

# July 2003 North Carolina Semiannual Dialysis Report

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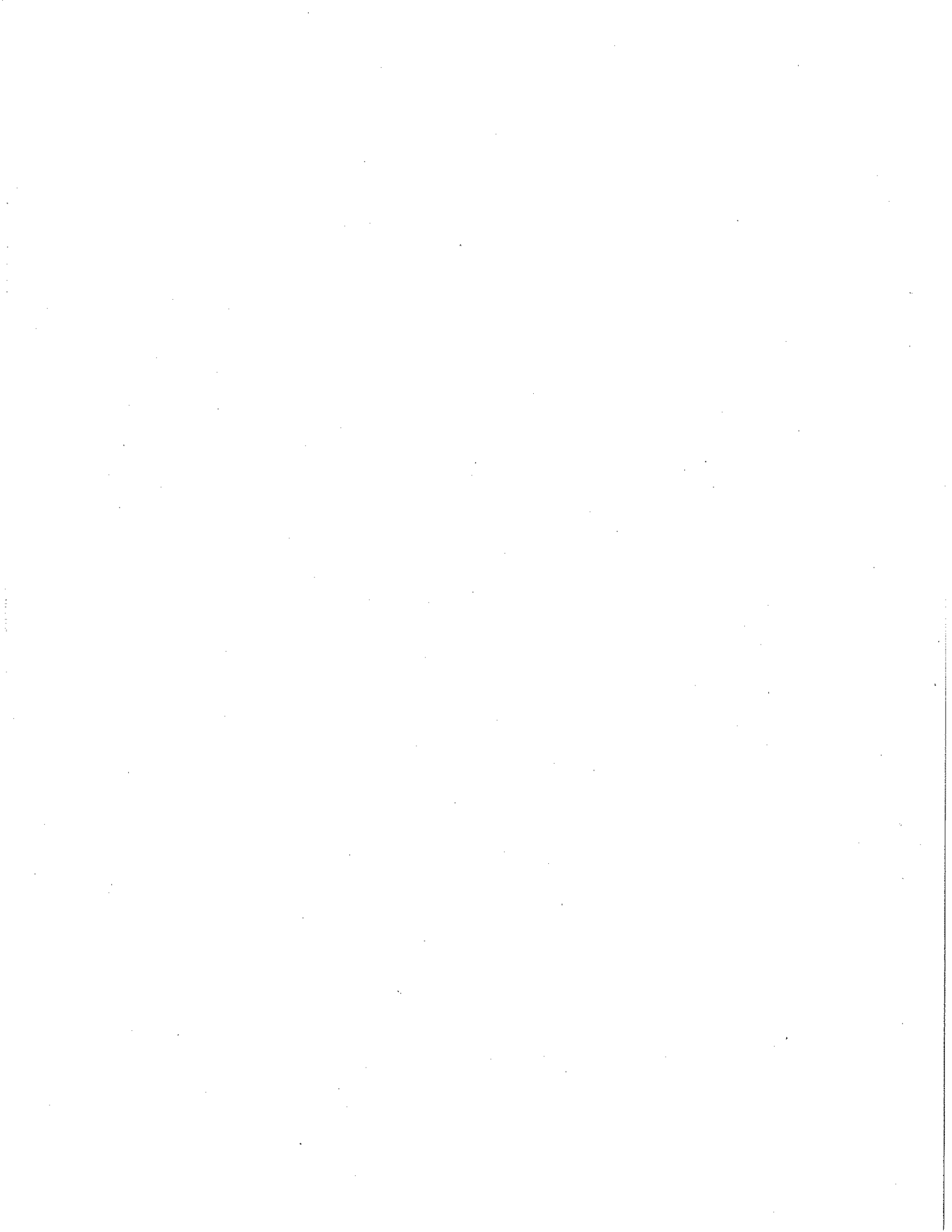
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## END-STAGE RENAL DISEASE DIALYSIS FACILITIES

### July 2003 Semiannual Dialysis Report

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#### **Introduction**

The 2003 State Medical Facilities Plan requires semiannual determination of need for new dialysis stations in North Carolina. This approach calls for publication of "Semiannual Dialysis Reports" (SDR) during January and July. The 2003 Plan specifies that the Semiannual Dialysis Reports "...will use facility, station and active patient data as of June 30, 2002 for the January 2003 SDR, and as of December 31, 2002 for the July 2003 SDR. A new five-year trend line will be established in the July 2003 SDR, based on validated data as reported to the Centers for Medicare and Medicaid Services (CMS) for the time period ending December 31, 2002." This document is the July 2003 SDR. It reiterates the methodology and presents need determinations for the Certificate of Need Review beginning October 1, 2003.

#### **Summary of Dialysis Station Supply and Utilization**

For purposes of the Semiannual Dialysis Report, as of June 25, 2003 there were 127 End-Stage Renal Disease (ESRD) dialysis facilities certified and operating in North Carolina (*i.e., facilities reporting patient data via the Southeastern Kidney Council*), providing a total of 2,941 dialysis stations. Certificates of need had been issued for an additional 214 dialysis stations, but the stations were not yet certified. Another 100 dialysis stations had been requested, but had not completed the certificate of need review and appeals process. The number of facilities per county ranged from zero to twelve.

Utilization data as of December 31, 2002 are presented in the final two columns of Table A. Of the 125 certified facilities operational on that date, 74 were at or above 80% utilization (*i.e., operating with at least 3.2 patients per station*).

#### **Sources of Data**

##### ***Inventory Data:***

Data on the current number of dialysis facilities and stations were obtained from the Certificate of Need Section and from the Licensure and Certification Section, Division of Facility Services, N. C. Department of Health and Human Services.

##### ***Dialysis Patient Data:***

Data on the dialysis population by county and by facility as of December 31, 2002 were provided by the Centers for Medicare and Medicaid Services (CMS) through the Southeastern Kidney Council, Inc. (SEKC) and the Mid-Atlantic Renal Coalition, Inc.

County Data are designed to include all North Carolina residents of each county who are receiving dialysis, regardless of where they are currently being served. The numbers of North Carolina patients being served in North Carolina, Georgia and South Carolina as of December 31, 2002 were provided by the SEKC as of May 15, 2003. The SEKC noted that these figures reflect data submitted to it by dialysis facilities in Network 6 and were current as of the report date. The SEKC stated that these data are subject to change. County totals from the SEKC were supplemented by data from the Mid-Atlantic Renal Coalition indicating the number of patients residing in North Carolina counties and receiving dialysis in Virginia. Data for December 31<sup>st</sup> of 1998, 1999, 2000, and 2001 have been provided by the same sources for the five-year trend analysis.

Facility Data include all patients being served by each provider as of December 31, 2002 regardless of the county or state of each patient's residence. These figures were also provided by the SEKC as of May 15, 2003. Again, the SEKC noted that these figures reflect data provided to it by dialysis facilities in Network 6 and were current as of the report date. The SEKC also stated that these figures are subject to change.

### **Method for Projection of New Dialysis Station Need**

The 2003 State Medical Facilities Plan (SMFP) directs the Medical Facilities Planning Section to "...determine need for new dialysis stations two times each calendar year, and...make a report of such determinations available to all who request it." The basic principles, methodology and timeline to be used were specified in the 2003 SMFP and are presented below:

### ***Basic Principles***

The principles underlying projection of need for additional dialysis stations are as follows:

1. Increases in the number of facilities or stations should be done to meet the specific need for either a new facility or an expansion.
2. New facilities must have a projected need for at least 10 stations (or 32 patients at 3.2 patients per station) to be cost effective and to assure quality of care.
3. The Medical Facilities Planning Section will maintain a list of existing facilities and stations, utilization rates and projected need by county that is up-dated semiannually. Updated projections will be available two times a year on a published schedule. Existing or potential providers interested in expanding in any area of the State may contact the Medical Facilities Planning Section for projected need in the area of interest.
4. Updates of the projections may target counties that have developed sufficient need to warrant consideration for facility expansion or for establishment of a new

facility. Actual numbers are not published in the Plan so they can be updated as appropriate by the Medical Facilities Planning Section.

5. Home patients will not be included in the determination of need for new stations. Home patients include those that receive hemodialysis or peritoneal dialysis in their home.
6. No existing facility may expand unless its utilization is 80% or greater. Any facility at 80% utilization or greater may apply to expand.
7. Facilities reporting no patients through the Southeastern Kidney Council for four consecutive Semiannual Dialysis Reports, beginning from March 1997, will be excluded from future inventories.
8. Quality of Care: All facilities should comply with Medicare and Medicaid regulations relating to the delivery and certification of ESRD services and with relevant North Carolina statutory provisions. An applicant already involved in the provision of end-stage renal disease services should provide evidence that care of high quality has been provided in the past. The following are considered indicators of quality of care and existing providers proposing to expand their operations should include in their applications data which includes, but is not limited to, the following:
  - a. utilization rates
  - b. morbidity and mortality rates
  - c. numbers of patients that are home trained and patients on home dialysis
  - d. number of patients receiving transplants
  - e. number of patients currently on the transplant waiting list
  - f. hospital admission rates
  - g. conversion rates for patients who have acquired hepatitis or AIDS
9. Availability of Manpower and Ancillary/Support Services: The applicant should show evidence of the availability of qualified staff and other health manpower and management for the provision of quality ESRD services as well as the availability of a safe and adequate water supply, provision for treatment of wastewater discharge and a standing electrical service with backup capabilities.
10. Patient Access to In-Center ESRD Services: As a means of making ESRD services more accessible to patients, one of the goals of the N. C. Department of Health and Human Services is to minimize patient travel time to and from the center. Therefore:
  - a. End-stage renal disease treatment should be provided in North Carolina such that patients who require renal dialysis are able to be served in a facility no farther than 30 miles from the patients' homes.

- b. In areas where it is apparent that patients are currently traveling more than 30 miles for in-center dialysis, favorable consideration should be given to proposed new facilities which would serve patients who are farthest away from existing, operational or approved facilities.
11. Transplantation Services: Transplantation services should be available to, and a priority for, all ESRD patients whose conditions make them suitable candidates for this treatment. New enrollees should meet with and have access to a transplantation representative to provide patient education and evaluation for transplantation.
  12. Availability of Dialysis Care: The N. C. State Health Coordinating Council encourages applicants for dialysis stations to provide or arrange for:
    - a. Home training and backup for patients suitable for home dialysis in the ESRD dialysis facility or in a facility that is a reasonable distance from the patient's residence;
    - b. ESRD dialysis service availability at times that do not interfere with ESRD patients' work schedules; and
    - c. Services in rural, remote areas.

### ***Methodology***

Need for new dialysis stations shall be determined as follows:

- (1) County Need (*for the July 2003 SDR – Using a new trend line based on 12/31/02 data*)
  - (A) The average annual rate (%) of change in total number of dialysis patients resident in each county from the end of 1998 to the end of 2002 is multiplied by the county's December 31, 2002 total number of patients in the SDR, and the product is added to each county's most recent total number of patients reported in the SDR. The sum is the county's projected total December 31, 2003 patients.
  - (B) The percent of each county's total patients who were home dialysis patients on December 31, 2002 is multiplied by the county's projected total December 31, 2003 patients, and the product is subtracted from the county's projected total December 31, 2003 patients. The remainder is the county's projected December 31, 2003 in-center dialysis patients.
  - (C) The projected number of each county's December 31, 2003 in-center patients is divided by 3.2. The quotient is the projection of the county's December 31, 2003 in-center dialysis stations.

- (D) From each county's projected number of December 31, 2003 in-center stations is subtracted the county's number of stations certified for Medicare, CON-approved and awaiting certification, awaiting resolution of CON appeals, and the number represented by need determinations in previous State Medical Facilities Plans or Semiannual Dialysis Reports for which CON decisions have not been made. The remainder is the county's December 31, 2003 projected station surplus or deficit.
- (E) If a county's December 31, 2003 projected station deficit is ten or greater and the July SDR shows that utilization of each dialysis facility in the county is 80% or greater, the December 31, 2003 county station need determination is the same as the December 31, 2003 projected station deficit. If a county's December 31, 2003 projected station deficit is less than ten or if the utilization of any dialysis facility in the county is less than 80%, the county's December 31, 2003 station need determination is zero.

(2) Facility Need

A dialysis facility located in a county for which the result of the County Need methodology is zero in the current Semiannual Dialysis Report (SDR) is determined to need additional stations to the extent that:

- (A) Its utilization, reported in the current SDR, is 3.2 patients per station or greater.
- (B) Such need, calculated as follows, is reported in an application for a certificate of need:
  - (i) The facility's number of in-center dialysis patients reported in the previous Dialysis Report (SDR<sub>1</sub>) is subtracted from the number of in-center dialysis patients reported in the current SDR (SDR<sub>2</sub>). The difference is multiplied by 2 to project the net in-center change for 1 year. Divide the projected net in-center change for the year by the number of in-center patients from SDR<sub>1</sub> to determine the projected annual growth rate.
  - (ii) The quotient from (2)(B)(i) is divided by 12.
  - (iii) The quotient from (2)(B)(ii) is multiplied by 12 (*the number of months from December 31, 2002 until December 31, 2003*) for the July 1, 2003 SDR. (*Note: For the July SDR, Steps (ii) and (iii) cancel one another.*)
  - (iv) The product from (2)(B)(iii) is multiplied by the number of the facility's in-center patients reported in the current SDR and that product is added to such reported number of in-center patients.

- (v) The sum from (2)(B)(iv) is divided by 3.2, and from the quotient is subtracted the facility's current number of certified stations as recorded in the current SDR and the number of pending new stations for which a certificate of need has been issued. The remainder is the number of stations needed.
- (C) The facility may apply to expand to meet the need established in (2)(B)(v), up to a maximum of ten stations.

*[NOTE: "Rounding" to the nearest whole number is allowed only in Step 1(C) and Step 2(B)(v). In these instances, fractions of 0.5000 or greater shall be rounded to the next highest whole number.]*

Unless specific "adjusted need determinations" are recommended by the North Carolina State Health Coordinating Council, an application for a certificate of need for additional dialysis stations can be considered consistent with the need determinations of the 2003 State Medical Facilities Plan only if it demonstrates a need by utilizing one of the methods of determining need as outlined above.

***Timeline***

The schedule for publication of the "July 2003 North Carolina Semiannual Dialysis Report" and for receipt of certificate of need applications pursuant to this report shall be as follows:

<u>Data for Period Ending</u>	<u>Due Dates for SEKC Report</u>	<u>Publication of SDR</u>	<u>Application Due Dates for CON Applications</u>	<u>Beginning Review Dates</u>
Dec. 31, 2002	May 12, 2003	July 1, 2003	September 15, 2003	October 1, 2003

Please be advised that 5:00 p.m. on the specified Application Due Date is the filing deadline for any certificate of need application in response to these dialysis reports. This document is the July 2003 SDR. Applications in response to this report must be received no later than 5:00 p.m. on September 15, 2003. The filing deadline is absolute.



**Table A: Inventory of Dialysis Stations and Calculation of Utilization Rates**  
 (Inventory Compiled 6/25/03; Utilization Rates Calculated for 12/31/02)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 6/25/03				Certified Stations 12/31/02	# In-Center Patients 12/31/02	Utilization Rates		
				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending			TOTAL	By Percent	Patients per Station
ALAMANCE	34-2533	BMA of Burlington	Burlington	33	2	0	0	35	30	109	90.8%	3.63
	34-2567	Burlington Dialysis Center	Burlington	27	0	0	0	27	27	67	62.0%	2.48
ALEXANDER								0				
ALLEGHANY								0				
ANSON	34-2560	Dialysis Care of Anson County	Wadesboro	13	0	0	0	13	13	33	63.5%	2.54
ASHE								0				
AVERY								0				
BEAUFORT	34-2561	BMA of Pamlico	Washington	25	0	0	0	25	25	69	69.0%	2.76
BERTIE	34-2547	Windsor Dialysis Unit (BMA)	Windsor	16	0	0	0	16	16	43	67.2%	2.69
BLADEN	34-2578	Southeastern Dialysis Center, Inc.	Elizabethtown	17	0	0	0	17	17	51	75.0%	3.00
BRUNSWICK	34-2582	Southeastern Dialysis Center, Inc.	Shalotte	11	0	0	0	11	11	39	88.6%	3.55
BUNCOMBE	34-2506	Asheville Kidney Center	Asheville	36	0	0	0	36	36	158	109.7%	4.39
	34-2626	Swannanoa Dialysis Center *	Swannanoa	10	0	0	0	10	0	2		
	34-2604	Weaverville Dialysis Center	Weaverville	20	0	0	0	20	20	74	92.5%	3.70
BURKE	34-2563	BMA of Burke County	Morganton	17	8	0	0	25	17	67	98.5%	3.94
CABARRUS	34-2519	Meitrolina Kidney Center (BMA-Concord)	Concord	30	0	0	0	30	30	88	73.3%	2.93
	n/a	Concord Dialysis Center **	Concord	0	10	0	0	10				
CALDWELL	34-2509	BMA-Lenoir (Northwestern Dialysis)	Lenoir	29	0	0	0	29	29	95	81.9%	3.28
CAMDEN								0				
CARTERET	34-2588	Crystal Coast Dialysis Unit (BMA)	Morehead City	20	0	0	0	20	20	58	72.5%	2.90
CASWELL	34-2597	Carolina Dialysis Center-Caswell	Yanceyville	10	0	0	0	10	10	29	72.5%	2.90
CATAWBA	34-2516	BMA-Hickory (Northwestern Dialysis)	Hickory	33	-2	0	0	31	33	116	89.4%	3.58
	n/a	FMC Catawba Valley Dialysis *	Conover	0	12	0	0	12				
CHATHAM	34-2621	Carolina Dialysis Siler City (x 34-3501)	Siler City	9	0	0	0	9	9	33	91.7%	3.67
	34-2617	Carolina Dialysis -Pittsboro	Pittsboro	10	0	0	0	10	10	11	27.5%	1.10
CHEROKEE								0				
CHOWAN	34-2541	Gambro Healthcare Edenton	Edenton	17	0	0	0	17	17	50	73.5%	2.94
CLAY								0				
CLEVELAND	34-2529	Dialysis Clinic, Inc. (DCI Shelby)	Shelby	29	0	0	0	29	29	93	80.2%	3.21
	34-2611	DCI Kings Mountain	Kings Mtn.	12	0	0	0	12	12	27	56.3%	2.25
COLUMBUS	34-2521	Southeastern Dialysis Center *	Whiteville	21	0	0	0	21	25	89	89.0%	3.56
	n/a	Chadbourn Dialysis Center *	Chadbourn	10	0	0	0	10				

\* Proposed new site composed of existing dialysis stations. Utilization of existing stations included with current location shown above.  
 \*\* Proposed new site composed of existing dialysis stations. Utilization of existing stations is shown with "Dialysis Care of Kannapolis" in Rowan County.

**Table A: Inventory of Dialysis Stations and Calculation of Utilization Rates**  
 (Inventory Compiled 6/25/03; Utilization Rates Calculated for 12/31/02)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 6/25/03				Certified Stations 12/31/02	# In-Center Patients 12/31/02	Utilization Rates		
				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending			TOTAL	Percent	Patients per Station
CRAVEN	34-2534	New Bern Dialysis Unit (BMA)	New Bern	39	0	0	0	39	104	66.7%	2.67	
	34-2585	FMC Craven County (Dialysis Care of...)	New Bern	29	0	0	0	29	59	50.9%	2.03	
CUMBERLAND	34-2510	Fayetteville Kidney Center Inc. (BMA)	Fayetteville	41	-15	0	0	26	133	81.1%	3.24	
	n/a	FMC Dialysis Services of West Fayetteville *	Fayetteville	0	15	0	0	15				
	34-2593	FMC Dialysis Services-North Ramsey (BMA)	Fayetteville	40	0	0	0	40	103	83.1%	3.32	
	34-2601	FMC Dialysis Services-South Ramsey (BMA)	Fayetteville	38	0	0	0	38	121	79.6%	3.18	
CURRITUCK												
DARE	34-2598	Dare County/Outer Banks Dialysis Clinic	Nags Head	9	0	0	0	9	19	52.8%	2.11	
DAVIDSON	34-2553	Lexington Dialysis Center (WFU)	Lexington	37	-1	0	0	36	105	70.9%	2.84	
	n/a	Thomasville Dialysis Center *	Thomasville	0	10	0	0	10				
DAVIE												
DUPLIN	34-2535	Southeastern Dialysis Ctr. Kenansville	Kenansville	16	4	0	2	22	69	107.8%	4.31	
	n/a	Total Renal Care	Warsaw	0	14	0	0	14	0	0.0%	0.00	
DURHAM	34-2302	Duke University Hospital ESRD Unit	Durham	16	0	0	0	16	42	65.6%	2.63	
	34-2550	Gambro Healthcare-Durham	Durham	27	0	0	6	33	123	113.9%	4.56	
	34-2616	Gambro Healthcare Durham-West	Durham	20	0	0	0	20	42	52.5%	2.10	
	34-2538	Freedom Lake Dialysis Center	Durham	26	0	0	0	26	89	85.6%	3.42	
	34-2590	West Pettigrew Dialysis Center (FMC)	Durham	21	0	0	0	21	71	84.5%	3.38	
	34-2615	FMC Dialysis Services of Briggs Avenue	Durham	15	0	0	0	15	38	63.3%	2.53	
EDGECOMBE	34-2577	Dialysis Care of Edgecombe Cnty.	Tarboro	20	0	0	0	20	52	65.0%	2.60	
	34-2603	BMA of East Rocky Mount	Rocky Mount	21	0	0	9	30	76	90.5%	3.62	
FORSYTH	34-2304	N. C. Baptist Hospitals, Inc.	Winston-Salem	4	0	0	0	4	1	6.3%	0.25	
	34-2505	Piedmont Dialysis	Winston-Salem	50	0	0	0	50	167	83.5%	3.34	
	34-2612	Northside Dialysis Center (WFU)	Winston-Salem	22	0	3	0	25	22	87	98.9%	3.95
	34-2569	Salem Kidney Center (WFU)	Winston-Salem	64	0	8	0	72	64	213	83.2%	3.33
FRANKLIN	34-2571	Dialysis Care of Franklin County	Louisburg	18	4	0	0	22	18	69	95.8%	3.83
GASTON	34-2513	BMA of Gastonia	Gastonia	39	0	0	0	39	134	85.9%	3.44	
	34-2595	BMA of Kings Mountain	Kings Mountain	16	0	0	0	16	32	50.0%	2.00	
GATES												
GRAHAM												
GRAHAMVILLE	34-2520	FMC Dialysis Serv. Neuse River	Oxford	23	0	0	0	23	77	83.7%	3.35	
GREENE	n/a	Three applications were submitted in response to the July 2002 County Need Determination.						10	10			
GUILFORD	34-2537	BMA of South Greensboro	Greensboro	49	-5	5	0	49	176	89.8%	3.59	
	34-2600	BMA of Southwest Greensboro	Jamestown	20	6	5	0	31	80	100.0%	4.00	
	34-2504	Greensboro Kidney Center (BMA)	Greensboro	64	-25	0	0	39	64	208	81.3%	3.25
	34-2613	Northwest Greensboro Kidney Center (BMA)	Greensboro	15	0	0	0	15	15	57	95.0%	3.80
	n/a	BMA East Greensboro Kidney Center*	Greensboro	0	30	0	0	30				
	34-2514	High Point Kidney Center (WFU)	High Point	42	0	0	0	42	42	140	83.3%	3.33
34-2599	Triad Dialysis Center (WFU)	High Point	13	7	0	0	20	13	48	92.3%	3.69	

\* Proposed new site composed of existing dialysis stations. Utilization of existing stations included with current location shown above.

**Table A: Inventory of Dialysis Stations and Calculation of Utilization Rates**  
(Inventory Compiled 6/25/03; Utilization Rates Calculated for 12/31/02)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 6/25/03					Certified Stations 12/31/02	# In-Center Patients 12/31/02	Utilization Rates	
				Certified	CON Issued /Not Cert.	Decision Rendered	Pending	TOTAL			Percent	Patients per Station
HALIFAX	34-2542	BMA of Roanoke Rapids	Roanoke Rapids	29	0	0	0	0	29	29	79.3%	3.17
	34-2619	FMC Dialysis of Halifax County (BMA)	Halifax	11	0	0	0	0	11	11	47.7%	1.91
HARNETT	34-2557	Dunn Kidney Center (BMA)	Dunn	30	0	0	0	0	30	30	80.0%	3.20
HAYWOOD	n/a	Waynesville Dialysis Center	Waynesville	0	11	0	0	0	11	0	0.0%	0.00
HENDERSON	34-2564	Hendersonville Dialysis Center, Inc.	Hendersonville	20	0	0	0	0	20	20	105.0%	4.20
HERTFORD	34-2570	Gambro Healthcare Ahsokie	Ahsokie	17	0	0	1	18	17	17	92.6%	3.71
HOKE	34-2579	Dialysis Care of Hoke County	Raeford	25	7	0	-10	22	25	25	92.0%	3.68
HYDE								0				
IREDELL	34-2527	Statesville Dialysis Center Inc. (WFU)	Statesville	39	-10	0	0	0	29	39	64.1%	2.56
	n/a	West Iredell Dialysis Center *	Statesville	0	10	0	0	10	0			
	34-2606	Lake Norman Dialysis Center (WFU)	Mooreville	10	8	0	0	18	10	10	112.5%	4.50
JACKSON	34-2556	Sylva Dialysis Center	Sylva	24	0	0	0	0	24	24	54.2%	2.17
JOHNSTON	34-2545	Smithfield Kidney Center (BMA)	Smithfield	13	0	3	0	16	13	13	90.4%	3.62
	34-2572	Johnston Dialysis Center, Inc. (BMA)	Smithfield	17	8	0	0	25	15	15	98.3%	3.93
JONES	34-2625	FMC Dialysis Services of Jones County	Trenton	10	0	0	0	10	10	10	7.5%	0.30
LEE	34-2620	Carolina Dialysis Sanford (UNC) x 34-3500	Sanford	24	0	0	0	24	24	24	116.7%	4.67
LENOIR	34-2518	Kinston Dialysis Unit (BMA Kinston)	Kinston	39	0	0	0	39	39	39	85.3%	3.41
	34-2609	FMC Vernon Dialysis	Kinston	18	0	0	6	24	18	18	91.7%	3.67
LINCOLN	34-2568	BMA of Lincolnton	Lincolnton	17	0	0	0	17	17	17	61.8%	2.47
MCDOWELL								0				
MACON								0				
MADISON								0				
MARTIN	34-2584	Dialysis Care of Martin County	Williamston	23	0	0	0	23	23	23	59.8%	2.39
MECKLENBURG	34-2554	BMA-West Charlotte	Charlotte	19	10	0	0	0	29	19	90.8%	3.63
	34-2581	BMA of Beaties Ford (Metrolina)	Charlotte	26	0	0	0	26	26	26	63.5%	2.54
	34-2549	BMA of North Charlotte	Charlotte	17	0	3	0	20	17	17	95.6%	3.82
	34-2306	Carolina's Medical Center	Charlotte	9	0	0	0	9	9	9	22.2%	0.89
	34-2523	Gambro Healthcare South Charlotte	Matthews	15	0	0	2	17	17	17	116.2%	4.65
	34-2552	Dialysis Care of Charlotte (Meck. Cnty.)	Charlotte	15	0	0	-2	13	15	15	76.7%	3.07
	34-2591	TRC - Mecklenburg/University	Charlotte	20	0	0	-10	10	20	20	71.3%	2.85
	n/a	Sunset Dialysis Center *	Charlotte	0	0	0	12	12	0			
	34-2548	Gambro Healthcare Charlotte	Charlotte	23	0	0	-2	21	31	31	111.3%	4.45
	n/a	Gambro Healthcare Charlotte North*	Charlotte	0	0	0	10	10	0			
	34-2627	Gambro Healthcare Charlotte East *	Charlotte	10	0	0	0	10	0			
	34-2503	BMA of Charlotte	Charlotte	36	0	0	0	36	36	36	88.9%	3.56
	34-2605	BMA of East Charlotte	Charlotte	20	0	0	0	20	20	20	63.8%	2.55
34-2594	BMA of Nations Ford	Charlotte	14	0	0	0	14	14	14	75.0%	3.00	

\* Proposed new site composed of existing dialysis stations. Utilization of existing stations included with current location(s) shown above.

**Table A: Inventory of Dialysis Stations and Calculation of Utilization Rates**  
(Inventory Compiled 6/25/03; Utilization Rates Calculated for 12/31/02)

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				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending			TOTAL	By Percent	Patients per Station
MITCHELL												
MONTGOMERY	34-2583	Dialysis Care of Montgomery County	Troy	12	0	0	0	12	39	81.3%	3.25	
MOORE	34-2555	Dialysis Care of Pinehurst (Moore Cnty.)	Pinehurst	39	-10	0	4	33	39	74.4%	2.97	
	n/a	Southern Pines Dialysis Center *	Southern Pines	0	10	0	0	10				
NASH	34-2517	Rocky Mount Kidney Center (BMA)	Rocky Mount	42	0	0	0	42	42	90.5%	3.62	
	n/a	FMC Dialysis Services of Spring Hope *	Spring Hope	0	10	0	0	10				
NEW HANOVER	34-2511	Southeastern Dialysis Center Inc.	Wilmington	51	6	0	0	57	51	82.4%	3.29	
NORTHAMPTON	34-2586	Rich Square Dialysis Unit (BMA Northampton)	Rich Square	14	0	0	0	14	14	66.1%	2.64	
ONSLow	34-2532	Southeastern Dialysis Ctr. Jacksonville	Jacksonville	35	0	0	0	35	35	76.4%	3.06	
ORANGE	34-2622	Carolina Dialysis Carrboro (UNC) (x 34-3503)	Carrboro	27	9	0	0	36	27	92.6%	3.70	
PAMLICO												
PASQUOTANK	34-2515	Gambro Healthcare Elizabeth City	Elizabeth City	16	0	0	0	16	16	95.3%	3.81	
PENDER	34-2558	Southeastern Dialysis Center Inc.	Burgaw	14	4	0	0	18	14	101.8%	4.07	
PERQUIMANS												
PERSON	34-2562	Gambro Healthcare-Roxboro	Roxboro	20	0	0	0	20	20	82.5%	3.30	
PITT	34-2502	Greenville Dialysis Center (BMA)	Greenville	43	0	0	0	43	43	101.2%	4.05	
	n/a	FMC Dialysis Services of Ayden *	Ayden	0	10	0	0	10				
	34-2596	FMC Dialysis of East Carolina Univ.	Greenville	33	0	0	0	33	33	86.4%	3.45	
POLK												
RANDOLPH	34-2524	Bio-Medical Applications of Asheboro	Asheboro	25	12	0	0	37	25	87.0%	3.48	
RICHMOND	34-2539	Dialysis Care of Richmond County	Hamlet	21	0	0	0	21	21	66.7%	2.67	
ROBESON	34-2528	BMA Lumberton Dialysis	Lumberton	33	0	0	-3	30	27	99	91.7%	3.67
	34-2623	FMC Dialysis Services of Robeson County *	Fairmont	10	0	0	3	13	10	32	80.0%	3.20
	34-2607	BMA of Red Springs	Red Springs	20	0	0	0	20	20	54	67.5%	2.70
	n/a	Dialysis Care of Saint Pauls **	St. Pauls	0	0	0	10	10				
ROCKINGHAM	34-2536	Dialysis Care of Rockingham County	Eden	25	0	0	-10	15	25	82.0%	3.28	
	34-2624	Madison Dialysis Center *	Madison	10	0	0	0	10	10	35.0%	1.40	
	n/a	Reidsville Dialysis Center *	Reidsville	0	0	0	10	10				
	n/a	BMA of Rockingham ***	Reidsville	0	10	0	0	10				
	34-2574	Gambro Healthcare Reidsville	Reidsville	8	0	0	0	8	8	32	100.0%	4.00
ROWAN	34-2546	Dialysis Care of Rowan County	Salisbury	27	0	0	0	27	27	73	67.6%	2.70
	34-2592	TRC - Kannapolis/South Rowan	Kannapolis	20	-10	0	0	10	20	57	71.3%	2.85
RUTHERFORD	34-2566	Dialysis Care of Rutherford County	Forest City	22	0	0	0	22	22	70	79.5%	3.18
SAMPSON	34-2559	BMA of Clinton	Clinton	39	0	0	0	39	39	115	73.7%	2.95

\* Proposed new site composed of existing dialysis stations. Utilization of existing stations included with current location shown above.  
 \*\* Proposed new site composed of existing dialysis stations. Utilization of existing stations is shown with "Dialysis Care of Hoke County" in Hoke County.  
 \*\*\* Proposed new site composed of existing dialysis stations. Utilization of existing stations is shown with "Greensboro Kidney Center" in Guilford County.



**Table A: Inventory of Dialysis Stations and Calculation of Utilization Rates**

(Inventory Compiled 6/25/03; Utilization Rates Calculated for 12/31/02)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 6/25/03				Certified Stations 12/31/02	# In-Center Patients 12/31/02	Utilization Rates		
				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending			TOTAL	By Percent	Patients per Station
SCOTLAND	34-2540	BMA of Laurinburg	Laurinburg	21	5	0	0	26	21	77	91.7%	3.67
STANLY	34-2565	BMA of Albemarle	Albemarle	16	2	0	0	18	16	54	84.4%	3.38
STOKES	n/a	King Dialysis Center	King	0	11	0	0	11				
SURRY	34-2551	Mt. Airy Dialysis Center (WFU)	Mt. Airy	16	0	0	0	16	16	62	96.9%	3.88
	34-2614	Elkin Dialysis Center (WFU)	Elkin	10	0	6	0	16	10	42	105.0%	4.20
SWAIN	34-2602	Cherokee Dialysis Center	Cherokee	14	0	0	0	14	14	39	69.6%	2.79
TRANSYLVANIA												
TYRRELL												
UNION	34-2525	Metroline Kidney Center (BMA Monroe)	Monroe	21	0	0	0	21	21	62	73.8%	2.95
	34-2526	Gambro Healthcare Union County	Monroe	21	0	0	3	24	21	91	108.3%	4.33
VANCE	34-2543	Gambro Healthcare-Henderson	Henderson	33	-15	0	0	18	33	140	106.1%	4.24
	n/a	Gambro Healthcare-Henderson West *	Henderson	0	17	0	0	17				
WAKE	34-2544	Cary Kidney Center (BMA)	Cary	24	0	0	0	24	24	72	75.0%	3.00
	34-2512	Raleigh Clinic Dialysis (BMA)	Raleigh	43	-10	0	0	33	43	179	104.1%	4.16
	n/a	FMC Capital City Dialysis Center *	Raleigh	0	20	0	0	20				
	34-2608	BMA of Fuquay Varina	Fuquay-Varina	12	0	0	4	16	12	47	97.9%	3.92
	34-2589	Zebulon Kidney Center (BMA)	Zebulon	13	0	6	0	19	13	45	86.5%	3.46
	34-2522	Wake Dialysis Clinic	Raleigh	48	-5	0	0	43	48	185	96.4%	3.85
	n/a	BMA of Southwest Wake *	Raleigh	0	15	0	0	15				
WARREN	34-2610	FMC Dialysis Services of Warren Hills	Warrenton	10	0	0	0	10	10	26	65.0%	2.60
WASHINGTON	34-2618	FMC Dialysis Services of Plymouth (BMA)	Plymouth	11	0	0	0	11	11	30	68.2%	2.73
WATAUGA	34-2311	Watauga Kidney Dialysis Center	Boone	10	0	0	0	10	10	35	87.5%	3.50
WAYNE	34-2531	Gambro Healthcare-Goldsboro	Goldsboro	25	0	0	0	25	25	92	92.0%	3.68
	34-2587	Gambro Healthcare-Goldsboro South	Goldsboro	16	5	0	0	21	16	61	95.3%	3.81
	34-2573	Gambro Healthcare-Mount Olive	Mount Olive	11	0	0	0	11	11	43	97.7%	3.91
	34-2576	Dialysis Care of Wayne County	Goldsboro	11	0	0	0	11	11	28	63.6%	2.55
WILKES	34-2313	Wilkes Regional Dialysis Center	N. Wilkesboro	10	0	0	0	10	10	35	87.5%	3.50
WILSON	34-2507	Gambro Healthcare-Wilson	Wilson	40	-10	0	6	36	40	151	94.4%	3.78
	n/a	Gambro Healthcare-Forest Hills *	Forest Hills	0	10	0	0	10				
YADKIN												
YANCEY												
STATE TOTALS				2,941	214	39	61	3,255	2,905	9,607		

\* Proposed new site composed of existing dialysis stations. Utilization of existing stations included with current location shown above.

Table B: ESRD Dialysis Station Need Determinations by County

COUNTY	12/31/1998	12/31/1999	12/31/2000	12/31/2001	12/31/2002	Average Annual Change Rate for Past Five Years	Projected 12/31/2003 Total Patients	12/31/2002 Home Patients	12/31/2002 % Home Patients	Projected 12/31/2003 Home Patients	Projected 12/31/2003 In-Center Patients	Projected 12/31/03 In-Center Station Utilization	Total Available Stations	Projected Station Deficit or Surplus	County Station Need Determination
Alamance	139	150	166	179	177	0.063	188.2	188.2	9	5.1%	0.5	187.7	59	Surplus of 3	0
Alexander	21	18	22	23	23	0.031	23.7	23.7	7	30.4%	7.2	16.5	5	5	0
Alleghany	5	6	9	7	9	0.191	10.7	10.7	0	0.0%	0.0	10.7	3	3	0
Anson	45	41	53	57	67	0.114	74.6	74.6	5	7.5%	5.6	69.0	22	13	0
Ashe	12	11	11	8	12	0.036	12.4	12.4	3	25.0%	3.1	9.3	3	3	0
Avery	7	8	9	13	12	0.159	13.9	13.9	6	50.0%	7.0	7.0	2	2	0
Beaufort	68	73	90	82	84	0.060	89.1	89.1	12	14.3%	12.7	76.4	24	Surplus of 1	0
Berlie	50	49	52	50	56	0.031	57.7	57.7	2	3.6%	2.1	55.7	17	1	0
Bladen	42	44	55	60	65	0.118	72.7	72.7	6	9.2%	6.7	66.0	21	4	0
Brunswick	56	62	70	66	63	0.033	65.1	65.1	11	17.5%	11.4	53.7	17	6	0
Buncombe	163	167	181	196	211	0.067	225.1	225.1	23	10.9%	24.5	200.6	63	Surplus of 3	0
Burke	63	70	83	78	77	0.056	81.3	81.3	12	15.6%	12.7	68.6	21	Surplus of 4	0
Cabarrus	108	143	152	152	142	0.080	153.4	153.4	13	9.2%	14.0	139.4	44	4	0
Caldwell	91	89	98	100	109	0.047	114.2	114.2	15	13.8%	15.7	98.5	31	2	0
Camden	11	11	11	15	15	0.091	16.4	16.4	5	33.3%	5.5	10.9	3	3	0
Carteret	37	29	35	45	49	0.091	53.5	53.5	0	0.0%	0.0	53.5	17	Surplus of 3	0
Caswell	35	40	34	29	33	-0.004	32.9	32.9	4	12.1%	4.0	28.9	9	Surplus of 1	0
Catawba	113	130	134	128	129	0.036	133.7	133.7	24	18.6%	24.9	108.8	34	Surplus of 9	0
Chatham	58	49	53	54	52	-0.023	50.8	50.8	4	7.7%	3.9	46.9	15	Surplus of 4	0
Cherokee	11	12	13	10	13	0.061	13.8	13.8	2	15.4%	2.1	11.7	4	4	0
Chowan	37	33	35	29	29	-0.055	27.4	27.4	2	6.9%	1.9	25.5	8	Surplus of 9	0
Clay	6	8	6	7	9	0.134	10.2	10.2	0	0.0%	0.0	10.2	3	3	0
Cleveland	114	133	147	151	145	0.065	154.4	154.4	18	12.4%	19.2	135.2	42	1	0
Columbus	88	86	104	101	103	0.044	107.6	107.6	6	5.8%	6.3	101.3	32	1	0
Craven	122	143	145	153	146	0.049	153.1	153.1	2	1.4%	2.1	151.0	47	Surplus of 21	0
Cumberland	330	323	382	406	408	0.057	431.4	431.4	50	12.3%	52.9	378.5	118	Surplus of 1	0
Currituck	6	8	7	11	15	0.286	19.3	19.3	3	20.0%	3.9	15.4	5	5	0
Dare	15	25	20	17	19	0.109	21.1	21.1	3	15.8%	3.3	17.7	6	Surplus of 3	0
Davidson	100	115	130	153	136	0.087	147.8	147.8	15	11.0%	16.3	131.5	41	Surplus of 5	0
Davie	16	16	19	23	26	0.132	29.4	29.4	6	23.1%	6.8	22.6	7	7	0
Duplin	88	88	104	118	124	0.092	135.4	135.4	7	5.6%	7.6	127.7	40	4	0
Durham	301	333	378	391	409	0.080	441.9	441.9	23	5.6%	24.9	417.1	130	Surplus of 1	0
Edgecombe	108	107	121	144	166	0.116	185.3	185.3	10	6.0%	11.2	174.1	54	4	0
Forsyth	407	412	442	460	482	0.043	502.9	502.9	46	9.5%	48.0	454.9	142	Surplus of 9	0
Franklin	56	65	61	69	77	0.087	83.7	83.7	1	1.3%	1.1	82.6	26	4	0
Gaston	164	189	182	182	194	0.045	202.8	202.8	23	11.9%	24.0	178.8	56	1	0
Gates	14	12	17	21	24	0.163	27.9	27.9	1	4.2%	1.2	26.7	8	8	0
Graham	9	7	9	12	9	0.037	9.3	9.3	0	0.0%	0.0	9.3	3	3	0

Table B: ESRD Dialysis Station Need Determinations by County

COUNTY	12/31/1998	12/31/1999	12/31/2000	12/31/2001	12/31/2002	Average Annual Change Rate for Past Five Years	Projected 12/31/2003 Total Patients	12/31/2002 Home Patients	12/31/2002 % Home Patients	Projected 12/31/2003 Home Patients	Projected 12/31/2003 In-Center Patients	Projected 12/31/03 In-Center Station Utilization	Total Available Stations	Projected Station Deficit or Surplus	County Station Need Determination
Granville	75	76	74	85	92	0.055	97.0	8	8.7%	8.4	88.6	28	23	5	0
Greene	21	24	23	33	38	0.172	44.5	4	10.5%	4.7	39.8	12	10	2	0
Guilford	491	529	580	621	692	0.090	754.1	44	6.4%	47.9	706.1	221	226	Surplus of 5	0
Hallifax	108	110	116	115	129	0.047	135.0	9	7.0%	9.4	125.6	39	40	Surplus of 1	0
Harnett	83	84	98	103	107	0.067	114.2	11	10.3%	11.7	102.4	32	30	2	0
Haywood	30	25	41	41	45	0.143	51.4	9	20.0%	10.3	41.1	13	11	2	0
Henderson	48	50	53	62	71	0.104	78.4	10	14.1%	11.0	67.4	21	20	1	0
Hertford	36	49	45	58	62	0.159	71.9	4	6.5%	4.6	67.2	21	18	3	0
Hoke	61	58	63	65	66	0.021	67.4	4	6.1%	4.1	63.3	20	22	Surplus of 2	0
Hyde	8	7	10	14	13	0.158	15.1	0	0.0%	0.0	15.1	5	0	5	0
Iredell	124	140	149	161	140	0.036	145.0	18	12.9%	18.6	126.4	39	57	Surplus of 18	0
Jackson	26	15	17	20	13	-0.116	11.5	1	7.7%	0.9	10.6	3	24	Surplus of 21	0
Johnston	103	110	122	138	155	0.108	171.7	9	5.8%	10.0	161.7	51	41	10	10
Jones	19	26	20	23	24	0.083	26.0	0	0.0%	0.0	26.0	8	10	Surplus of 2	0
Lee	96	100	99	96	100	0.011	101.1	13	13.0%	13.1	87.9	27	24	3	0
Lenoir	137	155	170	179	190	0.086	206.3	9	4.7%	9.8	196.5	61	63	Surplus of 2	0
Lincoln	34	34	33	39	38	0.032	39.2	5	13.2%	5.2	34.0	11	17	Surplus of 6	0
Macon	15	13	17	12	15	0.033	15.5	6	40.0%	6.2	9.3	3	0	3	0
Madison	10	4	7	7	12	0.216	14.6	2	16.7%	2.4	12.2	4	0	4	0
Martin	52	66	68	77	76	0.105	84.0	10	13.2%	11.0	72.9	23	23	0	0
McDowell	26	25	28	23	31	0.063	32.9	5	16.1%	5.3	27.6	9	0	9	0
Mecklenburg	625	605	702	742	813	0.070	870.1	79	9.7%	84.5	785.6	245	247	Surplus of 2	0
Mitchell	6	10	9	12	7	0.121	7.8	2	28.6%	2.2	5.6	2	0	2	0
Montgomery	50	40	42	40	37	-0.068	34.5	1	2.7%	0.9	33.5	10	12	Surplus of 2	0
Moore	84	97	117	115	112	0.079	120.9	4	3.6%	4.3	116.6	36	43	Surplus of 7	0
Nash	108	117	123	131	139	0.065	148.1	9	6.5%	9.6	138.5	43	52	Surplus of 9	0
New Hanover	150	155	140	149	154	0.009	155.3	10	6.5%	10.1	145.2	45	57	Surplus of 12	0
Northampton	51	52	58	59	64	0.059	67.8	4	6.3%	4.2	63.6	20	14	6	0
Onslow	97	101	108	110	105	0.021	107.2	8	7.6%	8.2	99.0	31	35	Surplus of 4	0
Orange	78	76	85	109	103	0.080	111.2	4	3.9%	4.3	106.9	33	36	Surplus of 3	0
Pamlico	16	19	16	14	14	-0.024	13.7	0	0.0%	0.0	13.7	4	0	4	0
Pasquotank	49	50	46	54	54	0.029	55.5	10	18.5%	10.3	45.3	14	16	Surplus of 2	0
Pender	52	53	61	63	62	0.047	64.9	7	11.3%	7.3	57.6	18	18	0	0
Perquimans	13	12	13	12	12	-0.018	11.8	2	16.7%	2.0	9.8	3	0	3	0
Person	59	60	69	69	76	0.067	81.1	3	3.9%	3.2	77.9	24	20	4	0
Pitt	188	204	206	241	262	0.088	285.1	26	9.9%	28.3	256.8	80	86	Surplus of 6	0
Polk	13	14	18	17	13	0.018	13.2	4	30.8%	4.1	9.2	3	0	3	0
Randolph	76	73	101	104	111	0.110	123.2	6	5.4%	6.7	116.6	36	37	Surplus of 1	0

Table B: ESRD Dialysis Station Need Determinations by County

COUNTY	12/31/1998	12/31/1999	12/31/2000	12/31/2001	12/31/2002	Average Annual Change Rate for Past Five Years	Projected 12/31/2003 Total Patients	12/31/2002 Home Patients	% Home Patients	Projected 12/31/2003 Home Patients	Projected 12/31/2003 In-Center Patients	Projected 12/31/03 In-Center Station Utilization	Total Available Stations	Projected Station Deficit or Surplus	County Station Need Determination
Richmond	76	75	69	76	75	-0.001	74.9	6	8.0%	6.0	68.9	22	21	1	0
Robeson	191	201	223	255	267	0.088	290.5	21	7.9%	22.8	267.7	84	73	11	0*
Rockingham	128	139	152	144	156	0.057	164.9	10	6.4%	10.6	154.3	48	53	Surplus of 5	0
Rowan	125	118	131	129	119	-0.010	117.9	25	21.0%	24.8	93.1	29	37	Surplus of 8	0
Rutherford	60	57	67	69	68	0.035	70.4	3	4.4%	3.1	67.3	21	22	Surplus of 1	0
Sampson	104	107	108	114	118	0.032	121.8	9	7.6%	9.3	112.5	35	39	Surplus of 4	0
Scotland	41	44	50	61	63	0.116	70.3	3	4.8%	3.3	66.9	21	26	Surplus of 5	0
Stanly	44	44	50	59	57	0.071	61.0	7	12.3%	7.5	53.5	17	18	Surplus of 1	0
Stokes	17	24	27	33	36	0.212	43.6	6	16.7%	7.3	36.4	11	11	0	0
Surry	62	59	51	62	73	0.052	76.8	10	13.7%	10.5	66.3	21	32	Surplus of 11	0
Swain	26	3	29	44	37	2.035	112.3	7	18.9%	21.2	91.1	28	14	14	0*
Transylvania	17	20	22	26	22	0.076	23.7	3	13.6%	3.2	20.4	6	0	6	0
Tyrrell	1	5	3	2	3	0.942	5.8	0	0.0%	0.0	5.8	2	0	2	0
Union	91	88	100	105	121	0.076	130.2	14	11.6%	15.1	115.2	36	45	Surplus of 9	0
Vance	101	108	112	120	126	0.057	133.2	5	4.0%	5.3	127.9	40	35	5	0
Wake	438	471	509	557	621	0.091	677.7	93	15.0%	101.5	576.2	180	170	10	0*
Warren	24	32	34	38	42	0.155	48.5	0	0.0%	0.0	48.5	15	10	5	0
Washington	27	30	35	32	34	0.064	36.2	4	11.8%	4.3	31.9	10	11	Surplus of 1	0
Watauga	15	18	21	17	26	0.176	30.6	3	11.5%	3.5	27.1	8	10	Surplus of 2	0
Wayne	230	226	226	239	220	-0.010	217.8	21	9.5%	20.8	197.0	62	68	Surplus of 6	0
Wilkes	31	36	40	46	53	0.144	60.6	8	15.1%	9.1	51.5	16	10	6	0
Wilson	125	124	137	157	160	0.065	170.5	20	12.5%	21.3	149.2	47	46	1	0
Yadkin	12	18	22	19	26	0.239	32.2	4	15.4%	5.0	27.2	9	0	9	0
Yancey	12	12	9	8	13	0.066	13.9	3	23.1%	3.2	10.7	3	0	3	0
Unknowns	166	47	30	0	0			0							
State Totals	8,596	8,849	9,644	10,225	10,702			1,024	0						10

\* Pursuant to 10A NCAC 14B .0330(b)(1)(E), the need determination is zero because a facility in this county was operating below 80% utilization (see "Utilization Rates" in Table A).



**Table C: Need Determinations for New Dialysis Stations by County**  
(Based on the "County Need" Methodology -- July, 2003)

County	HSA	Number of New Dialysis Stations Needed	Certificate of Need Application Due Date *	Certificate of Need Beginning Review Date
Johnston	IV	10	September 15, 2003	October 1, 2003

\* Application Due Dates are absolute deadlines. The filing deadline is 5:00 p.m. on the Application Due Date. The filing deadline is absolute.

