

Aggregate Summaries of All Models: 2017 SMFP

MODELS SUBMITTED FOR FEBRUARY 15 MEETING

Model	County Need Determination 2017 SMFP	Model Components										SD Substitution (Section 2 only)
		I	II	III	IV	V	Case Times (Section 1 only)	Availability		Percent		
								Hours per Day	Days per Year			
6	49	D	A	B	A	A		0: 10	0: 260	75		
								1: 10	1: 260	75		
								2: 9	2: 260	75		
								3: 8	3: 260	75		
								4: 7	4: 234	80		
								5: 7	5: 234	80		
6a**	33	D	A	B	A	A		0: 10	0: 260	75		
								1: 10	1: 260	75		
								2: 9	2: 260	75		
								3: 8	3: 260	75		
								4: 7	4: 234	80		
								5: 7	5: 234	80		
7	37	B	A	B	A	A	1 (average)	0: 10	0: 260	75		
								1: 10	1: 260	75		
								2: 9	2: 260	75		
								3: 8	3: 260	75		
								4: 7	4: 234	80		
								5: 7	5: 234	80		
8	34	B	B	A	B	B	2 (median)	1: 10	1: 260	80		
								2: 10	2: 260	80		
								3: 10	3: 260	80		
								4: 8	4: 252	75		
9**	50	B	A	B	B	B	2 (median)	0: 10	0: 260	75		
								1: 10	1: 260			
								2: 9	2: 260			
								3: 8	3: 260			
								4: 8	4: 250			
								5: 8	5: 250			
10	35	C	A	A	A	A		0: 10	0: 260	75	A, 1.0 SD	
								1: 10	1: 260			
								2: 9	2: 260			
								3: 8	3: 260			
								4: 8	4: 250			

* Case time increases from the 2016 SMFP to the 2017 SMFP have been capped at 10%.

** Cannot be run with current modeling tool.

I. Grouping

- A. None
- B. Grouping
- C. Grouping with Outlier Substitution
- D. Grouping for Availability only

II. Grouping of Teaching Hospitals

- A. Assign to separate group
- B. Do not assign to separate group

III. Grouping of AMSUs

- A. All AMSUs are in Group 4
- B. Group 4=multi-specialty;
Group 5=single-specialty

IV. Grouping Type

- A. Surgical Hours
- B. Cases

V. Growth Type

- A. Population Growth
- B. Case Growth
- C. No Growth

Aggregate Summaries of All Models: 2017 SMFP

MODELS SUBMITTED FOR FEBRUARY 15 MEETING - continued

Model	County Need Determination 2017 SMFP	Model Components										SD Substitution (Section 2 only)
		I	II	III	IV	V	Case Times (Section 1 only)	Availability		Percent		
								Hours per Day	Days per Year			
11	27	B	A	A	A	C	2 (median)	0: 10	0: 260	75		
								1: 9	1: 260			
								2: 9	2: 260			
								3: 8	3: 250			
								4: 8	4: 234			
12	22	B	B	A	A	C	2 (median)	1: 9	1: 260	75		
								2: 9	2: 260			
								3: 8	3: 250			
								4: 8	5: 234			
13	20	B	B	A	A	C	2 (median)	1: 9	1: 260	75		
								2: 9	2: 260			
								3: 9	3: 260			
								4: 8	5: 234			
14	25	B	B	A	A	C	2 (median)	1: 9	1: 260	75		
								2: 9	2: 260	75		
								3: 8	3: 250	70		
								4: 8	5: 234	70		

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II. Grouping of Teaching Hospitals

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III. Grouping of AMSUs

- A. All AMSUs are in Group 4
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IV. Grouping Type

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- B. Cases

V. Growth Type

- A. Population Growth
- B. Case Growth
- C. No Growth

Aggregate Summaries of All Models: 2017 SMFP

REFERENCE MODELS 1-5 (from December meeting)

Model	County Need Determination		Model Components								SD Substitution (Section 2 only)	
	2017 SMFP		I	II	III	IV	V	Case Times (Section 1 only)	Availability			Percent
									Hours per Day	Days per Year		
Standard Methodology	4							IP=180 min; AMB=90 min.	9	260	80	
1	43	B	A	A	A	A	2 (median)		0: 9 1: 9 2: 9 3: 8 4: 8	0: 260 1: 260 2: 260 3: 260 4: 260	80	
2	21	B	A	A	A	A	2 (median)		0: 10 1: 10 2: 9 3: 8 4: 8	0: 260 1: 260 2: 260 3: 260 4: 234	80	
3	40	B	A	A	A	A	2 (median)		0: 10 1: 10 2: 9 3: 8 4: 8	0: 260 1: 260 2: 260 3: 260 4: 234	75	
4	44	D	A	A	A	A			0: 10 1: 10 2: 9 3: 8 4: 8	0: 260 1: 260 2: 260 3: 260 4: 234	75	
5	36	C	A	A	A	A			0: 10 1: 10 2: 9 3: 8 4: 8	0: 260 1: 260 2: 260 3: 260 4: 234	75	A, 1.0 SD

I. Grouping

- A. None
- B. Grouping
- C. Grouping with Outlier Substitution
- D. Grouping for Availability only

II. Grouping of Teaching Hospitals

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- B. Do not assign to separate group

III. Grouping of AMSUs

- A. All AMSUs are in Group 4
- B. Group 4=multi-specialty;

IV. Grouping Type

- A. Surgical Hours
- B. Cases

V. Growth Type

- A. Population Growth
- B. Case Growth
- C. No Growth

Models 6-14: Submitted for February 15 Meeting

Model 6

Health System	Health System Need		County Summary	County OR Need*
Orthopaedic Surgery Center of Asheville	1		Buncombe	1
Gateway Surgery Center	1		Cabarrus	1
Duke Univ. Health System (Durham-All)	3			
North Carolina Specialty Hospital	3		Durham	6
Wake Forest Baptist Health (Forsyth-All)	6		Forsyth	6
Surgical Center of Greensboro	6		Guilford	6
Carolinas HealthCare System (Mecklenburg-All)	12			
Charlotte Surgery Center	2			
SouthPark Surgery Center	2		Mecklenburg	16
New Hanover Regional Medical Center	2		New Hanover	0
University of North Carolina Hospitals	7		Orange	7
Vidant Health (Pitt-All)	2		Pitt	2
Duke Raleigh Hospital	3		Wake	3
Watauga Medical Center	1		Watauga	1
	51		Grand Total	49

Model 6a

Health System	Health System Need		County Summary	County OR Need*
Orthopaedic Surgery Center of Asheville	1		Buncombe	1
Gateway Surgery Center	1		Cabarrus	1
Duke Univ. Health System (Durham-All)	2			
North Carolina Specialty Hospital	3		Durham	5
Wake Forest Baptist Health (Forsyth-All)	2		Forsyth	2
Carolinas HealthCare System (Mecklenburg-All)	8			
Charlotte Surgery Center	2			
SouthPark Surgery Center	2		Mecklenburg	12
New Hanover Regional Medical Center	2		New Hanover	0
University of North Carolina Hospitals	7		Orange	7
Vidant Health (Pitt-All)	2		Pitt	2
Duke Raleigh Hospital	3		Wake	3
	35		Grand Total	33

Models 6-14: Submitted for February 15 Meeting

Model 7

Health System	Health System Need		County Summary	County OR Need*
Asheville Eye Surgery Center	2		Buncombe	2
Gateway Surgery Center	1		Cabarrus	1
Graystone Eye Surgery Center	2		Catawba	2
North Carolina Specialty Hospital	1		Durham	1
Wake Forest Baptist Health (Forsyth-All)	5		Forsyth	5
Carolinas HealthCare System (Mecklenburg-All)	8			
SouthPark Surgery Center	1		Mecklenburg	9
The Eye Surgery Center of the Carolinas	2		Moore	2
New Hanover Regional Medical Center	5		New Hanover	2
University of North Carolina Hospitals	6		Orange	6
Vidant Health (Pitt-All)	5		Pitt	5
Duke Raleigh Hospital	2		Wake	2
	40		Grand Total	37

Model 8

Health System	Health System Need		County Summary	County OR Need*
Asheville Eye Surgery Center	2		Buncombe	2
Graystone Eye Surgery Center	3		Catawba	3
Davie Medical Center	15		Davie	15
CaroMont	8		Gaston	8
Mission Health System (Macon-All)	1		Macon	1
SouthPark Surgery Center	1		Mecklenburg	1
The Eye Surgery Center of the Carolinas	2		Moore	2
New Hanover Regional Medical Center	5		New Hanover	2
	37		Grand Total	34

Models 6-14: Submitted for February 15 Meeting

Model 9

Health System	Health System Need		County Summary	County OR Need*
Asheville Eye Surgery Center	1		Buncombe	1
Graystone Eye Surgery Center	1		Catawba	1
Davie Medical Center	17		Davie	17
North Carolina Specialty Hospital	1		Durham	1
Wake Forest Baptist Health (Forsyth-All)	5		Forsyth	5
Mission Health System (Macon-All)	1		Macon	1
Carolinas HealthCare System (Mecklenburg-All)	8		Mecklenburg	8
The Eye Surgery Center of the Carolinas	1		Moore	1
New Hanover Regional Medical Center	9		New Hanover	6
University of North Carolina Hospitals	6		Orange	6
Vidant Health (Pitt-All)	3		Pitt	3
	53		Grand Total	50

Model 10

Health System	Health System Need		County Summary	County OR Need*
Gateway Surgery Center	1		Cabarrus	1
Duke Univ. Health System (Durham-All)	1			
North Carolina Specialty Hospital	3		Durham	4
Wake Forest Baptist Health (Forsyth-All)	6		Forsyth	6
Carolinas HealthCare System (Mecklenburg-All)	11			
Charlotte Surgery Center	1			
SouthPark Surgery Center	1		Mecklenburg	13
New Hanover Regional Medical Center	2		New Hanover	0
University of North Carolina Hospitals	7		Orange	7
Vidant Health (Pitt-All)	1		Pitt	1
Duke Raleigh Hospital	3		Wake	3
	37		Grand Total	35

Models 6-14: Submitted for February 15 Meeting

Model 11

Health System	Health System Need		County Summary	County OR Need*
Asheville Eye Surgery Center	2		Buncombe	2
Graystone Eye Surgery Center	2		Catawba	2
Davie Medical Center	1		Davie	1
North Carolina Specialty Hospital	1		Durham	1
Wake Forest Baptist Health (Forsyth-All)	3		Forsyth	3
Carolinas HealthCare System (Mecklenburg-All)	3			
SouthPark Surgery Center	1		Mecklenburg	4
The Eye Surgery Center of the Carolinas	2		Moore	2
New Hanover Regional Medical Center	6		New Hanover	3
University of North Carolina Hospitals	5		Orange	5
Vidant Health (Pitt-All)	4		Pitt	4
	30		Grand Total	27

Model 12

Health System	Health System Need		County Summary	County OR Need*
Asheville Eye Surgery Center	2		Buncombe	2
Graystone Eye Surgery Center	2		Catawba	2
Davie Medical Center	1		Davie	1
North Carolina Specialty Hospital	1		Durham	1
Novant Health (Forsyth-All)	1		Forsyth	1
SouthPark Surgery Center	1		Mecklenburg	1
The Eye Surgery Center of the Carolinas	2		Moore	2
New Hanover Regional Medical Center	12		New Hanover	9
University of North Carolina Hospitals	1		Orange	1
Vidant Health (Pitt-All)	1		Pitt	1
UNC REX Healthcare (Wake-All)	1		Wake	1
	25		Grand Total	22

Models 6-14: Submitted for February 15 Meeting

Model 13

Health System	Health System Need		County Summary	County OR Need*
Asheville Eye Surgery Center	2		Buncombe	2
Graystone Eye Surgery Center	2		Catawba	2
Novant Health (Forsyth-All)	1		Forsyth	1
SouthPark Surgery Center	1		Mecklenburg	1
The Eye Surgery Center of the Carolinas	2		Moore	2
New Hanover Regional Medical Center	12		New Hanover	9
University of North Carolina Hospitals	1		Orange	1
Vidant Health (Pitt-All)	1		Pitt	1
UNC REX Healthcare (Wake-All)	1		Wake	1
	23		Grand Total	20

Model 14

Health System	Health System Need		County Summary	County OR Need*
Novant Health Brunswick Medical Center	1		Brunswick	0
Asheville Eye Surgery Center	2		Buncombe	2
Gateway Surgery Center	1		Cabarrus	1
Graystone Eye Surgery Center	2		Catawba	2
Davie Medical Center	1		Davie	1
North Carolina Specialty Hospital	1		Durham	1
Novant Health (Forsyth-All)	1		Forsyth	1
SouthPark Surgery Center	1		Mecklenburg	1
The Eye Surgery Center of the Carolinas	3		Moore	3
New Hanover Regional Medical Center	12		New Hanover	9
University of North Carolina Hospitals	1		Orange	1
Vidant Health (Pitt-All)	2		Pitt	2
UNC REX Healthcare (Wake-All)	1		Wake	1
	29		Grand Total	25

Reference Models 1-5 (from December meeting)

Model 1

Health System	Health System Need		County Summary	County OR Need*
Asheville Eye Surgery Center	1		Buncombe	1
Graystone Eye Surgery Center	2		Catawba	2
North Carolina Specialty Hospital	1		Durham	1
Wake Forest Baptist Health (Forsyth-All)	8		Forsyth	8
Carolinas HealthCare System (Mecklenburg-All)	12		Mecklenburg	12
The Eye Surgery Center of the Carolinas	2		Moore	2
New Hanover Regional Medical Center	6		New Hanover	3
University of North Carolina Hospitals	9		Orange	9
Vidant Health (Pitt-All)	5		Pitt	5
	46		Grand Total	43

Model 2

Health System	Health System Need		County Summary	County OR Need*
Asheville Eye Surgery Center	2		Buncombe	2
Gateway Surgery Center	1		Cabarrus	1
Graystone Eye Surgery Center	2		Catawba	2
North Carolina Specialty Hospital	1		Durham	1
Wake Forest Baptist Health (Forsyth-All)	2		Forsyth	2
Carolinas HealthCare System (Mecklenburg-All)	4			
SouthPark Surgery Center	1		Mecklenburg	5
The Eye Surgery Center of the Carolinas	2		Moore	2
New Hanover Regional Medical Center	2		New Hanover	0
University of North Carolina Hospitals	4		Orange	4
Vidant Health (Pitt-All)	2		Pitt	2
	23		Grand Total	21

Reference Models 1-5 (from December meeting)

Model 3

Health System	Health System Need		County Summary	County OR Need*
Asheville Eye Surgery Center	2		Buncombe	2
Gateway Surgery Center	1		Cabarrus	1
Graystone Eye Surgery Center	2		Catawba	2
North Carolina Specialty Hospital	1		Durham	1
Wake Forest Baptist Health (Forsyth-All)	6		Forsyth	6
Carolinas HealthCare System (Mecklenburg-All)	10			
SouthPark Surgery Center	1		Mecklenburg	11
The Eye Surgery Center of the Carolinas	3		Moore	3
New Hanover Regional Medical Center	4		New Hanover	1
University of North Carolina Hospitals	7		Orange	7
Vidant Health (Pitt-All)	5		Pitt	5
Duke Raleigh Hospital	1		Wake	1
	43		Grand Total	40

Model 4

Health System	Health System Need		County Summary	County OR Need*
Orthopaedic Surgery Center of Asheville	1		Buncombe	1
Gateway Surgery Center	1		Cabarrus	1
Duke Univ. Health System (Durham-All)	3			
North Carolina Specialty Hospital	3		Durham	6
Wake Forest Baptist Health (Forsyth-All)	6		Forsyth	6
Surgical Center of Greensboro	5		Guilford	5
Carolinas HealthCare System (Mecklenburg-All)	11			
Charlotte Surgery Center	1			
SouthPark Surgery Center	1		Mecklenburg	13
New Hanover Regional Medical Center	2		New Hanover	0
University of North Carolina Hospitals	7		Orange	7
Vidant Health (Pitt-All)	1		Pitt	1
Duke Raleigh Hospital	3		Wake	3
Watauga Medical Center	1		Watauga	1
	46		Grand Total	44

Reference Models 1-5 (from December meeting)

Model 5

Health System	Health System Need		County Summary	County OR Need*
Gateway Surgery Center	1		Cabarrus	1
Duke Univ. Health System (Durham-All)	2			
North Carolina Specialty Hospital	3		Durham	5
Wake Forest Baptist Health (Forsyth-All)	6		Forsyth	6
Carolinas HealthCare System (Mecklenburg-All)	11			
Charlotte Surgery Center	1			
SouthPark Surgery Center	1		Mecklenburg	13
New Hanover Regional Medical Center	2		New Hanover	0
University of North Carolina Hospitals	7		Orange	7
Vidant Health (Pitt-All)	1		Pitt	1
Duke Raleigh Hospital	3		Wake	3
	38		Grand Total	36