



Northern, Eastern and Western Devon  
Clinical Commissioning Group

## Supply and demand model

November 2014

This supply and demand model has been developed to better understand the potential impact of Care UK ceasing to provide services from the Peninsula NHS Treatment Centre. This model has been developed jointly between NEW Devon CCG and Kernow CCG.

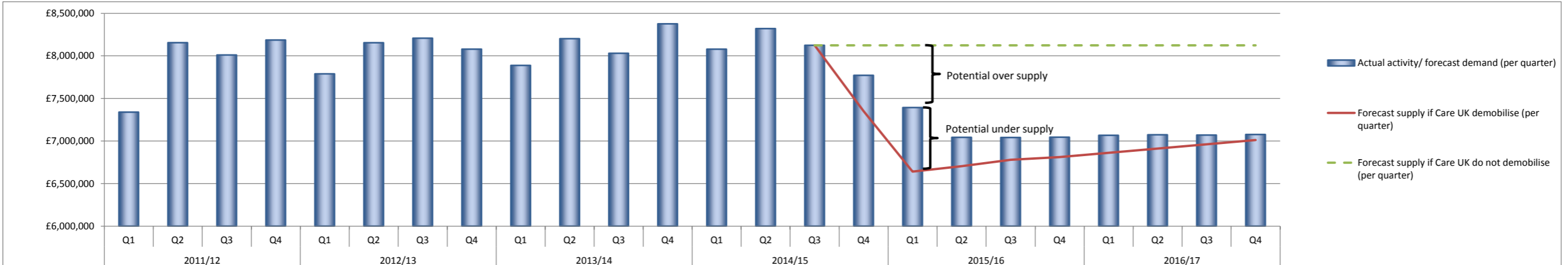
### Assumptions

- Baseline activity is based upon all activity that is linked to orthopaedic non-trauma (HB), ophthalmology (cataracts), mouth head neck & ears (CZ)
- Other significant activity undertaken by Care UK being included for the purpose of agreeing mitigation
- Baseline activity includes elective inpatient/ daycase, non-elective inpatients (Kernow only), 1st outpatients and follow-up outpatients
- Demographic growth has been included at an estimated 1.0% pa from 15/16 and is equivalent to the level expected based upon population projections even though orthopaedic demand has reduced
- Impact of Care UK contract ceasing has been based upon 13/14 level of activity as this is the last full year of activity (base year for all calculations)
- Initial demobilisation assumption that Care UK would deliver 50% of regular activity in Q4 2014/15 reducing to zero from Q1 2015/16
- Market shift to other providers limited to previous activity levels ie returning to 13/14 levels of orthopaedic activity in 15/16 and to 11/12 levels in 16/17. This is the resulting market shift that would happen without further action
- Patient choice to go to other providers in the health community will naturally change in response to changes in supply. Assumption 33% of patients in South Hams and West Devon will choose a provider outside of Plymouth ie SDHFT, RDE etc
- Model is based upon likely case scenario ie 100% delivery of existing QIPP schemes. A worst case scenario has been calculated based upon 50% delivery of existing QIPP schemes
- Model represents the potential gap between supply and demand if no further action is undertaken to close this gap (ie expansion of other providers/ further QIPP schemes). More work will be undertaken which is as yet unquantified and not included in this model. This includes expansion of Beacon pilot and redesigning models of follow-up care to focus on patient initiated follow-up etc.
- Model does not take into account of the short term mitigating actions which are in the process of being developed across the health community. This will address any potential under-supply during transition

**NEW Devon CCG (Western Locality) supply and demand model (base case)**  
(ophthalmology, orthopaedics non-trauma, and other activity undertaken by Care UK)

	2011/12				2012/13				2013/14				2014/15				2015/16				2016/17			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Baseline	£7,338,447	£8,154,351	£8,009,756	£8,185,770	£7,788,297	£8,153,809	£8,207,401	£8,078,435	£7,887,629	£8,201,495	£8,030,146	£8,375,810	£8,078,288	£8,319,978	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770
1st outpatient (T&O and ophthalmology)	£872,511	£876,361	£935,600	£943,338	£1,013,743	£980,732	£936,806	£831,253	£1,025,682	£924,895	£889,977	£927,745	£1,056,145	£956,960										
FU outpatient (T&O and ophthalmology)	£981,653	£1,066,184	£1,078,503	£1,243,924	£1,156,860	£1,210,395	£1,227,695	£1,160,340	£1,230,114	£1,215,767	£1,338,013	£1,303,544	£1,205,520	£1,160,296										
Inpatient (HB, CZ and other selected HRGs)	£2,937,084	£3,629,612	£3,418,757	£3,277,195	£3,170,884	£3,248,951	£3,337,302	£3,246,835	£2,845,124	£3,259,469	£2,832,288	£3,050,212	£2,892,241	£2,969,104										
Daycase (HB, CZ and other selected HRGs)	£2,547,200	£2,582,194	£2,576,895	£2,721,313	£2,446,809	£2,713,732	£2,705,598	£2,840,007	£2,786,710	£2,801,364	£2,969,868	£3,094,309	£2,924,381	£3,233,618										
Projected activity from 13/14 baseline															£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770
Expected QIPP impact	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
Scheme 1 - ophthalmology																								
Ophthalmology PHNT backlog clearance																								
Scheme 2 - Hip replacements																								
Scheme 3 - Knee replacements																								
Scheme 4 - Shoulder procedures																								
Scheme 5 - Arthroscopy																								
Scheme 6 - Carpal tunnel																								
Scheme 7 - Foot & ankle																								
Orthopaedics outpatients																								
Demographic growth at 1% pa																								
Actual activity/ forecast demand (per quarter)	£7,338,447	£8,154,351	£8,009,756	£8,185,770	£7,788,297	£8,153,809	£8,207,401	£8,078,435	£7,887,629	£8,201,495	£8,030,146	£8,375,810	£8,078,288	£8,319,978	£8,123,770	£7,770,795	£7,392,313	£7,042,476	£7,040,763	£7,044,219	£7,066,329	£7,072,607	£7,069,180	£7,076,093

	2011/12				2012/13				2013/14				2014/15				2015/16				2016/17			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Baseline	£7,338,447	£8,154,351	£8,009,756	£8,185,770	£7,788,297	£8,153,809	£8,207,401	£8,078,435	£7,887,629	£8,201,495	£8,030,146	£8,375,810	£8,078,288	£8,319,978	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770
Care UK contract	£1,396,881	£1,700,377	£1,641,670	£1,562,074	£1,426,237	£1,384,967	£1,662,926	£1,750,557	£1,436,761	£1,587,458	£1,603,282	£1,563,235	£1,915,953	£2,019,384	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
1st outpatient (T&O and ophthalmology)	£72,288	£76,396	£73,013	£66,730	£70,837	£76,883	£88,123	£75,049	£83,584	£96,598	£97,853	£95,109	£88,342	£97,713										
FU outpatient (T&O and ophthalmology)	£78,076	£83,551	£74,309	£76,156	£84,832	£86,304	£88,247	£98,839	£85,530	£94,919	£110,412	£103,677	£97,201	£113,302										
Inpatient (HB, CZ and other selected HRGs)	£791,738	£1,074,297	£1,047,797	£1,027,601	£906,489	£799,338	£990,074	£1,038,850	£761,838	£832,311	£667,662	£697,580	£979,390	£943,809										
Daycase (HB, CZ and other selected HRGs)	£454,779	£466,133	£446,551	£391,586	£364,078	£422,442	£496,481	£537,819	£505,810	£563,630	£727,355	£666,869	£751,020	£864,560										
End of care UK contract	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£773,842	£1,547,684	£1,547,684	£1,547,684	£1,547,684	£1,547,684	£1,547,684	£1,547,684
Capacity growth other providers	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£64,250	£128,500	£203,750	£235,000	£285,000	£335,000	£385,000	£435,000
Market shift (PHNT - limited to historical activity)																								
Market shift (other providers - limited to historical activity)																								
Patient choice to go other providers (outside WL)																								
Forecast supply if Care UK demobilise (per quarter)	£7,338,447	£8,154,351	£8,009,756	£8,185,770	£7,788,297	£8,153,809	£8,207,401	£8,078,435	£7,887,629	£8,201,495	£8,030,146	£8,375,810	£8,078,288	£8,319,978	£8,123,770	£7,349,928	£6,640,336	£6,704,586	£6,779,836	£6,811,086	£6,861,086	£6,911,086	£6,961,086	£7,011,086
Forecast supply if Care UK do not demobilise (per quarter)	£7,338,447	£8,154,351	£8,009,756	£8,185,770	£7,788,297	£8,153,809	£8,207,401	£8,078,435	£7,887,629	£8,201,495	£8,030,146	£8,375,810	£8,078,288	£8,319,978	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770	£8,123,770



	2014/15	2015/16	2016/17
Actual activity/ forecast demand (per quarter)	£32,292,831	£28,519,771	£28,284,209
Forecast supply if Care UK demobilise (per quarter)	£31,871,964	£26,935,843	£27,744,343
Potential gap	£420,867	£1,583,928	£539,866
Gap as a % of total activity	-1.3%	-5.6%	-1.9%

**Assumptions**

Full QIPP impact achieved from Q2 15/16. Equivalent to top quartile levels of activity across Southern Region based upon Standardised Admission Rates (Dr Foster). SARs are both age and deprivation standardised. Phased impact from Q4 14/15  
 Additional QIPP impact based upon urgent and necessary measures  
 Orthopaedic outpatient activity has been reduced in proportion to the reduction in inpatient/ daycase QIPP  
 Ophthalmology activity in Care UK is backlog clearance so is not recurrent activity  
 Additional QIPP activity included in 16/17 around foot and ankle even though detailed plans not fully developed  
 A natural market shift would occur if supply is reduced. It has been assumed that existing providers will return to 13/14 levels of orthopaedic activity in 15/16 and to 11/12 levels in 16/17.  
 Patient choice to go to other providers in the health community will naturally change in response to changes in supply. Assumption 33% of patients in South Hams and West Devon will choose a provider outside of Plymouth ie SDHFT, RDE etc

**Summary**

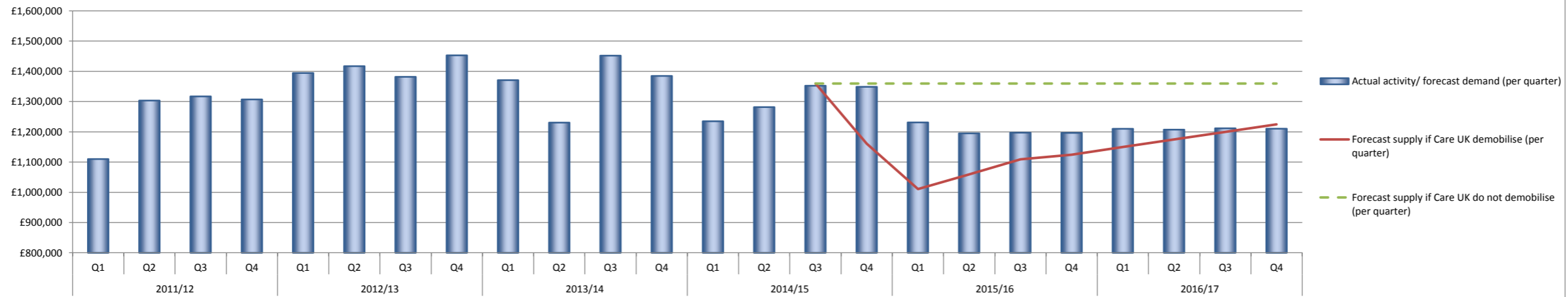
The potential gap in activity in 14/15 could be delivered as a result of the over performance in RTT in the treatment centre ie waiting times are around 5 weeks  
 The potential gap between supply and demand reduces from £1.58m in 15/16 (5.6% of activity) to £540k from 16/17 (1.9% of activity) and is expected to continue at this level going forward without additional supply being created.  
 This would give an estimated gap of £2.7m over the next 3 years  
 Worst case scenario would give a gap of £3.6m (11.8% of activity) in 2015/16 reducing to £2.9m (9.5%) in 2016/17. This would give a total gap of £9.3m over the next 3 years  
 Worst case is equivalent to current level of QIPP improvement being maintained going forward and is unlikely to be realistic if level of supply is reduced (ie Care UK demobilise from the Peninsula Treatment Centre)

**Kernow CCG supply and demand model - East Cornwall Locality (base case)**  
(ophthalmology, orthopaedics non-trauma, and other activity undertaken by Care UK)

Notes: Excludes Probuss Treatment Centre

	2011/12				2012/13				2013/14				2014/15				2015/16				2016/17			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Baseline	£1,110,136	£1,303,516	£1,317,245	£1,307,221	£1,394,458	£1,417,202	£1,381,903	£1,452,971	£1,370,961	£1,230,614	£1,451,980	£1,384,900	£1,235,059	£1,281,827										
1st outpatient (T&O and ophthalmology)	£152,303	£168,286	£175,967	£181,197	£191,013	£173,153	£173,198	£157,925	£165,741	£163,708	£154,224	£142,918	£144,189	£155,042										
FU outpatient (T&O and ophthalmology)	£213,205	£228,872	£229,465	£275,970	£246,997	£248,772	£258,646	£232,514	£215,124	£218,137	£264,596	£255,734	£229,765	£213,252										
Elective Inpatient (HB, BZ and other selected HRGs)	£344,773	£432,137	£453,877	£347,284	£415,559	£452,147	£443,702	£515,209	£435,875	£339,918	£475,682	£490,977	£371,722	£411,939										
Non Elective Inpatient (HB, BZ and other selected HRGs)	£65,292	£102,705	£69,785	£61,832	£71,928	£83,945	£62,399	£83,897	£109,192	£77,040	£77,933	£71,582	£63,231	£79,828										
Daycase (HB, BZ and other selected HRGs)	£334,563	£371,516	£388,151	£440,938	£468,961	£459,185	£443,958	£463,426	£445,029	£431,811	£479,545	£423,689	£426,152	£421,766										
Projected activity from 13/14 baseline																	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614
Expected QIPP impact	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0			£7,128	£10,692	£142,082	£176,877	£176,877	£176,877	£176,877	£176,877
Redesign of MSK Interface, including:																								
- Expansion of MSK Interface (feet & ankles) - 1st OPs																			£1,428	£1,428	£1,428	£1,428	£1,428	£1,428
- Expansion of MSK Interface (feet & ankles) - Inpats																			£3,848	£3,848	£3,848	£3,848	£3,848	£3,848
- Develop MSK/primary care integrated model - 1st OPs																			£5,950	£5,950	£5,950	£5,950	£5,950	£5,950
- Develop MSK/primary care integrated model - FU OPs																			£2,450	£2,450	£2,450	£2,450	£2,450	£2,450
- Develop MSK/primary care integrated model - Inpats																			£105,000	£105,000	£105,000	£105,000	£105,000	£105,000
Procedures of Low Clinical Benefit, including:																								
- Arthroscopy																			£7,128	£10,692	£14,256	£14,256	£14,256	£14,256
- Carpal tunnel																			£2,160	£2,160	£2,160	£2,160	£2,160	£2,160
- Cataracts																			£6,990	£6,990	£6,990	£6,990	£6,990	£6,990
Ophthalmology PHNT backlog clearance																								
Demographic growth at 1% pa																			£34,795	£34,795	£34,795	£34,795	£34,795	£34,795
Actual activity/ forecast demand (per quarter)	£1,110,136	£1,303,516	£1,317,245	£1,307,221	£1,394,458	£1,417,202	£1,381,903	£1,452,971	£1,370,961	£1,230,614	£1,451,980	£1,384,900	£1,235,059	£1,281,827	£1,352,486	£1,348,922	£1,231,241	£1,195,043	£1,192,257	£1,196,586	£1,210,156	£1,207,349	£1,211,776	£1,210,435

	2011/12				2012/13				2013/14				2014/15				2015/16				2016/17			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Baseline	£1,110,136	£1,303,516	£1,317,245	£1,307,221	£1,394,458	£1,417,202	£1,381,903	£1,452,971	£1,370,961	£1,230,614	£1,451,980	£1,384,900	£1,235,059	£1,281,827	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614
Care UK contract	£262,837	£440,180	£514,204	£487,225	£485,427	£410,361	£513,823	£424,517	£393,422	£323,260	£421,611	£451,710	£434,144	£335,589	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
1st outpatient (T&O and ophthalmology)	£25,454	£19,448	£25,454	£20,020	£22,194	£22,879	£25,893	£20,961	£18,952	£19,122	£19,122	£18,516	£19,720											
FU outpatient (T&O and ophthalmology)	£14,706	£18,318	£23,478	£22,446	£27,307	£24,070	£22,825	£26,560	£21,087	£17,618	£21,774	£20,539	£19,805	£23,204										
Elective Inpatient (HB, BZ and other selected HRGs)	£138,042	£278,220	£348,492	£315,558	£334,999	£258,552	£312,659	£277,809	£225,865	£173,649	£235,563	£249,678	£254,542	£106,831										
Non Elective Inpatient (HB, BZ and other selected HRGs)	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0										
Daycase (HB, BZ and other selected HRGs)	£84,635	£124,194	£116,780	£129,201	£100,927	£104,860	£152,446	£99,187	£127,518	£110,635	£141,887	£162,371	£141,281	£185,834										
End of care UK contract	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0										
Capacity growth other providers	£84,635	£124,194	£116,780	£129,201	£100,927	£104,860	£152,446	£99,187	£127,518	£110,635	£141,887	£162,371	£141,281	£185,834	£0	£198,750	£397,501	£397,501	£397,501	£397,501	£397,501	£397,501	£397,501	£397,501
Market shift (PHNT - limited to historical activity)																			£13,125	£26,250	£39,375	£52,500	£75,000	£97,500
Market shift (other providers - limited to historical activity)																			£2,500	£5,000	£7,500	£10,000	£12,500	£15,000
Patient choice to go other providers (outside PHNT catchment)																			£33,000	£66,000	£100,000	£100,000	£100,000	£100,000
Forecast supply if Care UK demobilise (per quarter)	£1,110,136	£1,303,516	£1,317,245	£1,307,221	£1,394,458	£1,417,202	£1,381,903	£1,452,971	£1,370,961	£1,230,614	£1,451,980	£1,384,900	£1,235,059	£1,281,827	£1,359,614	£1,160,863	£1,010,738	£1,059,363	£1,108,988	£1,124,613	£1,149,613	£1,174,613	£1,199,613	£1,224,613
Forecast supply if Care UK do not demobilise (per quarter)	£1,110,136	£1,303,516	£1,317,245	£1,307,221	£1,394,458	£1,417,202	£1,381,903	£1,452,971	£1,370,961	£1,230,614	£1,451,980	£1,384,900	£1,235,059	£1,281,827	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614	£1,359,614



	2014/15	2015/16	2016/17
Actual activity/ forecast demand (per quarter)	£5,218,294	£4,820,127	£4,839,716
Forecast supply if Care UK demobilise (per quarter)	£5,037,363	£4,303,702	£4,748,452
Potential gap	£180,930	£516,425	£91,264
Gap as a % of total activity	-3.5%	-10.7%	-1.9%

**Assumptions**

Baseline activity is based upon all activity for the East practices that is linked to orthopaedic non-trauma (HB), ophthalmology (cataracts), mouth head neck & ears (CZ) plus other selected HRG activity undertaken by Care UK  
 Baseline activity includes non-elective inpatients, elective inpatient & daycase, 1st outpatients and follow-up outpatients  
 A natural market shift would occur if supply is reduced. It has been assumed that existing providers will return to 13/14 levels of orthopaedic activity in 15/16 and to 11/12 levels in 16/17.  
 Patient choice to go to other providers in the health community will naturally change in response to changes in supply.

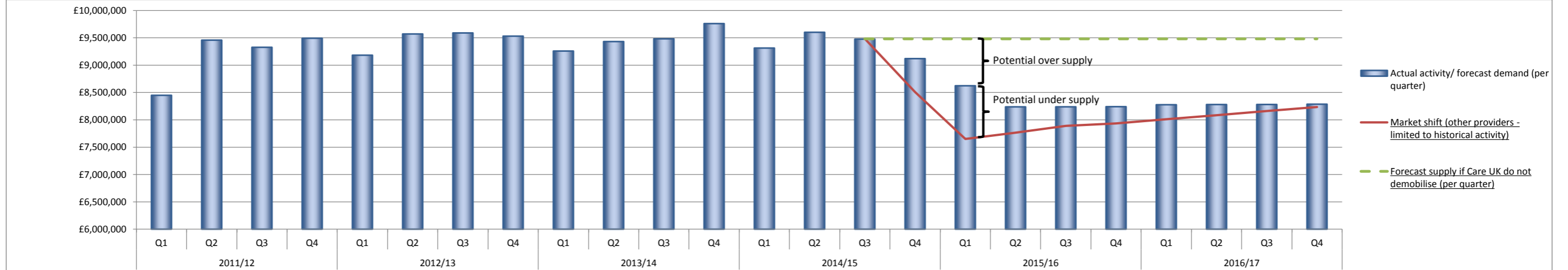
**Summary**

The potential gap in activity in 14/15 could be delivered as a result of the over performance in RTT in the treatment centre ie waiting times are around 5 weeks  
 The potential gap between supply and demand reduces from £516k in 15/16 to £91k from 16/17 and is expected to continue at this level going forward without additional supply being created.  
 This would give an estimated gap of £699k over the next 3 years

**Combined Western Locality & Kernow supply and demand model (base case)**  
(ophthalmology, orthopaedics non-trauma, and other activity undertaken by Care UK)

	2011/12				2012/13				2013/14				2014/15				2015/16				2016/17			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Baseline	£8,448,583	£9,457,867	£9,327,001	£9,492,991	£9,182,755	£9,571,011	£9,589,304	£9,531,406	£9,258,590	£9,432,109	£9,482,126	£9,760,710	£9,313,347	£9,601,805										
1st outpatient (T&O and ophthalmology)	£1,024,814	£1,044,647	£1,111,567	£1,124,535	£1,204,756	£1,153,885	£1,110,004	£989,178	£1,191,423	£1,088,603	£1,044,201	£1,070,663	£1,200,334	£1,112,002										
FU outpatient (T&O and ophthalmology)	£1,194,858	£1,295,056	£1,307,968	£1,519,894	£1,403,857	£1,459,167	£1,486,341	£1,392,854	£1,445,238	£1,433,904	£1,602,609	£1,559,278	£1,435,285	£1,373,548										
Inpatient (HB, CZ and other selected HRGs)	£3,281,857	£4,061,749	£3,872,634	£3,624,479	£3,586,443	£3,701,098	£3,781,004	£3,762,044	£3,280,999	£3,599,387	£3,307,970	£3,541,189	£3,263,963	£3,381,043										
Non Elective Inpatient (HB, BZ and other selected HRGs)	£65,292	£102,705	£69,785	£61,832	£71,928	£83,945	£62,399	£83,897	£109,192	£77,040	£77,933	£71,582	£63,231	£79,828										
Daycase (HB, CZ and other selected HRGs)	£2,547,200	£2,582,194	£2,576,895	£2,721,313	£2,446,809	£2,713,732	£2,705,598	£2,840,007	£2,786,710	£2,801,364	£2,969,868	£3,094,309	£2,924,381	£3,233,618										
Projected activity from 13/14 baseline															£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384
Expected QIPP impact	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£7,128	£363,667	£952,416	£1,340,186	£1,340,186	£1,340,186	£1,392,070	£1,392,070	£1,392,070	£1,392,070
Demographic growth at 1% pa															£92,586	£94,321	£94,821	£97,607	£185,172	£188,642	£189,643	£195,214		
Actual activity/ forecast demand (per quarter)	£8,448,583	£9,457,867	£9,327,001	£9,492,991	£9,182,755	£9,571,011	£9,589,304	£9,531,406	£9,258,590	£9,432,109	£9,482,126	£9,760,710	£9,313,347	£9,601,805	£9,476,256	£9,119,717	£8,623,554	£8,237,519	£8,238,019	£8,240,805	£8,276,485	£8,279,956	£8,280,956	£8,286,528

	2011/12				2012/13				2013/14				2014/15				2015/16				2016/17			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Baseline	£8,448,583	£9,457,867	£9,327,001	£9,492,991	£9,182,755	£9,571,011	£9,589,304	£9,531,406	£9,258,590	£9,432,109	£9,482,126	£9,760,710	£9,313,347	£9,601,805	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384
Care UK contract	£1,659,718	£2,140,557	£2,155,874	£2,049,299	£1,911,664	£1,795,328	£2,176,749	£2,175,074	£1,830,183	£1,910,718	£2,024,893	£2,014,945	£2,350,097	£2,354,973	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
1st outpatient (T&O and ophthalmology)	£97,742	£95,844	£98,467	£86,750	£93,031	£99,762	£114,016	£96,010	£102,536	£117,956	£120,240	£114,231	£106,858	£117,433										
FU outpatient (T&O and ophthalmology)	£92,782	£101,869	£97,787	£98,602	£112,139	£110,374	£111,072	£125,399	£106,617	£112,537	£132,186	£124,216	£117,006	£136,506										
Inpatient (HB, CZ and other selected HRGs)	£929,780	£1,352,517	£1,396,289	£1,343,159	£1,241,488	£1,057,890	£1,302,733	£1,316,659	£987,703	£1,005,960	£903,225	£947,258	£1,233,932	£1,050,640										
Non Elective Inpatient (HB, BZ and other selected HRGs)	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0										
Daycase (HB, CZ and other selected HRGs)	£539,414	£590,327	£563,331	£520,787	£465,005	£527,302	£648,927	£637,006	£633,328	£674,265	£869,242	£829,240	£892,301	£1,050,394										
End of care UK contract	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£972,592	£1,945,185	£1,945,185	£1,945,185	£1,945,185	£1,945,185	£1,945,185	£1,945,185
Capacity growth other providers	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£112,875	£225,750	£350,625	£397,500	£472,500	£547,500	£622,500	£697,500
Market shift (PHNT - limited to historical activity)																	£39,375	£78,750	£118,125	£157,500	£225,000	£292,500	£360,000	£427,500
Market shift (other providers - limited to historical activity)																	£7,500	£15,000	£22,500	£30,000	£37,500	£45,000	£52,500	£60,000
Patient choice to go other providers (outside WL)																	£66,000	£132,000	£210,000	£210,000	£210,000	£210,000	£210,000	£210,000
Forecast supply if Care UK demobilise (per quarter)	£8,448,583	£9,457,867	£9,327,001	£9,492,991	£9,182,755	£9,571,011	£9,589,304	£9,531,406	£9,258,590	£9,432,109	£9,482,126	£9,760,710	£9,313,347	£9,601,805	£9,483,384	£8,510,791	£7,651,074	£7,763,949	£7,888,824	£7,935,699	£8,010,699	£8,085,699	£8,160,699	£8,235,699
Forecast supply if Care UK do not demobilise (per quarter)	£8,448,583	£9,457,867	£9,327,001	£9,492,991	£9,182,755	£9,571,011	£9,589,304	£9,531,406	£9,258,590	£9,432,109	£9,482,126	£9,760,710	£9,313,347	£9,601,805	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384	£9,483,384



	2014/15	2015/16	2016/17
Demand	£37,511,124	£33,339,898	£33,123,925
Supply	£36,909,327	£31,239,545	£32,492,795
Potential gap	£601,797	£2,100,352	£631,130
Gap as a % of total activity	-1.6%	-6.3%	-1.9%

**Assumptions**

Combined model is based upon the total of the likely case scenarios for NEW Devon CCG and Kernow CCG

**Summary**

The potential gap between supply and demand reduces from £2.1m in 15/16 (6.3% of activity) to £631k from 16/17 (1.9% of activity) and is expected to continue at this level going forward without additional supply being created.

This would give an estimated gap of £3.36m over the next 3 years

More work will be undertaken which is as yet unquantified and as yet not included in this model. Expansion of Beacon pilot and redesigning models of followup care to focus on patient initiated follow-up etc.

Model does not take into account of the short term mitigating actions which are in the process of being developed across the health community. This will address any potential under-supply during transition.