

Dental prototype modelling tool guidance presentation

This is an animated presentation

You do not need to press any keys but if you do the slide will advance, disabling the animation features on that slide. It will then continue automatically from the next slide

The modelling tool can be used for:

- Understanding the practice forecast year-end position based on current delivery positions
- Allowing practices to estimate the numbers of patients/activity needed to meet contract requirements at year-end

Using the modelling tool:

- Where cells are green, practices need to input figures
- Where cells are white calculations are done automatically for you

What you will require

1) Capitation remuneration report

2016017Capitation remuneration report - Prototype XXXXXXX- November 2017

Provider name or company name		2017-18 delivery requirements	
Provider name or company name	XXXXX Dental	Contractor's Expected Capitated Population	15,000
Prototype reference number	XXXXX Dental	2016-17 transitional allowance (provisional)	200
Start date for prototype	01/04/2016	Required patients at March 2018 (minus transitional allowance)	14,800
Prototype blend	A	Expected Minimum Activity	18,500
Actual Annual Prototype Value - Capitation Element (AAPV-C)	£725,000.00	Activity and Capitation Performance Tolerance	
Actual Annual Prototype Value - Activity Element (AAPV-A)	£530,000.00	Contract Value Carried Forward - Previous Year	£5,000.00
Actual Annual Prototype Value (AAPV=AAPV-C + AAPV-A)	£1,255,000.00		

Capitated patient list - patients seen in 36 months

Month	36 - month actual capitated patient numbers (new rules)	New joiners needed per remaining month (new rules)	New joiners needed plus imminent lapsers	% of expected patient numbers currently delivering including transitional allowance	% of expected patient numbers currently delivering including transitional allowance
Apr-17	14500	42		97%	98%
May-17	14600	36		97%	99%
Jun-17	14650	35		98%	99%
Jul-17	14700	33		98%	99%
Aug-17	14750	31		98%	100%
Sep-17	14850	21		99%	100%
Oct-17	14900	17		99%	101%
Nov-17	14925	15	138	100%	101%
Dec-17					
Jan-18					
Feb-18					
Mar-18					

Activity - Prototype UDAs delivered

Month	Prototype UDAs carried out in month	Prototype UDAs cumulative total	Expected prototype UDAs	% of expected Prototype UDAs achieved	RAG Green100% or
Apr-17	1300	1300	1542		
May-17	1500	2800			
Jun-17	1600				
Jul-17	1300				
Aug-17					
Sep-17					
Oct-17					
Nov-17					
Dec-17					
Jan-18					
Feb-18					
Mar-18					

The modelling tool can now be downloaded from <https://www.nhsbsa.nhs.uk/dental-contract-reform/dental-contract-reform-england/information-practices-programme/making-it-work-practice>

2) Modelling tool

Prototype practice year-end calculation modelling tool

Cells requiring manual input

Practice name

Practice information (from capitation remuneration report)

Actual Annual Prototype Value (AAPV)
 Capitation element (AAPV-C)
 Activity element (AAPV-A)
 Transitional patient list (CECP)
 Expected Minimum Activity
 Contract value

Estimated Prototype
 Prototype

Estimated patient
 Estimated UDAs

The capitation remuneration report can be found on Compass

Step 1 - Year end delivery		
Capitation		#DIV/0!
Activity		#DIV/0!

Step 2 - Apply rules for adjustments for activity and capitation delivery (exchange mechanism)		
Capitation		#DIV/0!
Activity		#DIV/0!

Step 3 - Combine the year end achievement for capitation and activity		
Capitation		#DIV/0!
Activity		#DIV/0!
Total		#DIV/0!
% total		#DIV/0!

Step 4 - Apply carry forward from previous year		
Carried forward from previous year		£0.00
		#DIV/0!
		#DIV/0!

Step 4a - Additional calculation if initial Y/E position is less than 90% (SFE 4.6 - CAAML)		
Total		#DIV/0!
% total	#DIV/0!	#DIV/0!

Step 5 - Calculate the final position and carry forward (if applicable) for next year		
Initial year-end value		#DIV/0!
Initial year-end percentage		#DIV/0!

Step 5a - Apply tolerances to carry forward figures		
Final year-end value	#DIV/0!	#DIV/0!
Final year-end percentage		#DIV/0!

For every 100 UDAs below your expected minimum activity level (EMA)	#DIV/0!	extra patients are required to achieve the same financial value
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Capitation remuneration report

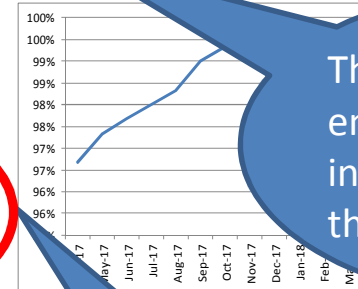
2016/17 Capitation remuneration report - Prototype XXXXXXXX- November 2017

Provider name or company name	
Prototype reference number	XXXXX Dental
Start date for prototype	01/04/2016
Prototype blend	A
Actual Annual Prototype Value - Capitation Element (AAPV-C)	£725,000.00
Actual Annual Prototype Value - Activity Element (AAPV-A)	£530,000.00
Actual Annual Prototype Value (AAPV=AAPV-C + AAPV-A)	£1,255,000.00

2017-18 delivery requirements	
Contractor's Expected Capitated Population	15,000
2016-17 transitional allowance (provisional)	200
Required patients at March 2018 (minus transitional allowance)	14,800
Expected Minimum Activity	18,500
Activity and Capitation Performance Tolerance	
Contract Value Carried Forward - Previous Year	£5,000.00

Capitated patient list - patients seen in 36 months

Month	36 - month actual capitated patient numbers (new rules)	New joiners needed per remaining month (new rules)	New joiners needed plus imminent lapsers	% of expected patient numbers currently delivering (new rules)	% of expected patient numbers currently delivering including transitional allowance
Apr-17	14500	42		97%	98%
May-17	14600	36		97%	98%
Jun-17	14650	35		98%	99%
Jul-17	14700	33		98%	99%
Aug-17	14750	31		98%	100%
Sep-17	14850	21		99%	100%
Oct-17	14900	17		99%	101%
Nov-17	14925	15	138	100%	101%
Dec-17					
Jan-18					
Feb-18					
Mar-18					

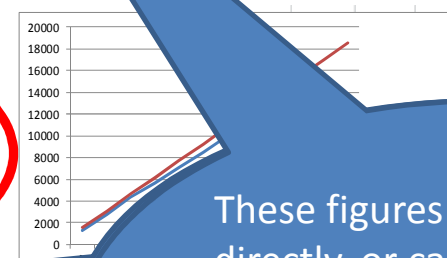


These figures need to be entered into the "Practice information" section of the modelling tool

Capitation section

Activity - Prototype UDAs delivered

Month	Prototype UDAs carried over from previous month	Prototype UDAs cumulative total	Expected prototype UDAs	% of expected prototype UDAs achieved	RAG Green 100% or more
Apr-17	1300	1300	1542	84%	●
May-17	1500	2800	3083	91%	●
Jun-17	1600	4400	4625	95%	●
Jul-17	1300	5700	6167	92%	●
Aug-17	1400	7100	7708	92%	●
Sep-17	1400	8500	9250	92%	●
Oct-17	1500	10000	10792	93%	●
Nov-17	1300	11300	12333	92%	●
Dec-17		11300	13875		
Jan-18		11300	15417		
Feb-18		11300	16958		
Mar-18					

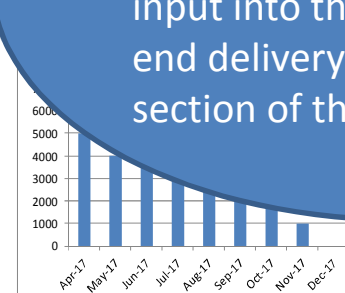
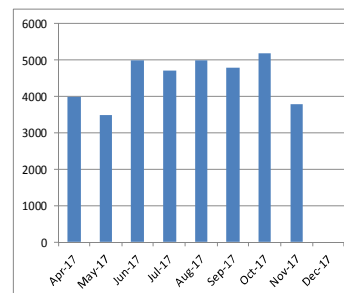


These figures can either be used directly, or can be used to calculate estimated figures for input into the "Estimated year-end delivery percentage" section of the modelling tool

Activity section

Total UDAs delivered - Scheduled activity vs. activity completed

Month	Total Scheduled UDAs	Total UDAs completed in month
Apr-17	4000	5000
May-17	3500	4000
Jun-17	5000	6000
Jul-17	4700	5000
Aug-17	5000	6000
Sep-17	4800	5000
Oct-17	5200	4000
Nov-17	3800	1000
Dec-17		
Jan-18		
Feb-18		
Mar-18		



Prototype practice year-end calculation modelling tool

Cells requiring manual input

Practice name

Practice information (from capitation remuneration report)

Actual Annual Prototype Value (AAPV)	
Capitation element (AAPV-C)	
Activity element (AAPV-A)	
Expected patient list (CECP)	
Transitional allowance	
Expected Capitated Population	0 less transitional allowance
Expected Minimum Activity (EMA)	
Contract value c/fwd - previous year (£)	

Estimated year-end delivery percentage (practice's own figures)

Prototype UDAs (number); or	
Prototype UDAs (percentage)	
Estimated patient numbers	
Estimated UDAs	

The figures from the top section of the capitation remuneration report are entered here

The actual, or estimated figures, based on the capitation and activity sections of the capitation remuneration report are entered here

Year-end delivery percentage for capitation and activity	
Rules for adjustments for activity and capitation delivery (exchange mechanism)	

Step 3 - Combine the year end achievement for capitation and activity	
Capitation	
Activity	
Total	
% total	

Step 4 - Apply carry forward from previous year	
Carry forward from previous year	
% total	#DIV/0!

Step 4a - Additional calculation if initial Y/E position is less than 90% (SFE 4.6 - CAAML)	
Total	#DIV/0!
% total	#DIV/0!

Step 5 - Calculate the final position and carry forward (if applicable) for next year	
Initial year-end value	#DIV/0!
Initial year-end percentage	#DIV/0!

Step 5a - Apply tolerances to carry forward figures	
Final year-end value	#DIV/0!
Final year-end percentage	#DIV/0!

For every 100 UDAs below your expected minimum activity level (EMA)	#DIV/0!	extra patients are required to achieve the same financial value
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Top section of the capitation remuneration report

2016017 Capitation remuneration report - Prototype XXXXXXXX- November 2017

Provider name or company name	1 XXXXX Dental	2017-18 delivery requirements	
Prototype reference number		Contractor's Expected Capitated Population	5 15,000
Start date for prototype	01/04/2016	2016-17 transitional allowance (provisional)	200 6
Prototype blend	A	Required patients at March 2018 (minus transitional allowance)	14,800
Actual Annual Prototype Value - Capitation Element (AAPV-C)	£725,000 3	Expected Minimum Activity	7 18,500
Actual Annual Prototype Value - Activity Element (AAPV-A)	4 £530,000	Activity and Capitation Performance Tolerance	
Actual Annual Prototype Value (AAPV=AAPV-C + AAPV-A)	£1,255,000 2	Contract Value Carried Forward - Previous Year	£5,000 8

Prototype practice year-end calculation modelling tool

Cells requiring manual input

Practice name	1 XXXXX Dental
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Practice information (from capitation remuneration report)

Actual Annual Prototype Value (AAPV)	£1,255,000 2
Capitation element (AAPV-C)	3 £725,000
Activity element (AAPV-A)	£530,000 4
Expected patient list (CECP)	5 15,000
Transitional allowance	200 6
Expected Capitated Population	This is a sub-total
Expected Minimum Activity (EMA)	7 18,500
Contract value c/fwd - previous year (£)	£5,000 8

Prior year under-performance

Estimated year-end delivery percentage (practice's own figures)

Prototype UDAs (number); or	
Prototype UDAs (percentage)	
Estimated patient numbers	
Estimated UDAs	0

(1) Please ensure that you populate the modelling tool with the appropriate figures from the top section of the capitation remuneration report like this

(2) The modelling tool will identify whether this represents prior year under or over-performance

(3) Input one figure in respect of estimated UDAs, either a percentage estimate or an actual number in the appropriate cell

(4) Input the capitation figure from the latest capitation remuneration report, or your own forecast figure

Capitation figures – Where do I get them from?

Top half of the November 2017 capitation remuneration report

2016017 Capitation remuneration report - Prototype XXXXXX - November 2017

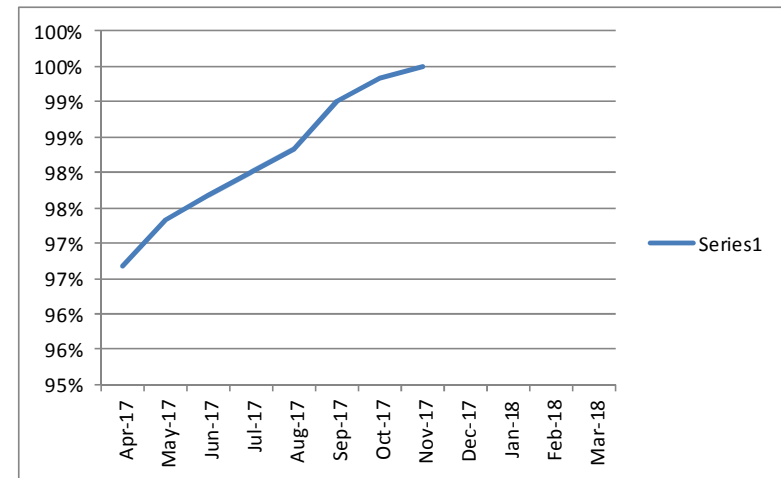
2016017 Capitation remuneration report - Prototype XXXXXX - November 2017		2018 delivery requirements	
Provider name or company name		Contractor's Expected Capitation	15,000
Prototype reference number	XXXXX Dental	2016-17 transitional allowance	200
Start date for prototype	01/04/2016	Required patients at	1,800
Prototype blend	A	Expected Minimum	1,000
Actual Annual Prototype Value - Capitation Element (AAPV-C)	£725,000.00	Activity and Capitation	
Actual Annual Prototype Value - Activity Element (AAPV-A)	£530,000.00	Contract Value Carried Forward	£5,000.00
Actual Annual Prototype Value (AAPV=AAPV-C + AAPV-A)	£1,255,000.00		

(1) Identify the month that the report relates to

Capitated patient list - patients seen in 36 months

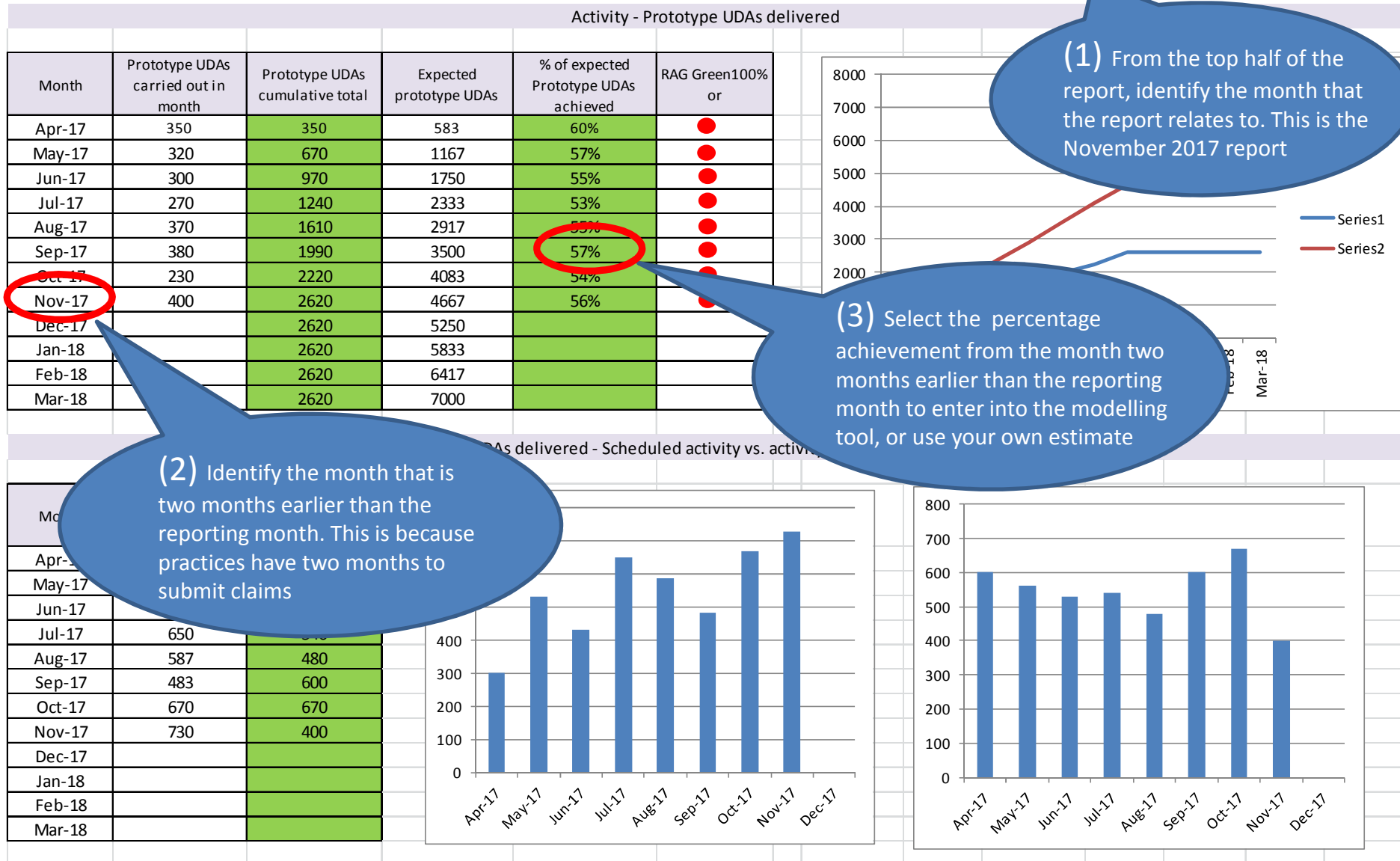
Month	36 - month actual capitated patient numbers (new rules)	New joiners needed per remaining month (new rules)	New joiners needed plus imminent lapers	% of expected patient numbers currently delivering (new rules)	% of expected patient numbers currently delivering including transitional allowance
Apr-17	14500	42		97%	98%
May-17	14600	36		97%	99%
Jun-17	14650	35			99%
Jul-17	14700	33			
Aug-17	14750	31			
Sep-17	14850	21			
Oct-17	14900	15			
Nov-17	14925	15			
Dec-17					
Jan-18					
Feb-18					
Mar-18					

(2) Identify the capitation figure for that month for the modelling tool, or use your own estimate



Activity figures – Where do I get them from?

Bottom half of the November 2017 capitation remuneration report



What do the modelling tool figures mean?

Modelling tool – top half

Prototype practice year-end calculation modelling tool

Cells requiring manual input

Practice name	XXXXX Dental
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Practice information (from capitation remuneration report)

Actual Annual Prototype Value (AAPV)	£1,255,000.00
Capitation element (AAPV-C)	£725,000.00
Activity element (AAPV-A)	£530,000.00
Expected patient list (CECP)	15,000
Transitional allowance	200
Expected Capitated Population	14,800
Expected Minimum Activity (EMA)	18,500
Contract value c/fwd - previous year (£)	£5,000.00

(1) You will have input these figures into the modelling tool as explained in slide 6 earlier in the presentation

less transitional allowance

Prior year under-performance

Estimated year-end delivery percentage (practice's own figures)

Prototype UDAs (number); or	
Prototype UDAs (percentage)	92.00%
Estimated patient numbers	14,925
Estimated UDAs	17,020

(2) Now input your estimated capitation and activity figures, either based on the capitation remuneration report or you own calculations

Modelling tool – bottom half

Step 1 - Year end delivery percentage for capitation and activity		
Capitation		100.83%
Activity		92.00%

Step 1 – Raw capitation and activity performance

Step 2 - Apply rules for adjustments (Exchange mechanism)		
Capitation		100.83%
Activity		92.00%

Step 2 – Exchange mechanism rules are applied to raw capitation and activity performance, if criteria are met

Step 3 - Combine the year end achievement		
Capitation		£731,041.67
Activity		£487,600.00
Total		£1,218,641.67
% total		97.10%

Step 3 – The step 2 percentages are then applied separately to the capitation and activity contract values and added together to give an overall total

Step 4 - Apply carry forward from previous year		
Carry forward from previous year		£5,000.00
		£1,213,641.67
% total		96.70%

Step 4 – The step 3 total value is then adjusted to take into account any carry forward from the previous year. A revised percentage is calculated

Step 4a - Additional calculation if initial Y/E position is less than 90% (SFE 4.6 - CAAML)		
Total		£1,213,641.67
% total		96.70%

Step 4a – Only applies to cases where the step 4 overall percentage is less than 90%. This step limits the under-performance to 90%, otherwise the step 4 total applies

Step 5 - Calculate the final position		
Initial year-end value		£41,358.33
Initial year-end percentage		3.30%

Step 5 – This calculates the final year-end carry forward figure where appropriate, or identifies the amount to be paid back where performance is less than 96%

Step 5a - Apply tolerances to carry forward		
Final year-end value		£41,358.33
Final year-end percentage		3.30%

Step 5a – only applies where the practice over-performs by more than 2%. This step limits any over-performance to 2%, otherwise the step 5 total applies

For every 100 UDAs below your expected minimum activity level (EMA)	59.27	extra patients are required to achieve the same financial value
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Exchange mechanism

The exchange mechanism enables practices to offset under-performance on activity by over-performance on capitation, NOT vice-versa.

Where practices utilise the exchange mechanism, the bottom of the modelling tool states how many additional patients you need to see for every 100 UDAs you are below your expected minimum activity

For every 100 UDAs below your expected minimum activity level (EMA)	59.27	extra patients are required to achieve the same financial value
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A separate exchange mechanism briefing will be published separately

Further support

If you still require further assistance please contact

nhsbsa.dentalcontractreform@nhs.net

The modelling tool can be downloaded from

<https://www.nhsbsa.nhs.uk/dental-contract-reform/dental-contract-reform-england/information-practices-programme/making-it-work-practice>