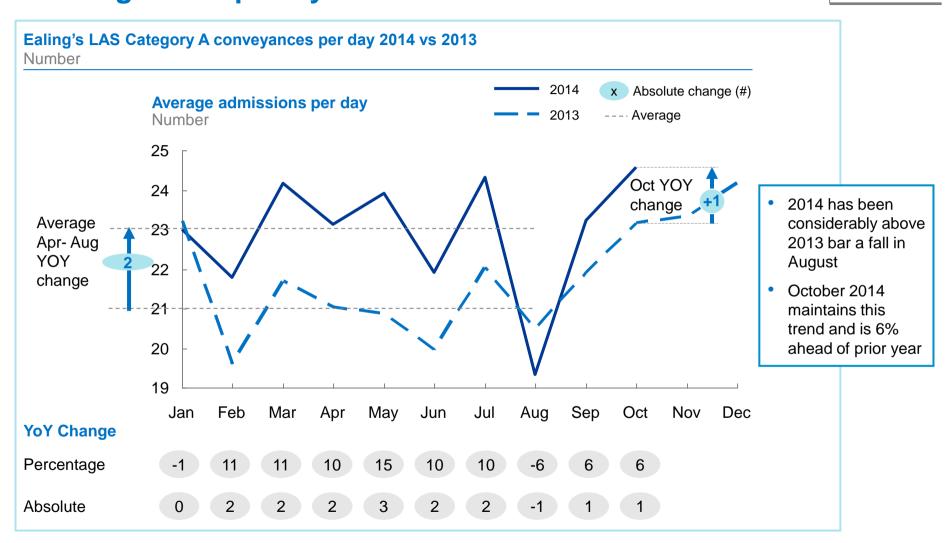
Category A conveyances in Ealing have been trending above prior year







PRELIMINARY



NOTE: Analysis done by A&E team

SOURCE: LAS Data www.england.nhs.uk

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Overall Analysis for St Mary's







Modelling

- 1. Process involved three models: The two SaHF models (end-state and transition) and the ICHT's site specific Trust model (modeled attendances, admissions and capacity)
- 2. SAHF modelling assumed 8 per day CMH/HH admissions would be redirected to SMH
- 3. The SMH capacity model assumed that 13 additional admissions per day would occur. The Trust planned to add 15 beds to manage the additional demand from HH/CMH. These were in addition to the planned 20 winter support beds.
- 4. The Trust assumed that additional admissions would have an ALOS of 1.1 days at St Mary's based existing LOS of Ward B1 at HH and assuming early transfers to HH and increased ambulatory care initiatives

Reality

- 1. SMH's A&E 4 hr performance has gone down significantly from 97% to 91% from Oct '13 to Oct'14 though has returned to 95% in March
 - Type 1 attendance declined by 20 per day against plan increases (SaHF +24 per day, Trust +40 per day although in part this is due to changes to the UCC which mean fewer attendances are classified as Type 1
 - Admissions have increased by 9 per day (Oct-Dec 13 vs Oct-Dec 14)
 - Acuity of patients coming in through ambulances has increased, with Category A arrivals seeing a 35% increase in Oct '14 vs. Oct '13
 - Distribution of LAS conveyances is in line with the SaHF time travel analysis
- 2. St Mary's added 15 beds offsetting 11 beds at HH that were converted to trolleys
- 3. Ambulatory care volumes increased at St Mary's (from 44 per week April-Sept to 84 per week in January and February) or by approximately 6 per day. Ward transfers from St Mary's to HH increased from approximately 3 per day (Jun/Jul/Aug) to approximately 6 per day (Oct-January). These changes appear to have offset the increased admissions at St Mary's
- 4. Non-elective ALOS at St Mary's increased from 4.8 days (May-Aug) to 5.2 days (Sep-Dec) unrelated to SAHF changes and due to repatriation delays, flow issues and some delayed discharge
- 5. The increase ALOS overall for non-electives raised the bed requirement at St Mary's which in turn led to flow problems within the hospital and increased A&E wait times. A further 12 beds opened subsequently in January.

Governance and assurance

- 1. The SMH capacity plan and assumptions were approved internally by the ICHT Executive Committee (19 May 2014) and shared with the Trust Board (28 May 2014)
- Capacity plan and assumptions were shared with the SaHF Programme Board, NHSE and the TDA (1 July 2014) and H&F CCG Governing Body (22 July 2014).

Non-elective admissions at St Mary's have increased in line with SaHF plan and are below Trust plan whilst acuity and LOS is higher than Trust plan





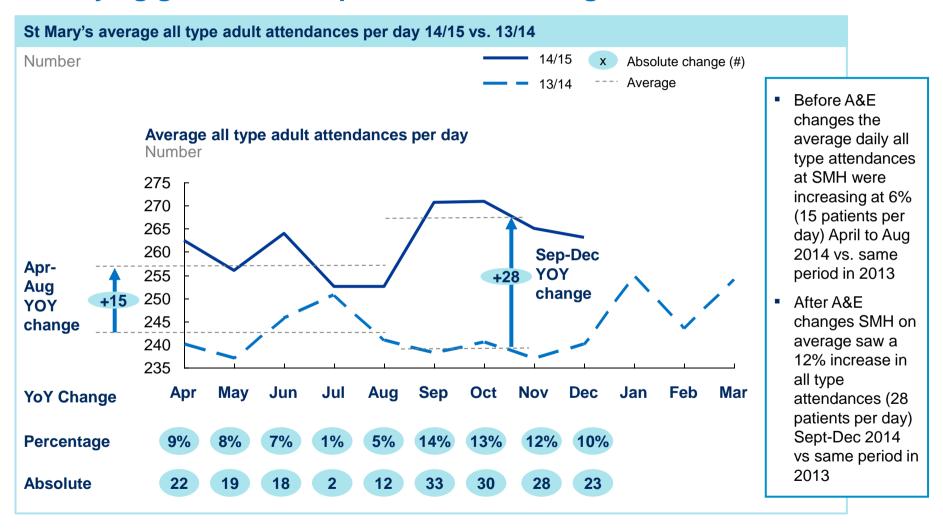


Assumptions and changes in activity, Oct-Dec 2014 vs. Oct-Dec 2013

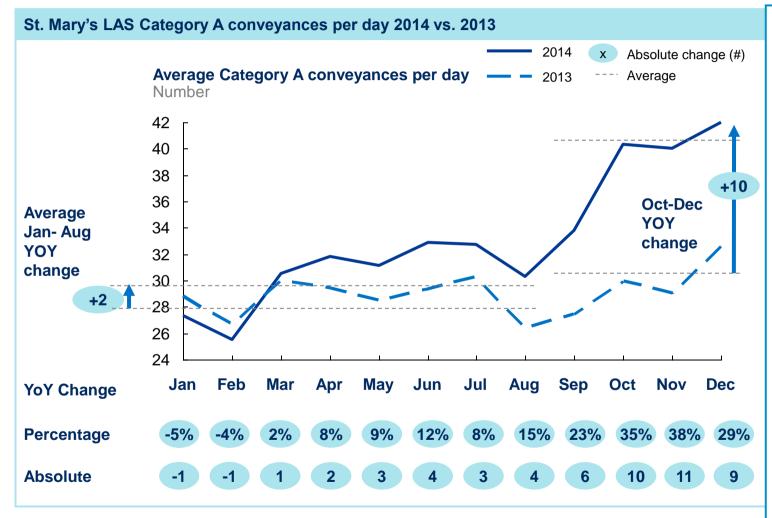
	Modelling				
	SaHF	Trust	Actual	comments (actual versus model)	
4 hr performance	N/A	95%	86.9%	Performance has fell n from 93.6% in Oct'13 to 86.9% in Oct	'14
Demand (St Marys)					,
 Daily all type attendances 	N/A	+60	+28	Type-1 attendance decline is misleading. All UCC patients ar coded as Type 3, and longer UCC opening hours funded by v	
 Daily type 1 attendances 	+24	+40	-20	monies means that more patients are now using UCC. This caused Type 1 coding to decrease despite overall rise in all-t	has
 Daily non-elective 	+8	+13	+8	attendances	, ,
Admissions				Daily non-elective admissions have increased by 8 vs. SaHF of increase of 8 and trust plan increase of 13	plan
Capacity					
 Non-elective overnight be 	ds				
St. Mary's	N/A	+15	+15	15 beds were opened up on SMH (Lewis Lloyd Ward) ¹	
– HH	N/A	-11	-11	11 bed B1 ward at HH was converted into a specialist medica	al
• ALOS				assessment unit with 11 patient trolleys	
St. Mary's	N/A	1.1	?	The Trust modelled based on an expected ALOS for addition admissions of 1.1 days (the HH ALOS). Actual ALOS for the incremental patients is unknown	

^{1 12} further beds subsequently opened on Samaritan Ward and 3 extra beds opened on Samuel Lane Ward SOURCE: SaHF, Trust, Team analysis www.england.nhs.uk

St Mary's has seen an increase of 28 per day of all type adult attendances to ED during Sept-Dec '14 which appears to be a combination of underlying growth and impact of sector changes



St Mary's 2014 category A conveyances were been higher compared to **3** those in 2013, especially during the last quarter of 2014, which saw an increase of 33% compared to last year



- Average for Jan-Aug in 2014 has only been marginally greater than that of 2014 (6% or 2 patients)
- However the daily average from October to December of Cat A convevances has been 33% (or 10 patients) higher than for the same period in 2013
- Despite increase in conveyances, since July there have been no 60 minute ambulance wait breaches at St Mary's

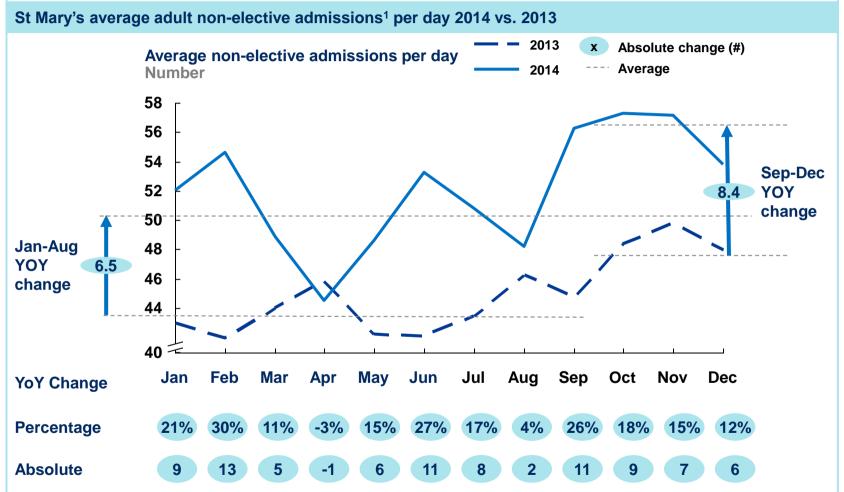
Admissions of adult non-elective patients at St





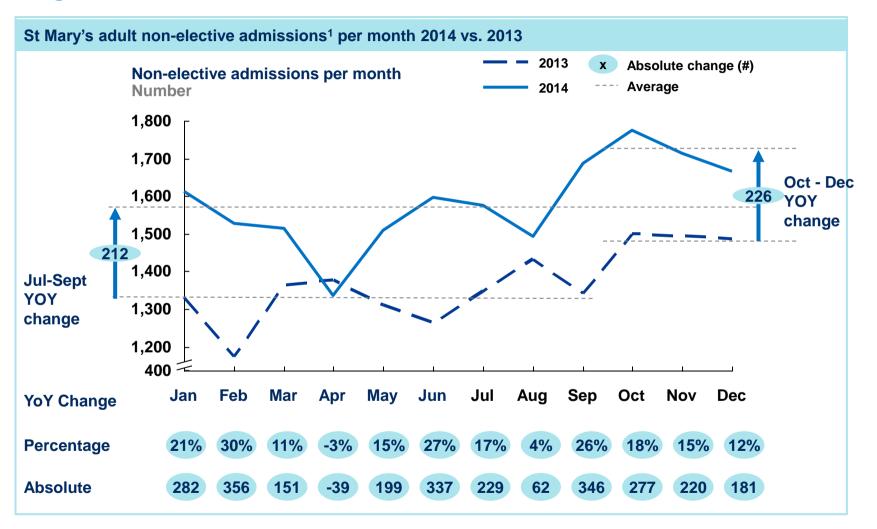






1 Includes admission of over 18 patients only and admission types 21 to 28, 2A, 2B, 2D, 81 i.e. non elective patients (excluding maternity and electives)

Total adult non-elective admissions were significantly higher throughout 2014, between 11% to 26% growth, except for April and August



¹ Includes admission of over 18 patients only and admission types 21 to 28, 2A, 2B, 2D, 81 i.e. non elective patients (excluding maternity and electives)

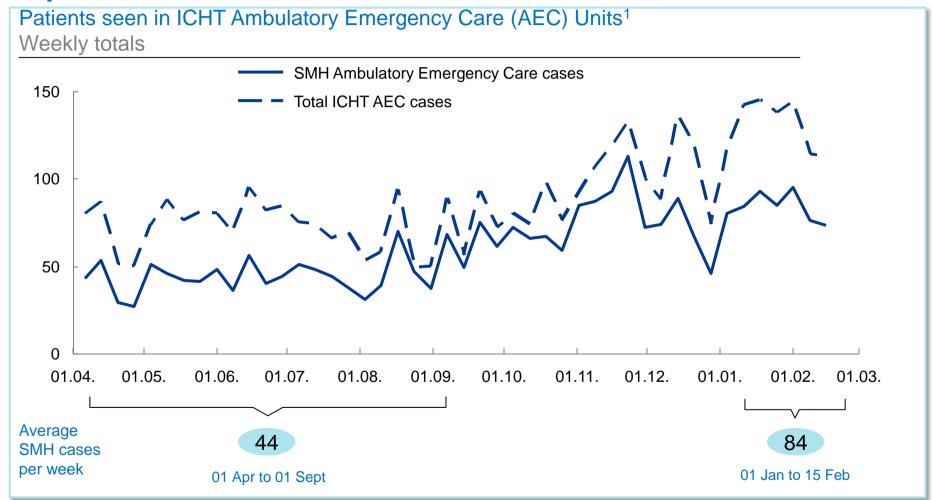
Ambulatory Emergency Care is growing across







ICHT with SMH volumes up 91%, or 6 cases per day, on pre-September levels



¹ Approx. 7% of all cases result in admisison

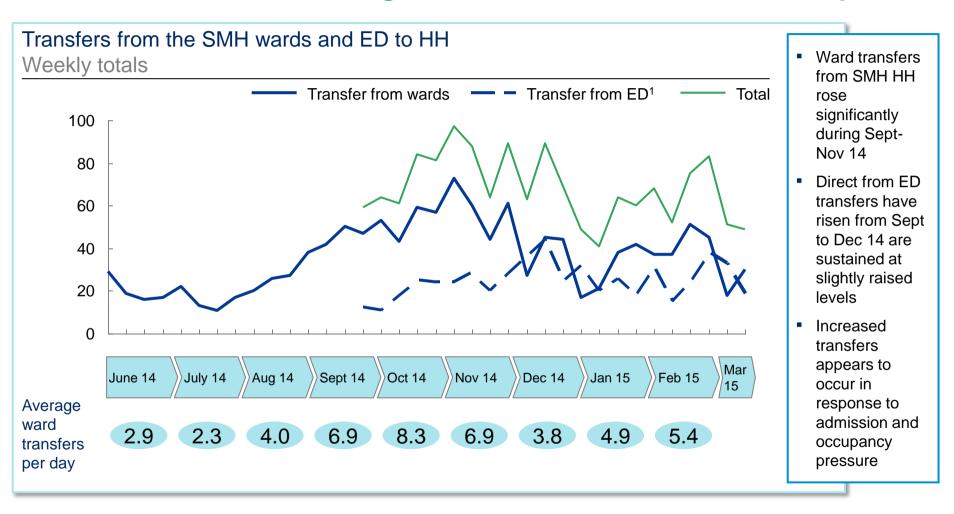
Transfers from SMH to HH have risen from





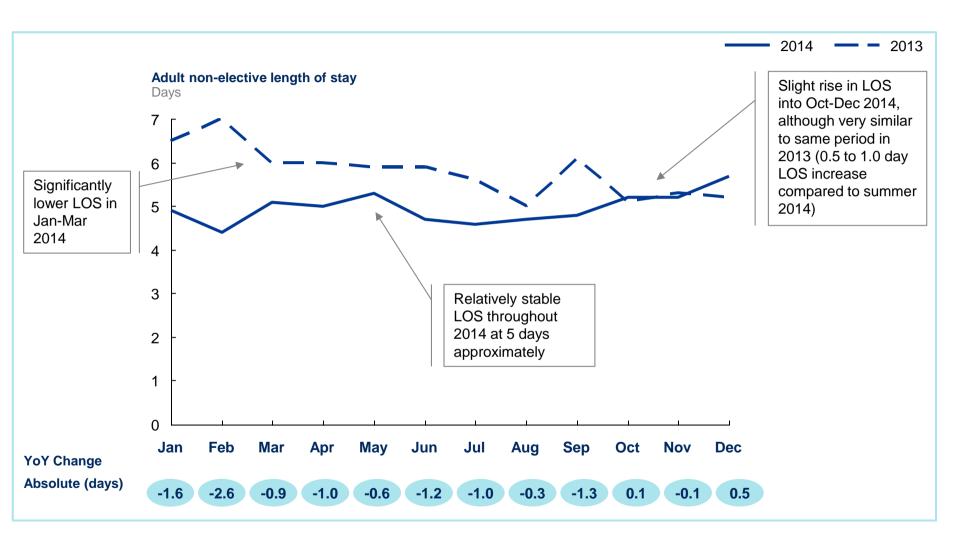


summer 2014 then fallen again since October to December peak



¹ Data not available before this point for direct from ED transfers

Adult non-elective average length of stay¹ for St.Mary's reduced throughout 2013 then stabilised during 2014 before a slight rise in winter¹



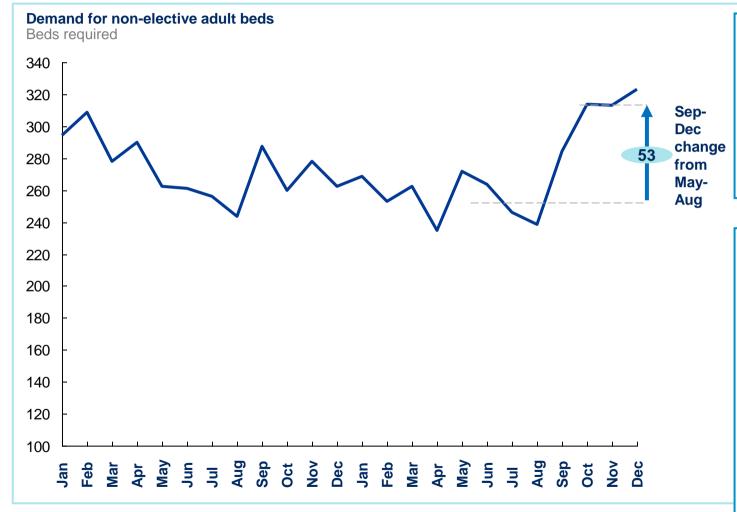
¹ Average length of stay for patients discharged from St.Mary's site who were originally admitted as an adult non-elective episode, excluding any discharges of patients who have stayed over 6 months

SOURCE: ICHT PAS patient spell data, McKinsey Team analysis

Combining total non-elective admissions and average LOS shows the significant rise in occupied bed days during Oct-Dec 2014



The increases in average non-elective LOS of 0.5-1.0 days and admission growth created an occupancy 'crunch' which was partially offset by planned transfers to HH and ambulatory care initiatives



- Compared to the May-Aug '14 average, the demand for non-elective adult beds increased by 53 in Sep-Dec '14
- 52% of the increase is because of extra admissions and 48% is because of longer LOS

Capacity impact:

- 15 new beds opened
- AMU LOS increased beyond 24 hours
- 8 MAU trolleys converted to beds
- 12 CDU beds with increased LOS
- 3 to 10 patients regularly in ED overnight
- 12 additional beds opened in January

¹ Available beds required calculated using 90% target bed occupancy

Staffing and capacity changes were implemented to support planned changes in patient flows from HH ED closure

Capacity changes Staffing changes ICHT Expected increase in admissions was 13 extra patients per 6 additional consultants added to ED day – in order to mitigate this 3 additional Core Medical Trainees added to the - 15 extra beds were opened on Lewis Lloyd ward for inpatient acute medical teams at SMH and CXH care in September 12 beds subsequently opened on Samaritan Ward on 5th January 6 additional Band 5 nurses added to ED St and 3 extra beds on Samuel Lane at the end of January establishment Mary's - Based on avg LOS of 1.1 on B1 in HH, this was thought to be 1 8A Senior Nurse for Elderly Medicine appointed to **Hospital** sufficient lead Lewis Llovd ward Flow changes were planned into Ambulatory Care and direct access to HH for certain specialties 2 additional clerical posts created to enable weekend Additional majors cubicles in ED¹ and evening working on the admission wards Single point of Access for GP referrals was based at HH, and GP 3 additional Band 5 nurses added to the ED referrals from local to HH were encouraged to refer here directly establishment at CXH: No closure of HH capacity to act as a buffer and enable local care How does reality compare to our assumptions? Admission growth year on year has been 8 to 9 pathway cases per day, in line with SaFH expected rise Relocation of ambulatory Care at CXH and creation of additional This, however, appears to reflect a continuation of trolley assessment space underlying growth and then an additional increase Developed Older Persons Rapid Assessment Clinic & Frailty Unit on following sector changes Rest of 4 South ward (CXH) There has been an increase in acuity and variability trust Installation of patient monitoring on C8 Ward at HH to enable of admission management of sick level 1 patients Whilst transfers to HH have increased significantly, there are longer than expected stays before Cosmetic improvements to B1 ward at HH to enable it to be opened transfer as the Specialist Medicine Assessment Centre with direct GP

access

Additional assessment space created in the Heart Attack Centre

5 extra beds at CXH in February (F bay in 5 wards)

A greater number of patients from NWL postcodes

have been admitted with greater acuity then B1

Charing Cross has been under greater pressure

than anticipated for admission

¹ Resuscitation cubicle being completed

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Overall Analysis for Hillingdon trust









Modelling

- 1. Process involved the two central models: SAHF end-state model and the SAHF transition model. Given the expected impact on Hillingdon was only marginal, trust did not separately model the impact from A&E changes.
- 2. SAHF modelling assumed +1 per day CMH/HH admissions would be redirected to THH

Reality

- 1. THH's A&E 4 hr performance has gone done from 96% to 92% from Oct '13 to Oct'14
- 2. The underlying demand has increased significantly driving higher admissions than planned
 - Type 1 attendances have grown by 19 per day vs. SaHF plan of +1 per day. Admissions have grown by 8 per day vs. SaHF plan of +1 per day
 - Hillingdon CCG (which had ~85% share is the admissions at THH) has seen a 7% growth in admissions
 - All type conversion rate and Category A ambulance arrivals seen to have remained stable. Blue light ambulance arrivals have increased by 30%
- 3. Ward capacity has increased over last year, although not linked to A&E changes
 - 59 beds were added during last 1 year. Occupancy has stayed around at ~91% level from Oct '13 to Oct '14
- 4. THH's ALOS reduced by 10% (from 4.2 days in Oct '13 to 3.8 days in Oct '14) and DTOCs reduced from 41 to 9 in the same period

Governance and assurance

- 1. The SAHF assumptions were shared with THH.
- 2. The trust put a transition plan was in place with increased staffing at the front end of A&E as part of the closure.

THH: Significant increase in attendance and admissions vs. minimal plan impact



Definitions

Notations





Assumptions and shapes	in antivi	4 0.4.	-b 204	4.	Cotobou 2012	an in place	
Assumptions and changes	7S. October 2013 TBD Not availab	le yet					
	Model	ling			N/A Not applica	able (no assumption taken)	
	SaHF	Trust	Actual	C	omments (actual versus model)		
Performance							
4 hr performance	N/A	N/A	91.6%	•	Performance has fallen from 95.9% in Oct'13 to	91.6% in Oct '14	
Demand (NPH)							
Daily all type attendances	N/A	+0	+48	•	ED activity has significantly increased with +19 in	ncrease in type 1	
Daily type 1 attendances	+1	+0	+19	 attendance vs. a SaHF plan of increase by 1 Admissions have also increased by 8 vs. SaHF plan of increase by 			
 Daily A&E Admissions 	+1	+0	+8		only 1	nan or increase by	
Conversion rate (type 1)	0%	-	40%	•	Conversation rate has remained at ~40% (Oct '1	4 vs. Oct '13)	
 Conversion rate into ambulatory care⁵ 	N/A	-	-	•	Trust did not expect significant impact of A&E ch model any increase in activity due to this	anges and thus did not	
Capacity							
Non-elective beds	N/A	-	+59	•	59 beds opened over last 1 year		
Occupancy %	N/A	-	90.5%	•	Occupancy is at almost similar level compared to 89.7%)	Oct '13 (was at	
Throughput							
Hillingdon ALOS	N/A	-	3.8	•	10% reduction in ALOS from 4.2 days in Oct '13	to 3.8 days in Oct '14	
DTOC - Hospital	N/A	+0	9	•	DTOCs have significantly reduced from 41 (hosp	,	
DTOC - Pathway	N/A	+0	11		(pathway DTOC) to 9 and 11 respectively (Oct '1	3 to Oct '14)	

SOURCE: SaHF, Trust, Team analysis

THH saw significant growth in admissions from its top 2 CCGs – Hillingdon and Ealing



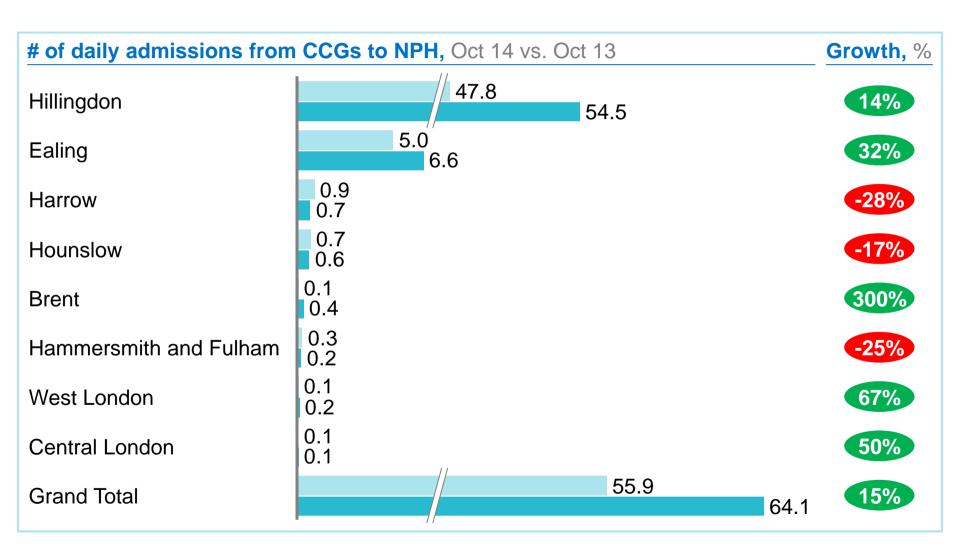








Oct '14



Note: Total includes admissions from other CCGs as per SUS data

SOURCE: SUS data www.england.nhs.uk

THH saw an increase of 48/day all type

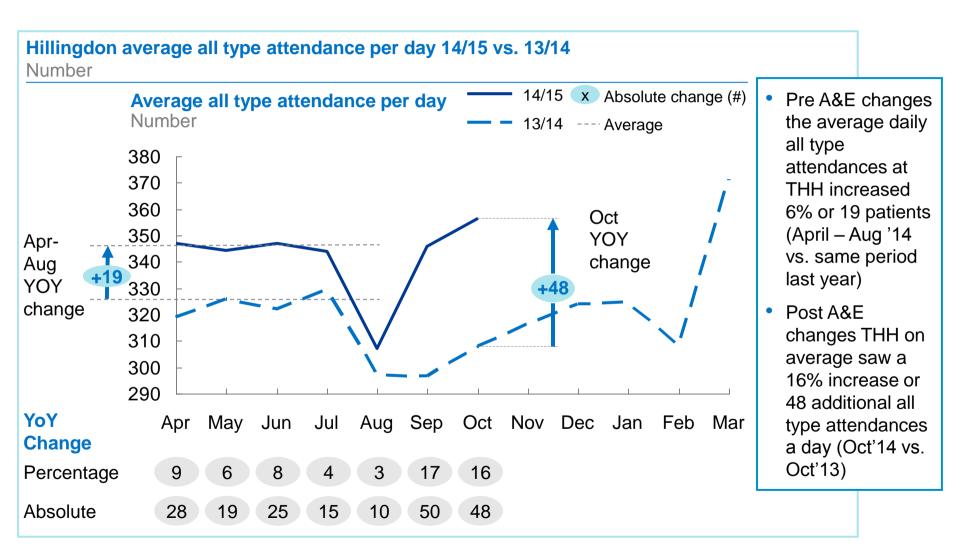






PRFI IMINARY





NOTE: Analysis done by A&E team, CMH A&E closed on 10 Sept, 2014

SOURCE: Daily Trust Submissions (Unvalidated) from SaHF

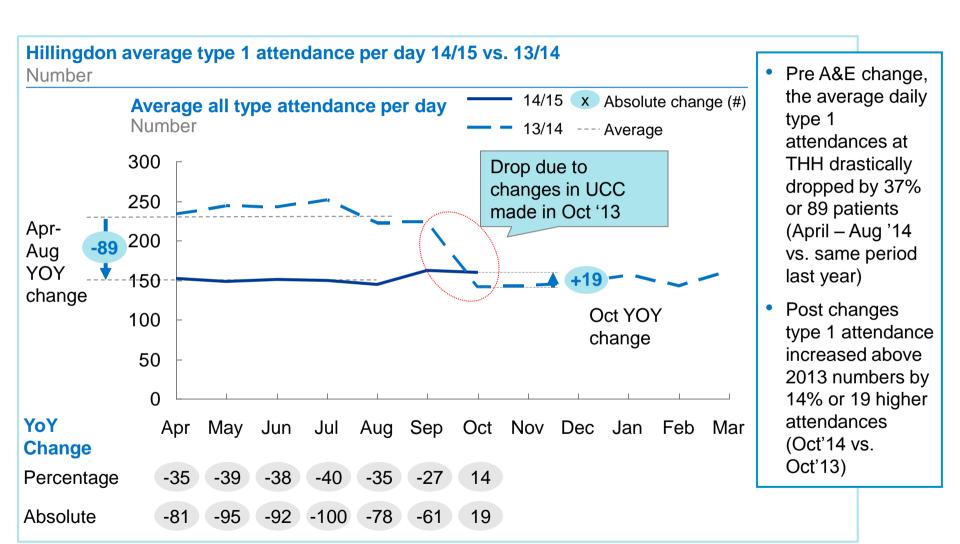
THH type 1 attendance increased by 19/day in Oct '14 vs. Oct '13







PRELIMINARY



NOTE: Analysis done by A&E team, CMH A&E closed on 10 Sept, 2014

SOURCE: Daily Trust Submissions (Unvalidated) from SaHF

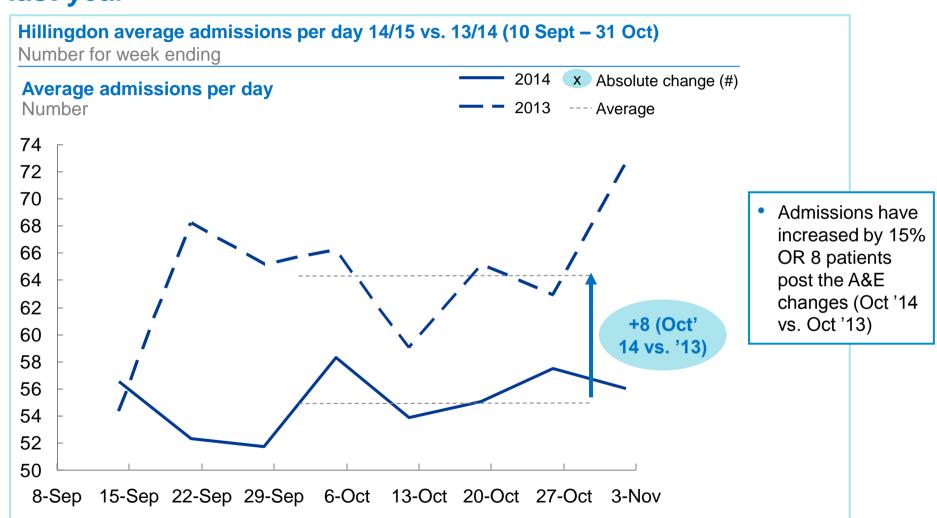
THH has seen increase in admissions by 8 patients in the period of Oct '13 vs. same period last year







PRELIMINARY



NOTE: Analysis done by A&E team, CMH A&E closed on 10 Sept, 2014

SOURCE: Daily Trust Submissions (Unvalidated) from SaHF

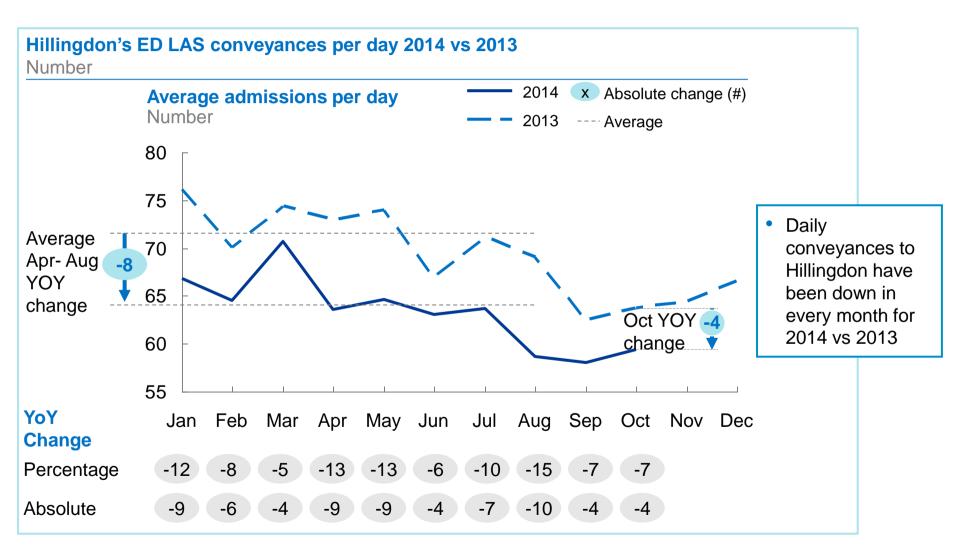
Daily ED conveyances to THH has decreased by 4 arrivals in 2014 vs. 2013







PRELIMINARY



NOTE: Analysis done by A&E team

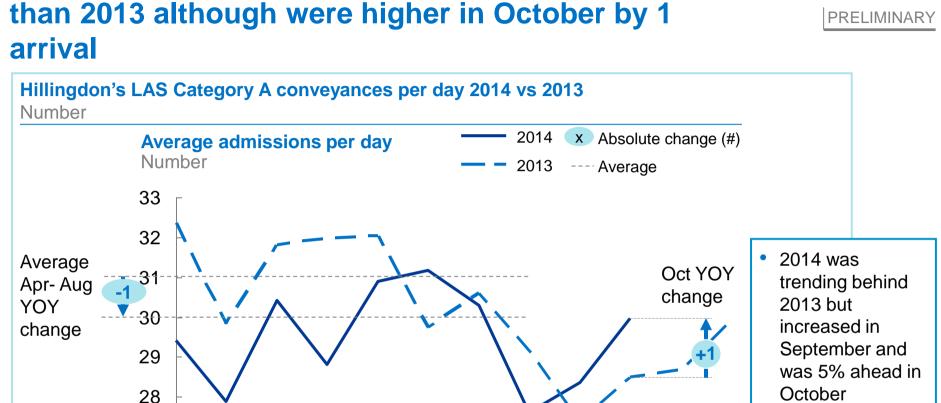
SOURCE: LAS Data www.england.nhs.uk

THH Cat A conveyances have been less in 2014









Percentage

YoY

Change

Absolute

-9

-3

Jan

27

-6

Feb

-10

Apr

-3

Mar

-4

May

Jun

5

0

Jul

-5

-2

Aug

4

Sep

5

Oct Nov Dec

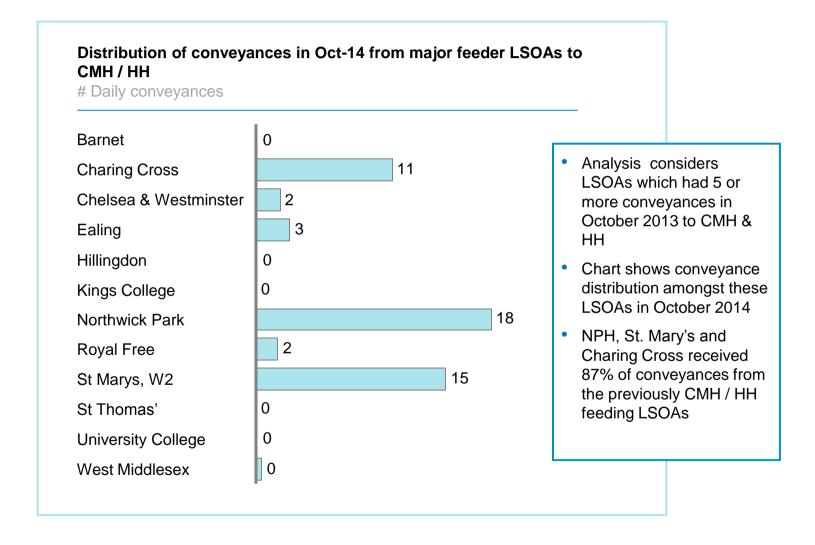
NOTE: Analysis done by A&E team

SOURCE: LAS Data www.england.nhs.uk

THH did not materially receive conveyances from LSOAs that previously went to CMH / HH







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Planning and execution overview







- Planning and execution of the A&E changes involved programmes of work by NPH and by the system-wide Operations Executive
- NPH plans covered a wide range of areas, including operations, clinical quality, communications and engagement, travel, equalities, EPRR planning, system assurance and risk of non-closure, and began 9 months before the A&E changes in January 2014
 - SaHF modeled additional attendance and admissions flow into NPH due to A&E changes.
 NPH then modeled its capacity based on information from SaHF and assumptions on LOS and its capacity plan
 - NPH capacity and staffing plan was largely delivered. Additional beds were opened in time and daily patient transfer to CMH is being achieved.
 - However, the plan had underestimated bed requirement leading to a deficit
- The operations executive was established to ensure a safe transition. It had oversight of the 'A&E closure project delivery boards' at each site
 - The operations executive oversaw the "surge" process and escalations
 - It was able to propose actions, but had no authority to implement actions.

Operations executive was able to propose actions, but had no authority to implement actions

Trust
Development
Authority
Quality, Delivery, Sustainability



Actions proposed during the transition

Actions proposed

- Activated a plan in place to provide additional capacity at St. Mary's, THH, and Ealing, however the capacity was not available because of the increased activity at those sites
- Re-directed ambulance conveyances away from NPH and SMH where possible

Impact and observations

- Approximately 1 week delay between the decision to re-route and the beginning of re-routing, potentially because it was unclear who between Trusts and LAS had authority to initiate the re-routing
- Intelligent conveyancing did not appear to reduce queues at the sites due to a time lag effect in getting instructions to ambulances

NPH plans covered all key areas, and began 9 months before the A&E changes in January 2014









Overview of the NPH plan

Trust planning process

- Planning process began in Jan'14 with PIDs approved by SaHF IPB
- The Trust worked with Commissioners to plan for 7 main areas:
 - Clinical quality
 - Operational and capacity
 - Staffing
 - Comms & engagement
 - Travel
 - Equalities
 - EPRR planning
- Trusts model the impact of the A&E closures on their sites from Jan – Jul '14
- On 1st Jul '14 trusts (along with SAHF) brief NHSE and TDA during the provider stock take session
- In May'14 Imperial and NWLHT Boards decide to plan to close A&Es on 10 September

Transition plan for managing trust operations¹



- To manage the additional admissions 34 beds required, planned addition of 22 beds by 31st Aug '14
- Remaining (12 bed) capacity to be released from the 'treat and transfer' model
- UCC at NPH has planned for the increase in activity

Staffing

To support activity transfer to NW Park A&E

- Additional nursing staff per shift in ED enabling rapid triage
- Additional ED medical shifts as a result of moving staff from CMH
- Enhanced skill mix in the Surgical assessment unit and the new Carroll ward
- Increased consultant physician and junior cover on the wards 7 days a week.

NPH plan was largely delivered, with beds opening as expected and staffing changes occurring







69

- ✓ Completed on time/ High effectiveness
- ✓ Partially completed/ Moderate effectiveness
- X Not completed on time/ Low effectiveness

Effectivene	ss of plan execution			
Category	Plan elements	On time execution?	Was it effective?	Comments
Bed capacity	 To manage the additional admissions 34 beds required, planned addition of 22 beds by 31st Aug '14 	\checkmark	×	 20 beds in place by 10 Sept. and 8 additional beds in place by Sept. end
	 Remaining (12 bed) capacity to be released from the 'treat and transfer' model 	\checkmark	\checkmark	 28 additional beds added by end of November
	 UCC at NPH has planned for the increase in activity 	\checkmark	√	 Plan considered effective by Trust
Staffing	 Additional nursing staff per shift in ED enabling rapid triage 	√	√	Staff successfully moved
	 Additional ED medical shifts as a result of moving staff from CMH 	\checkmark	√	across
	 Enhanced skill mix in the Surgical assessment unit and the new Carroll ward 	\checkmark	\checkmark	 Plan considered effective by Trust
	 Increased consultant physician and junior cover on the wards 7 days a week. 	W.	West of the second	 Partially complete, had to leave a cover for the ITU
Channel- ling of demand	Increase in ambulatory care attendances	√	√	 Planned for 10 more atten- dances and received 8 more
	Reduction in DTOCs	×	×	DTOCs increased from 10 to 1

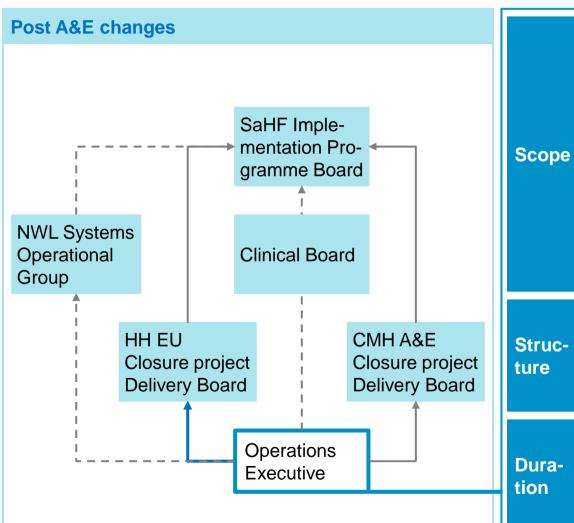
SOURCE: Presentation by NWLHT Director of Operations to Brent CCG, 23rd July '14. Interview with NPH head of performance.

The operations executive was established to ensure a safe transition and had oversight of the A&E closure project delivery board at each site









Monitor activity, performance and patient flows to ensure a safe transition of services in relation to closures

A&E, UCC, and LAS to be monitored as well as demand, capacity and performance metrics across sending and receiving sites in North West London as well as neighbouring sites

- Ensure the identification of emerging risks, managing safety and quality
- Ascertain whether the transitions are proceeding according to plan

Group is composed of senior representatives from SaHF and CCGs as well as operational, LAS, HH/CMH, BHH & CWHHE and other SaHF representatives

Duration

The Executive was expected to meet weekly until the end of September and the frequency of meeting anticipated to increase in the immediately following of closures

Operations executive was able to propose actions, but had no authority to implement actions

Trust
Development
Authority

Quality, Delivery, Sustainability,



Actions proposed during the transition

Actions proposed

- Activated a plan in place to provide additional capacity at St. Mary's, THH, and Ealing, however the capacity was not added because of the increased activity at those sites
- Re-directed ambulance conveyances away from NPH and SMH where possible

Impact and observations

- Approximately 1 week delay between the decision to re-route and the beginning of re-routing, potentially because it was unclear who between Trusts and LAS had authority to initiate the re-routing
- Intelligent conveyancing did not reduce queues at the sites due to a time lag effect in getting instructions to ambulances

Current escalation and mitigation plans, do not









seem to be effective in handling additional pressure from A&E changes

Initiative

Buffer in trust plan for **A&E** closures (19%)

Description

 Trust model factored in a 19% increase in admissions from CMH/HH changes in the worst case scenario which could be absorbed given patient transfers to CMH

Effectiveness

Buffer does not seem to have taken into account increases in underlying demand and was insufficient

- Surge plan: short-tern
- Surge plans are daily monitoring and implementation plans
- Highlights trigger points and escalation processes
- Escalates appropriately to relevant decisionmaking authority
- A&E 4-hr underperformance (Ealing, SMH, Hillingdon) led to consistent triggers, rendering the surge plan ineffective

- SRG plan: longer-term
- Funding approved in advance for initiatives to increase capacity and improve throughput
- Significant funds outlayed (£11.8m in tranche 2)
- 174 additional beds funded in 2014

Unclear



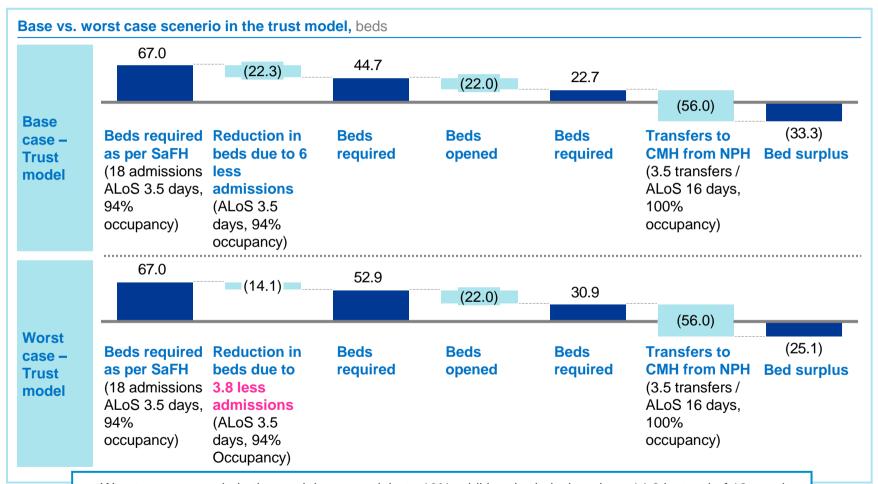
Trust model had factored in a 19% increase in admissions in the worst case scenario which would be absorbed given patient transfers to CMH







PRELIMINARY



- Worst case scenario in the model assumed that ~19% additional admissions i.e. ~14.2 instead of 12 per day
- The additional bed demand would be absorbed by the trust due to long stay patient transfers to CMH

2 Surge escalation process led to two main actions







Illustration of surge process

Level

Triggers



- A&E 95% all types not achieved
- A&E type 1 90% for 2 days or below 90% for 1 day
- 3-5 x 60min black breaches
- Infection control (2 wards infected)



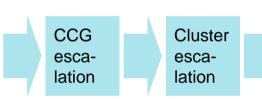
- A&E 95% all types not achieved;
- A&E type 1 below 90% for 2+ davs
- 5+ x 60min black breaches
- Infection control (2 wards infected)

Escalation Process

- **CSU Surge**
- Review and actions agreed
- and checklist
- Update virtual control room
- Cascade



- performance
- Check LAS IC
- Review plans



London escalation

- Surge plans
 - Were owned by the operations executive
 - segment severity according to colour-coded levels and have clear trigger points dictate severity level
 - Outlined an escalation process but not a set of specific actions based on those triggers
- The main actions that resulted from the surge escalation process were
 - Application of "intelligent conveyancing" protocol for the management of LAS conveyances away from NPH
 - An attempt to utilise identified potential capacity at St. Mary's, Ealing, and THH that was unsuccessful because beds were used up

SOURCE: NPH Surge plans



3 SRG plans provide for 174 beds in the next 4 months







75

NOT EXHAUSTIVE

						110 1 271	7,001172
Benefit	SRG	Trust	Initiative	Beds added	Cost	Start date	Status
	2	Brent & Harrow	Additional Step down beds (12 beds)	12 beds	£1.4m	1st December 2014	-
	2	Brent & Harrow	Additional specialist RRU neuro-rehab beds (increase capacity of 1)	1 bed	£1.5m	1st November 2014	-
	2	Brent & Harrow	Unfunded support for A&E	-	£4.2m	1st October 2014	-
	2	Hillingdon	Additional NEL bed capacity (60 beds)	60 beds	£750k	5 th January 2015	-
	2	Ealing	EHT ICO – Winter escalation ward (23 extra beds)	23 beds	£770k	1st November 2014	Completed
	2	Hounslow	Escalation bed capacity (increase from 34 to 60 acute patient beds)	26 beds	£582k	1st October 2014	-
0	2	Hounslow	Additional senior decision making to support medical take	-	£69k	1st October 2014	-
Capacity	1	Brent & Harrow	20 step down beds in ward	20 beds	£419k	-	-
	1	Brent & Harrow	3 neuro rehab beds	3 beds	£165k	-	-
	1	Brent & Harrow	29 non-acute beds	29 beds	£916k	-	-
	1	n/a	Nursing home beds to support outflow from NPH	-	£360k	-	Completed
	1	n/a	Social worker attached to STARRS to work directly in AE	-	£40k	-	-
	1	Brent & Harrow	Reablement beds in Harrow residential dementia care	-	£105k	-	-
	1	n/a	Additional capacity in Home Care market	-	£145k	-	-
				~174 beds			
	2	Brent & Harrow	Team review of AE pathway	-	£491k	1st November 2014	On track
	2	Brent & Harrow	Continuing care assessment	-	£60k	1st October 2014	-
	2	Brent & Harrow	Additional neuro-rehab beds	-	£1.2m	1st October 2014	-
	2	Hillingdon	Additional ED support	-	£174k	6th October 2014	-
	2	Ealing	EHT ICO – Patient flow co-ordinators	-	£107k	1st November 2014	-
Through-	2	Tri Borough	ICHT – front line A&E staffing	-	£438k	1st October 2014	-
put	2	Tri Borough	ICHT – extended level of consultant presence 7 days a week	-	£875k	1st October 2014	-
	2	Tri Borough	ICHT trauma lists	-	£130k	1st October 2014	-
	2	Tri Borough	Chel West – senior decision makers	-	£555k	1st October 2014	-
	1	n/a	Mental health transit lounge	-	£305k	-	-
	1	n/a	CAMHS Assessment service in A&E	-	£90k	-	-
	1	Brent & Harrow	Social care staffing review in Harrow	-	£40k	-	-

SOURCE: Trust SRG plans

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Assurance process was extensive but lacked scrutiny on critical assumptions







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Assurance process involved every major stakeholder, including NSHE, TDA, CCGs, SaHF, LAS, CMH Steering Group, CMH A&E Closure Board, Imperial Trust, HH Emergency Unit Project Delivery Board **Structure** There was a three tier structure with the top level being the dual-process leads (NHSE / TDA for one assurance process & Brent / Hammersmith & Fulham CCGs running the other), SaHF acted as intermediary gathering information with Trusts and other relevant parties providing evidence to SaHF NHSE / TDA & CCGs assessed information provided by SaHF and returned with ratings against specific criteria. This would lead to further information and evidence requests which SaHF would action down to the relevant bodies. This process was repeated until assurance was deemed sufficient Assurance processes closely followed a detailed set of checklists **Process** NHSE / TDA's checklist had 80 sub-criteria and the CCG checklist had 55 sub-criteria Readiness was evidenced through this criteria and oftentimes specified audit trail of supporting documents referenced Critical assumptions around demand and capacity were not subject to sufficeint scrutiny, with key assumptions on demand and capacity (beds), and throughput (ALoS): Only briefly mentioned in 4 key final assurance reports Mentioned briefly in 8 out of 31 governance documents regarding the A&E closures Complicated governance structure existed with a dual NHSE/TDA and CCG assurance processes being **Effectiveness** carried out

SOURCE: CCG documents, Trust Board documents, NHS E / TDA documents

expertise area)

separate processes

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Areas of enquiry were not prioritised or divided amongst stakeholders (i.e. according to a particular

High degree of overlap of content covered by each stakeholder with no observed benefit from two

SaHF played role of intermediary in assurance process







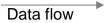
- SaHF played an important role in the assurance process by gathering information from relevant sources and presenting them upwards to the authorities running the dual assurance process (NHSE/TDA & CCGs – Brent, Hammersmith & Fulham)
- SaHF made recommendations regarding assurance and readiness based on information provided by Trusts and other parties. These recommendations and reports would in turn provide assurance to NHSE / TDA & CCGs
- SaHF acted as conduit in a structured manner, through two Boards, the Implementation Programme Board and Clinical Board
 - The Implementation Programme Board liaised with CEOs and met every 4-6 weeks, producing readiness reports to documents progress on and preparations for A&E closures
 - The Clinical Board was corresponded with clinical staff and had a key meeting in August to assess readiness for closures
 - Both Boards provided information and guidance to support NHSE / TDA & CCGs conduct assessment

A three tier structure of assurance process existed with information being fed up to lead assurance bodies (NHSE/ TSA and CCGs)



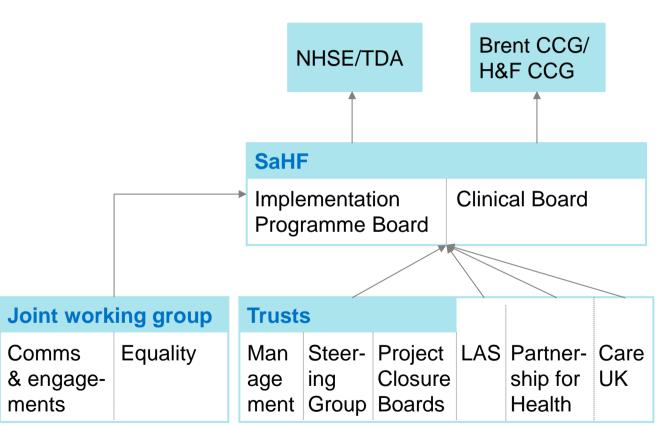








- SaHF
- NHSE
- TDA
- H&F CCG
- NWLHT
- Imperial Trust
- CMH
- CMH Steering Group
- CML A&E Closure Project Board
- HH Emerging Unit Project Delivery Board
- London Ambulance Service



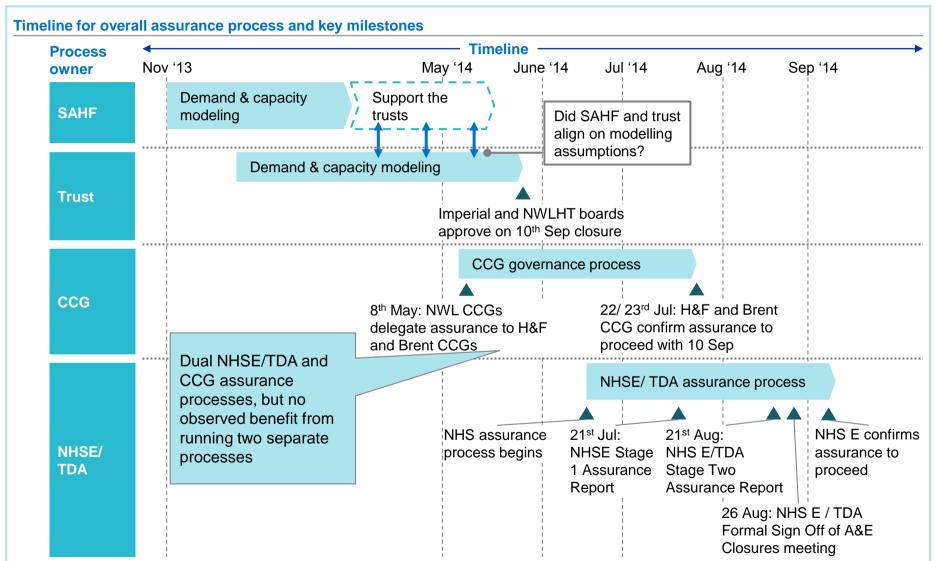
Dual NHSE/TDA and CCG assurance processes











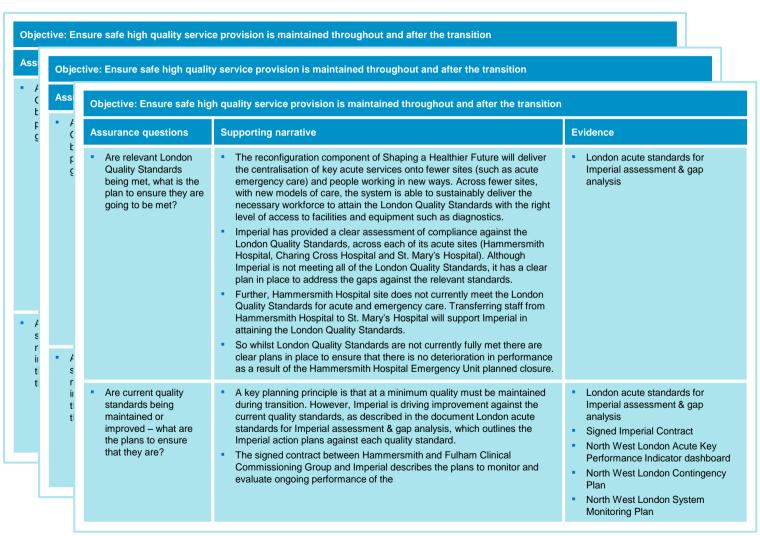
Assurance closely followed a detailed set of checklists to evidence readiness







Sample checklist document



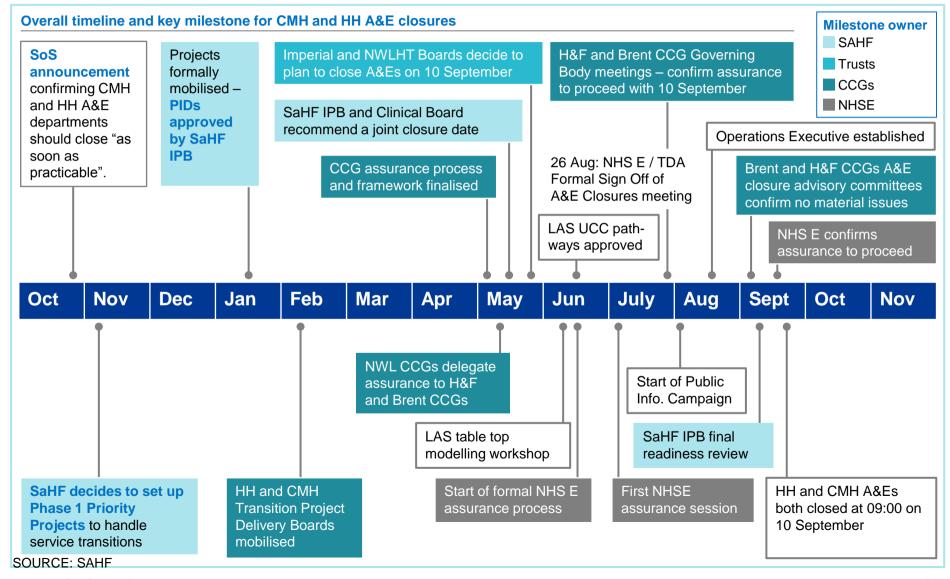
SOURCE: Source: Brent CCG assurance paper

The dual-process was very structured with documents regularly published, timely meetings held and no slippage of final closure date









Key assumption figures (beds required and average length of stay) not fully considered (1/2)







Trust Board documentation history related to the closures (April – July 2014), and tracking of beds / ALoS assumptions

Γrust	Date	Trust Board Paper	Co	ontent related to closure	Beds required / ALos				
	Jul-14	 Public_TB_Minutes_June_2014 	•	Discussion about extra capacity at NPH;					
		 Standards fro CMH ED Closure September 2014 	•	Outlines what standards will be put in place prior to CMH closure					
		Merger main CDD Rerport v5	•	Highlights closure as risk					
		Closure of CMH A&E - critical path update	•	Progress today and remaining to dos					
		Board report CMH closure	•	Short update					
		CMH AE Trust Board comms update july	•	Focus on communications regarding closure					
	Jun-14	Appendix 4 - CAPITA demand and capacity	•	Modelling methodology and performance metrics including LoS	6.0 LoS / 22 beds				
NWLHT		Closure of emergency services at CMH	Paper on closures; update on modelling and capacity and additional bed requirements	28					
		Public_TB_Minutes_May_2014	•	 Minutes of Trust board meeting; noted concern that NPH would struggle to cope with additional demand 					
		 Minutes of clinical performance & PEC, 11th April 2013 	•	Closure of CMH highlighted as concern which could see demand increase at NPH by 50%					
	May-14	Board update on CMH A&E	•	Update on workflows in advance of closure					
	Apr-14	Closure of emergency services at CMH - notes from 18th March meeting	•	Details of operations of closure					
		 Project Initiation Document - closure of CMH AE 	•	Outlines structure and plan of transition					
EHT	Jul-14	Merger main CDD Report v5	•	(same doc as for NWLHT) Highlights closure as risk					
	Jul-14	Minutes of May meeting	•	Risk mitigation and importance of communicating benefit					
lm-		Trust Board Public	•	On course for 10th September closure of Hammersmith; summary of readiness, infrastructure					
perial	May-14	Closure of the emergency unit at hammersmith hospital	•	Update on closure and additional requirements at St Marys and Charing Cross (not deemed significant)					
		Quality committee's chairman's report	•	Highlights the timetabled closures as an item for consideration					

SOURCE: Trust board documentation.

Key assumption figures (beds required and average length of stay) not fully considered (1/2)







Board documentation history related to the closures (April – July 2014), and tracking of beds / ALoS assumptions

Body	Date	Board	Paper	Co	ontent related to closure	Beds required / ALos
	13 th May	• Dev	reloping a view of activity redistribution	•	Modelling needed to be updated to reflect phased approach; LSA data shows CMH and HH have wide LSOA footprint	
	25 th Nov		and CMH A&E closure projects – cons learned workshop	•	Dips in performance following closure in NWL mirrored across London; details Assurance process	
SaHF	-		l and activity flow modelling CMH and closure impact on NPH	•	Outlines SaHF modelling using LSOAs to determine impact as well as Trust operational model	
	-		gramme plans for joint closure of A&E artments at CMH and HH	•	23 additional ED attendances at NPH expected – initial requirement of 34 beds; 22 will be put and place, the rest treat and transfer	34 beds required
	22 nd July	• Han	nmersmith & Fulham CCG Assurance er	•	CCG is assured that plan to close HH ED can take place safely	
000	23 rd July	Brei clos	nt CCG Assurance of the CMH A&E sure	•	LSOA footprint analysis used see where traffic will flow; local activity modelling used to support Trust activity planning	22 beds opening
CCG	23 rd July		nt CCG – Transfer of CMH non- ctive services	•	22 additional beds at NPH will be opened; NWL Trust have confirmed required capacity will be in place	22 beds opening
	25 th June	• St. I	Mary's capacity plan	•	Outlines extra beds that will be in place post HH closure (35)	
	21 st July	• NHS	SE / TDA; Stage 1 Assurance report	•	2 of sub criteria were red, 77 were amber and 10 were green	
	21 st Aug	• NHS	SE / TDA; Stage 2 Assurance report	•	Further assurance requested at meeting for final sign-off; 1 sub criteria was red, 29 were amber and 59 green	22 beds opening
Additional Documents	22 nd Aug	• NHS	SE review of HH ED closure	•	HH emergency unit is not an A&E, unable to fulfill staffing requirements	
	26 th Aug	• NHS	SE / TDA formal sign-off	•	Stage 2 Assurance presents 66% of risks as green, 33% as amber with one red risk	22 beds opening
	-	• Stre	ess test of NWLH bed model	•	3.49 days ALoS coming into NPH, 16 days ALOs going to CMH	3.49

SOURCE: Trust board documentation.

Key assumptions taken and risks identified during various stages of the NHSE assurance processes







			•						
	y steps of the surance process	Ke	ey dates	Ke	ey assumptions on capacity		ny risks identified on apacity	K	ey next steps
a)	Provider stock take session	•	1 st Jul '14: SAHF and trust brief NHSE and TDA	•	6 - 12 additional NEL admissions at NPH post closure Need for 34 beds to managed transferred activity. 22 will be added and the rest to be released through a treat and transfer model of care	Bed	Capacity demand assumptions remain hanged throughout the proces reffectively challenged during	s. V	
b)	Stage 1 report	•	21st Jul '14: Stage 1 report shared	•	22 bed increase proposed at NPH	•	Report highlighted capacity issue: "there is currently insufficient capacity to ensure that the 95% target is met on a consistent and sustainable basis (at NPH)"	•	SaHF asked to provide the revised trajectory and detail additional capacity needed for NPH
c)	System wide EPRRR planning exercise	•	22 nd July 2014; Key meeting	•		stag	performance highlighted as a e 1 report, and remained an o e till formal sign off. Was prop	pen	
d)	Site visits	•	5 th & 6 th Aug '14: Imperial and NWLHT Trust sites	•	N/A		acity found adequate to improv		
e)	Stage Two Assurance Report	•	21 nd Aug '14: Stage two report shared	•	Confirmation of availability of 22 beds in Carroll ward by 10 th Sep a NPH sought and received. Revise capacity assumed sufficient		A&E performance highlighted as a risk	•	Joint Action Plan on A&E performance to be submitted by CCGs
f)	Closure	•	26 th August 2014: NHSE / TDA Formal sign-off 4 th Sep: Final letter sent	•	Same as above	•	A&E performance highlighted as a risk	•	Post closure monitoring/ review

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Observation

Suggestion

Readiness vs adequacy of plans

- The assurance process focused more on understanding readiness to implement plans not detailed assessment of adequacy of those plans to mitigate the likely impact of the change
- Assurance processes should:
 - Identify the key assumptions on which the planning is based
 - Understand the rationale for those assumptions
 - Test those assumptions against available evidence
 - Rerun key analyses to test for calculation errors

Robustness of plans

- The planning and assurance process tested plan robustness against fluctuations in incremental demand from the A&E changes but not changes in underlying demand
- Planning and assurance processes should ensure sensitivities encompass the most significant potential variables

Governance of assurance

- Governance of the assurance process was complex with a dual NHSE/TDA and CCG assurance processes being carried out
- Move to a single integrated assurance process

Implementation oversight

- The operations executive had oversight of the 'A&E closure project delivery boards' overseeing the "surge" process and escalations. It was able to propose actions, but had no authority to implement actions.
- Ensure oversight boards have execution authority