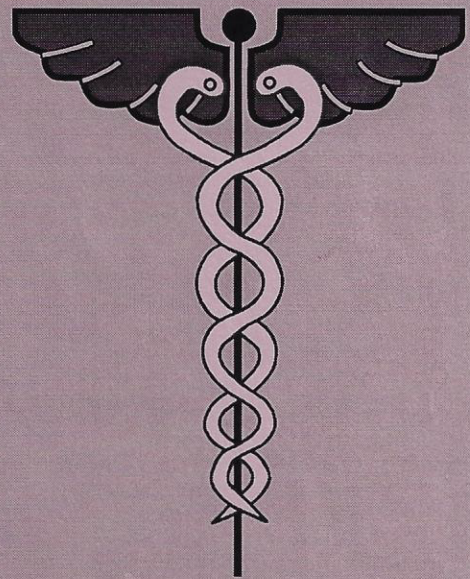


September 1997 Semiannual Dialysis Report for North Carolina



North Carolina State Health Coordinating Council
Medical Facilities Planning Section
Division of Facility Services
North Carolina Department of Health and Human Services



END-STAGE RENAL DISEASE DIALYSIS FACILITIES

September 1997 Semiannual Dialysis Report

Introduction

The 1997 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 March and September. The 1997 Plan specifies that the Semiannual Dialysis Reports "...will use facility, station and active patient data provided as of December 31, 1996 for the March SDR and as of June 30, 1997 for the September SDR. This document is the September 1997 SDR. It reiterates the methodology and presents need determinations for the second dialysis review period of 1997.

Summary of Dialysis Station Supply and Utilization

As of September 15, 1997, there were ninety-seven End-Stage Renal Disease (ESRD) dialysis facilities certified and operating in North Carolina, providing a total of 1934 dialysis stations. Thirteen new facilities and twenty-seven requests for expansion were under consideration, but the stations involved were not yet Medicare certified, unless those stations were being transferred from an existing certified facility. Ten requests for reduction (*i.e., transfer of stations to other locations*) were also under consideration. The number of facilities per county ranged from zero to ten.

Utilization data as of June 30, 1997 are presented in the final two columns of Table A. Of the ninety-seven certified facilities operational on that date, sixty-three were at or above 80% utilization (*i.e., greater than or equal to 3.2 patients per station*).

Sources of Data

Inventory Data:

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

Dialysis Patient Data:

Data on the dialysis population by county and by facility as of June 30, 1997 were provided by the Health Care Financing Administration (HCFA) 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 June 30, 1997 were provided by the SEKC on September 15, 1997. The SEKC noted that these figures are preliminary and are not validated. Final figures are not available

SEP 22 1997

until December. County totals from the SEKC were supplemented by data from the Mid-Atlantic Renal Coalition on August 26, 1997 indicating the number of patients residing in North Carolina counties and receiving dialysis in Virginia. Data for December 31st of 1992, 1993, 1994, 1995 and 1996 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 June 30, 1997 regardless of the county or state of each patient's residence. These figures were provided by the SEKC on September 12, 1997. The totals are not considered final until after the annual data validation.

Method for Projecting New Dialysis Station Need

The 1997 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 1997 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) 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. Up-dated 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. Up-dates 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 up-dated 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 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

SEP 22 1997

this treatment. New enrollees should meet with and have access to a transplantation representative to provide patient education and evaluation for transplantation.

Methodology:

Need for new dialysis stations shall be determined as follows:

(1) County Need

- (A) The average annual rate (%) of change in total number of dialysis patients resident in each county from the end of 1992 to the end of 1996 is multiplied by the county's June 30, 1997 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 June 30, 1998 patients.
- (B) The percent of each county's total patients who were home dialysis patients on June 30, 1997 is multiplied by the county's projected total June 30, 1998 patients, and the product is subtracted from the county's projected total June 30, 1998 patients. The remainder is the county's projected June 30, 1998 in-center dialysis patients.
- (C) The projected number of each county's June 30, 1998 in-center patients is divided by 3.2. The quotient is the projection of the county's June 30, 1998 in-center dialysis stations (*i.e., the projected in-center station utilization*).
- (D) From each county's projected number of June 30, 1998 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 determination in previous State Medical Facilities Plans or Semiannual Dialysis Reports for which CON decisions have not been made. The remainder is the county's June 30, 1998 projected station surplus or deficit.
- (E) If a county's June 30, 1998 projected station deficit is 10 or greater and the SDR shows that utilization of each dialysis facility in the county is 80% or greater, the June 30, 1998 county station need determination is the same as the June 30, 1998 projected station deficit. If a county's June 30, 1998 projected station deficit is less than 10 or if the utilization of any dialysis facility in the county is less than 80%, the county's June 30, 1998 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 reference 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 (*as shown in Table A*).

- (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 SDR (SDR_1) is subtracted from the number of in-center dialysis patients reported in the current SDR (SDR_2). The difference is multiplied by 2 to project the net in-center change for one year. Divide the projected net in-center change for the year by the number of in-center patients from SDR_1 to determine the projected annual growth rate.
 - (ii) The quotient from Subpart (2)(B)(i) is divided by 12.
 - (iii) The quotient from Subpart (2)(B)(ii) is multiplied by the number of months from the most recent month reported in the current SDR until the end of calendar 1997.
 - (iv) The product from Subpart (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 Subpart (2)(B)(iv) is divided by 3.2, and from the quotient is subtracted the facility's current number of certified and pending stations as recorded in the current SDR. The remainder is the number of stations needed.

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

- (C) The facility may apply to expand to meet the need established in Subpart (2)(B)(v), up to a maximum of ten stations.

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 shall be accepted only if it demonstrates a need by utilizing one of the methods of determining need outlined in the State Medical Facilities Plan.

Timeline:

The schedule for publication of the September 1997 Semiannual Dialysis Report for North Carolina and for receipt of certificate of applications pursuant to this report shall be as follows:

<i>Data for Period Ending</i>	<i>Receipt of SEKC Report</i>	<i>Publication of SDR</i>	<i>Receipt of CON Applications</i>	<i>Beginning Review Dates</i>
June 30, 1997	Aug. 29, 1997	Sept. 19, 1997	Nov. 14, 1997	Dec. 1, 1997

SEP 22 1997

Table A: Inventory of Dialysis Stations and Calculation of Utilization Rates
(Inventory Compiled 9/15/97; Utilization Rates Calculated for 6/30/97)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 9/15/97					Certified Stations 6/30/97	# In-Center Patients 6/30/97	Utilization Rate	
				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending	TOTAL			By Percent	Patients per Station
ALAMANCE	34-2533	BMA of Burlington	Burlington	22	0	0	0	22	22	72	81.8%	3.27
	34-2567	Renal Treatment Center-Burlington	Burlington	13	0	0	0	13	13	55	105.8%	4.23
ALEXANDER								0				
ALLEGHANY								0				
ANSON	34-2560	Dialysis Care of Anson County	Wadesboro	8	0	0	0	8	8	16	50.0%	2.00
ASHE								0				
AVERY								0				
BEAUFORT	34-2561	BMA of Pamlico	Washington	17	0	0	0	17	17	52	76.5%	3.06
BERTIE	34-2547	Windsor Dialysis Unit (BMA)	Windsor	16	0	0	0	16	16	49	76.6%	3.06
BLADEN	34-2578	Southeastern Dialysis Center, Inc.	Elizabethtown	8	0	0	5	13	8	31	96.9%	3.88
BRUNSWICK	34-2582	Southeastern Dialysis Center, Inc.	Shalotte	11	0	0	0	11	11	36	81.8%	3.27
BUNCOMBE	34-2506	Asheville Kidney Center	Asheville	28	8	0	0	36	28	138	123.2%	4.93
	34-2300	Memorial Mission Hospital ESRD Center	Asheville	4	0	0	0	4	4	4	25.0%	1.00
BURKE	34-2563	BMA of Burke County	Morganton	15	0	0	0	15	15	51	85.0%	3.40
CABARRUS	34-2519	Metrolina Kidney Center (BMA-Concord)	Concord	28	0	0	0	28	28	84	75.0%	3.00
	34-2312	NorthEast Medical Center	Concord	1	0	0	0	1	1	0	0.0%	0.00
CALDWELL	34-2509	BMA-Lenoir (Northwestern Dialysis)	Lenoir	20	0	0	0	20	18	61	84.7%	3.39
CAMDEN								0				
CARTERET	34-2588	Crystal Coast Dialysis Unit (BMA)	Morehead City	6	0	0	0	6	6	21	87.5%	3.50
CASWELL	n/a	Carolina Dialysis Center--Caswell	Yanceyville	0	10	0	0	10	0	0	0%	0.00
CATAWBA	34-2516	BMA-Hickory (Northwestern Dialysis)	Hickory	22	6	0	0	28	22	88	100.0%	4.00
CHATHAM	34-2314	Carolina Dialysis Siler City	Siler City	9	0	0	0	9	9	31	86.1%	3.44
CHEROKEE								0				
CHOWAN	34-2541	Gambro Healthcare Edenton	Edenton	13	0	0	0	13	13	40	76.9%	3.08
CLAY								0				
CLEVELAND	34-2529	Dialysis Clinic, Inc. (DIC Shelby)	Shelby	22	0	0	0	22	22	66	75.0%	3.00
COLUMBUS	34-2521	Southeastern Dialysis Center	Whiteville	14	4	0	0	18	14	55	98.2%	3.93
CRAVEN	34-2534	New Bern Dialysis Unit (BMA)	New Bern	36	0	0	0	36	36	98	68.1%	2.72
	34-2585	Dialysis Care of Craven County	New Bern	14	0	0	0	14	14	17	30.4%	1.21

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				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending	TOTAL			By Percent	Patients per Station
CUMBERLAND	34-2510	Fayetteville Kidney Center Inc. (BMA)	Fayetteville	60	-14	0	13	59	60	258	107.5%	4.30
	n/a	BMA of Cape Fear *	Fayetteville	0	20	0	0	20				
CURRITUCK								0				
DAFE	n/a	Outer Banks Dialysis Clinic	Nags Head	0	4	0	0	4	0	0	0.0%	0.00
DAVIDSON	34-2553	Lexington Dialysis Center	Lexington	29	0	0	0	29	29	73	62.9%	2.52
DAVE								0				
DUFLIN	34-2535	Southeastern Dialysis Ctr. Kenansville	Kenansville	13	2	0	0	15	13	44	84.6%	3.38
DURHAM	34-2302	Duke University Hospital ESRD Unit	Durham	16	0	0	0	16	16	52	81.3%	3.25
	34-2550	Gambro Healthcare-Durham	Durham	27	0	0	10	37	27	112	103.7%	4.15
	34-2538	Freedom Lake Dialysis Center	Durham	19	0	0	0	19	19	64	84.2%	3.37
	34-2590	West Pettigrew Dialysis Center	Durham	15	0	0	3	18	15	54	90.0%	3.60
EDGECOMBE	34-2577	Dialysis Care of Edgecombe Cnty.	Tarboro	15	0	0	0	15	15	28	46.7%	1.87
	n/a	BMA of East Rocky Mount **	Rocky Mount	0	0	0	15	15				
FORSYTH	34-2304	N. C. Baptist Hospital, Inc.	Winston-Salem	8	0	0	0	8	8	2	6.3%	0.25
	34-2505	Piedmont Dialysis	Winston-Salem	72	0	0	0	72	72	200	69.4%	2.78
	34-2569	Salem Kidney Center	Winston-Salem	48	0	0	0	48	48	155	80.7%	3.23
FRANKLIN	34-2571	Dialysis Care of Franklin County	Louisburg	16	0	0	0	16	16	49	76.6%	3.06
GASTON	34-2513	BMA of Lowell (BMA-Gaston Cnty.)	Gastonia	36	0	0	-10	26	36	114	79.2%	3.17
	n/a	BMA of Kings Mountain *	Kings Mountain	0	0	0	10	10				
GATES								0				
GRAHAM								0				
GRANVILLE	34-2520	Neuse River Dialysis Center (Oxford)	Creedmoor	18	0	0	0	18	12	50	104.2%	4.17
GRENE								0				
GUILFORD	34-2537	BMA of South Greensboro	Greensboro	40	0	0	-15	25	40	147	91.9%	3.68
	n/a	BMA of Southwest Greensboro *	Greensboro	0	0	0	15	15				
	34-2504	Greensboro Kidney Center (BMA)	Greensboro	59	0	10	0	69	59	201	85.2%	3.41
	34-2514	High Point Kidney Center	High Point	26	0	8	0	34	26	97	93.3%	3.73
HALFAX	34-2542	Roanoke Rapids Dialysis Center (BMA)	Roanoke Rapids	21	0	0	0	21	21	57	67.9%	2.71
HARVETT	34-2557	Dunn Kidney Center (BMA)	Dunn	20	0	0	0	20	20	86	107.5%	4.30
HAYWOOD								0				
HENDERSON	34-2564	Hendersonville Dialysis Center, Inc.	Hendersonville	10	0	0	0	10	10	39	97.5%	3.90
HERTFORD	34-2570	Gambro Healthcare Ahoskie	Ahoskie	12	0	0	0	12	12	40	83.3%	3.33

* 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 included with current location in Nash County.

SEP 22 1997

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(Inventory Compiled 9/15/97; Utilization Rates Calculated for 6/30/97)

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				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending	TOTAL			By Percent	Patients per Station
HOKE	34-2579	Dialysis Care of Hoke County	Raeford	15	0	0	0	15	15	47	78.3%	3.13
HYDE								0				
IREDELL	34-2527	Statesville Dialysis Center Inc	Statesville	32	0	0	0	32	32	104	81.3%	3.25
JACKSON	34-2556	Sylva Dialysis Center	Sylva	19	0	0	0	19	19	74	97.4%	3.89
JOHNSTON	34-2545	Smithfield Kidney Center (BMA)	Smithfield	10	0	0	0	10	10	32	80.0%	3.20
	34-2572	Johnston Dialysis Center, Inc.	Smithfield	10	0	0	0	10	10	47	117.5%	4.70
JONES								0				
LEE	34-3500	Carolina Dialysis Sanford (UNC/Renal)	Sanford	16	6	0	0	22	16	77	120.3%	4.81
LENOIR	34-2518	Kinston Dialysis Unit (BMA)	Kinston	34	0	0	2	36	34	126	92.6%	3.71
LINCOLN	34-2568	BMA of Lincolnton	Lincolnton	11	0	0	0	11	11	39	88.6%	3.55
MCDOWELL								0				
MACON								0				
MADISON								0				
MARTIN	34-2584	Dialysis Care of Martin County	Williamston	9	0	9	0	18	9	38	105.6%	4.22
MECKLENBURG	34-2554	BMA-West Charlotte	Charlotte	10	0	0	0	10	10	38	95.0%	3.80
	34-2581	BMA of Beatties Ford (Metrolina)	Charlotte	12	4	0	0	16	12	43	89.6%	3.58
	34-2549	BMA of North Charlotte	Charlotte	14	0	-4	0	10	14	52	92.9%	3.71
	34-2306	Carolina's Medical Center	Charlotte	9	0	0	0	9	9	0	0.0%	0.00
	34-2523	Gambro Healthcare South Charlotte	Matthews	12	0	0	0	12	12	20	41.7%	1.67
	34-2552	Dialysis Care of Charlotte (Meck. Cnty.)	Charlotte	20	-10	0	0	10	20	69	86.3%	3.45
	n/a	DCNC-Charlotte North Campus *	Charlotte	0	10	0	0	10				
	34-2548	Gambro Healthcare Charlotte	Charlotte	21	0	0	0	21	19	91	119.7%	4.79
	34-2503	BMA of Charlotte (Metrolina-Charlotte)	Charlotte	37	0	-6	0	31	37	126	85.1%	3.41
	n/a	BMA of East Charlotte *	Charlotte	0	0	10	0	10				
	34-2309	Presbyterian Hospital	Charlotte	2	0	0	0	2	2	0	0.0%	0.00
MITCHELL								0				
MONTGOMERY	34-2583	Dialysis Care of Montgomery County	Troy	8	0	0	0	8	6	20	83.3%	3.33
MOORE	34-2555	Dialysis Care of Pinehurst (Moore Cnty.)	Pinehurst	25	0	0	0	25	19	70	92.1%	3.68
NASH	34-2517	Rocky Mount Kidney Center (BMA)	Rocky Mount	41	0	0	-15	26	41	148	90.2%	3.61
NEW HANDVER	34-2511	Southeastern Dialysis Center Inc.	Wilmington	41	-8	0	0	33	41	152	92.7%	3.71
	n/a	Cape Fear Center (Southeastern Dialysis) *	Wilmington	0	18	0	0	18				
NORTHAMPTON	34-2586	BMA of Rich Square (Northampton Co.)	Rich Square	10	0	0	0	10	10	28	70.0%	2.80
ONslow	34-2532	Southeastern Dialysis Ctr. Jacksonville	Jacksonville	18	0	6	0	24	18	77	106.9%	4.28

* 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 9/15/97; Utilization Rates Calculated for 6/30/97)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 9/15/97					Certified Stations 6/30/97	# In-Center Patients 6/30/97	Utilization Rate	
				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending	TOTAL			By Percent	Patients per Station
ORANGE	34-2305	UNC Hospitals (Carolina Dia. Carrboro)	Chapel Hill	25	0	2	0	27	23	74	80.4%	3.22
PAMLICO								0				
PASQUOTANK	34-2515	Gambro Healthcare Elizabeth City	Elizabeth City	16	0	0	0	16	16	61	95.3%	3.81
PENDER	34-2558	Southeastern Dialysis Center Inc.	Burgaw	13	0	0	0	13	13	35	67.3%	2.69
PERQUIMANS								0				
PERSON	34-2562	Gambro Healthcare-Roxboro	Roxboro	11	0	0	0	11	11	48	109.1%	4.36
PITT	34-2502	Greenville Dialysis Center (BMA)	Greenville	50	-25	3	9	37	50	177	88.5%	3.54
	n/a	BMA of East Carolina University *	Greenville	0	25	0	0	25				
	34-2303	Pitt County Memorial Hospital	Greenville	6	0	0	0	6	6	4	16.7%	0.67
POLK	n/a	Vivra Renal Care of Polk County	Columbus	0	11	0	0	11	0	0	0.0%	0.00
RANDOLPH	34-2524	Bio-Medical Applications of Asheboro	Asheboro	21	0	0	0	21	21	62	73.8%	2.95
RICHMOND	34-2539	Dialysis Care of Hamlet (Richmond Cnty.)	Hamlet	14	0	7	0	21	14	50	89.3%	3.57
ROBESON	34-2528	Lumberton Dialysis Unit (BMA)	Lumberton	40	0	0	0	40	40	133	83.1%	3.33
ROCKINGHAM	34-2536	Dialysis Care of Rockingham County	Eden	18	0	0	0	18	18	50	69.4%	2.78
	34-2574	Gambro Healthcare Reidsville	Reidsville	8	0	0	0	8	8	19	59.4%	2.38
ROWAN	34-2546	Dialysis Care of Salisbury (Rowan Co.)	Salisbury	37	-10	0	0	27	37	68	45.9%	1.84
	n/a	Dialysis Care of Rowan County *	Kannapolis	0	10	0	0	10				
RUTHERFORD	34-2566	Dialysis Care of Rutherford County	Forest City	14	0	0	0	14	14	39	69.6%	2.79
SAMPSON	34-2559	BMA of Clinton	Clinton	28	0	0	0	28	21	83	98.8%	3.95
SCOTLAND	34-2540	Laurinburg Dialysis Center (BMA of)	Laurinburg	15	0	0	5	20	15	60	100.0%	4.00
STANLY	34-2565	Metrolina of Albemarle (BMA Albemarle)	Albemarle	8	0	0	2	10	8	33	103.1%	4.13
STOKES								0				
SURRY	34-2551	Mt. Airy Dialysis Center	Mt. Airy	18	5	0	0	23	18	59	81.9%	3.28
SWAN	n/a	<i>(One applicant for the March, 1997 County Need Determination)</i>					14	14	0	0	0.0%	0.00
TRANSYLVANIA								0				
TYRRELL								0				
UNION	34-2525	Metrolina Kidney Center (Monroe)	Monroe	12	0	0	0	12	12	29	60.4%	2.42
	34-2526	Gambro Healthcare Monroe	Monroe	12	0	0	4	16	12	50	104.2%	4.17
VANCE	34-2543	Gambro Healthcare-Henderson	Henderson	23	0	0	10	33	23	112	121.7%	4.87

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

SEP 22 1997

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COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 9/15/97					Certified Stations 6/30/97	# In-Center Patients 6/30/97	Utilization Rate	
				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending	TOTAL			By Percent	Patients per Station
WAKE	34-2544	Cary Kidney Center	Cary	9	4	0	0	13	9	42	116.7%	4.67
	34-2512	Raleigh Clinic Dialysis (BMA)	Raleigh	39	0	0	0	39	39	123	78.8%	3.15
	34-2589	Zebulon Kidney Center (BMA)	Zebulon	8	0	0	0	8	8	20	62.5%	2.50
	34-2522	Wake Dialysis Clinic	Raleigh	48	0	0	0	48	48	134	69.8%	2.79
WARREN								0				
WASHINGTON								0				
WATAUGA	34-2311	Watauga Kidney Dialysis Center	Boone	8	0	0	0	8	8	30	93.8%	3.75
WAYNE	34-2531	Gambro Healthcare-Goldsboro	Goldsboro	15	0	0	0	15	15	66	110.0%	4.40
	34-2587	Gambro Healthcare-Goldsboro South	Goldsboro	15	0	0	0	15	15	73	121.7%	4.87
	34-2573	Gambro Healthcare-Mount Olive	Mount Olive	11	0	0	0	11	11	42	95.5%	3.82
	34-2576	Dialysis Care of Goldsboro (Wayne Cnty.)	Goldsboro	11	0	0	0	11	11	17	38.6%	1.55
WILKES	34-2313	Wilkes Regional Medical Center	N. Wilkesboro	7	0	0	0	7	7	24	85.7%	3.43
WILSON	34-2507	Gambro Healthcare-Wilson	Wilson	31	0	0	9	40	31	126	101.6%	4.06
YADKIN								0				
YANCEY								0				
STATE TOTALS				1,934	80	45	86	2,145	1,907	6,448		

Table B: ESRD Dialysis Station Need Determinations by County

COUNTY	12/31/92 Total Patients	12/31/93 Total Patients	12/31/94 Total Patients	12/31/95 Total Patients	12/31/96 Total Patients	Average Annual Change Rate for Past Five Years	6/30/97 Total Patients	Projected 6/30/98 Total Patients	6/30/97 Home Patients	6/30/97 % Home Patients	Projected 6/30/98 Home Patients	Projected 6/30/98 In-Center Patients	Projected 6/30/98 In-Center Station Utilization	Total Available Stations	Projected Station Deficit or Surplus	County Station Need Determination
Alamance	84	88	96	91	117	0.093	132	144.3	13	9.8%	14.2	130.1	41	35	6	0
Alexander	16	14	14	11	19	0.097	19	20.8	6	31.6%	6.6	14.3	4	0	4	0
Alleghany	1	3	5	4	5	0.679	5	08.4	1	20.0%	1.7	6.7	2	0	2	0
Anson	27	31	29	24	37	0.113	31	34.5	4	12.9%	4.5	30.1	9	8	1	0
Ashe	7	8	5	7	9	0.113	12	13.4	4	33.3%	4.5	8.9	3	0	3	0
Avery	3	5	5	6	4	0.133	6	06.8	2	33.3%	2.3	4.5	1	0	1	0
Beaufort	34	44	46	40	48	0.102	56	61.7	6	10.7%	6.6	55.1	17	17	0	0
Bertie	24	27	28	26	28	0.042	41	42.7	1	2.4%	1.0	41.7	13	16	Surplus of 3	0
Bladen	31	31	34	31	40	0.075	44	47.3	6	13.6%	6.4	40.8	13	13	0	0
Brunswick	39	41	44	45	50	0.065	55	58.6	5	9.1%	5.3	53.2	17	11	6	0
Buncombe	73	107	107	117	126	0.159	150	173.9	38	25.3%	44.0	129.8	41	40	1	0
Burke	47	50	46	49	57	0.053	62	65.3	10	16.1%	10.5	54.8	17	15	2	0
Cabarrus	58	63	79	63	95	0.161	92	106.8	19	20.7%	22.1	84.8	26	29	Surplus of 3	0
Caldwell	54	62	65	71	76	0.090	76	82.8	7	9.2%	7.6	75.2	23	20	3	0
Camden	4	8	10	8	10	0.325	9	11.9	0	0.0%	0.0	11.9	4	0	4	0
Carteret	14	22	21	21	30	0.239	33	40.9	10	30.3%	12.4	28.5	9	6	3	0
Caswell	12	20	25	29	28	0.261	31	39.1	8	25.8%	10.1	29.0	9	10	Surplus of 1	0
Catawba	66	71	73	74	94	0.097	94	103.1	26	27.7%	28.5	74.6	23	28	Surplus of 5	0
Chatham	31	33	38	45	51	0.133	53	60.1	3	5.7%	3.4	56.7	18	9	9	0
Cherokee	4	6	11	10	7	0.236	6	07.4	3	50.0%	3.7	3.7	1	0	1	0
Chowan	22	20	20	19	22	0.004	27	27.1	3	11.1%	3.0	24.1	8	13	Surplus of 5	0
Clay	2	3	5	2	4	0.392	6	08.4	1	16.7%	1.4	7.0	2	0	2	0
Cleveland	56	63	72	64	90	0.141	80	91.3	14	17.5%	16.0	75.3	24	22	2	0
Columbus	46	46	51	52	72	0.128	72	81.2	10	13.9%	11.3	70.0	22	18	4	0
Craven	55	60	76	77	81	0.106	108	119.4	9	8.3%	10.0	109.5	34	50	Surplus of 16	0
Cumberland	177	200	211	203	273	0.123	281	315.6	40	14.2%	44.9	270.6	85	79	6	0
Currituck	5	8	7	6	7	0.125	5	05.6	0	0.0%	0.0	5.6	2	0	2	0
Dare	9	8	9	7	12	0.126	14	15.8	5	35.7%	5.6	10.1	3	4	Surplus of 1	0
Davidson	70	84	74	72	85	0.059	88	93.2	20	22.7%	21.2	72.0	22	29	Surplus of 7	0
Davie	13	11	13	12	13	0.009	16	16.1	2	12.5%	2.0	14.1	4	0	4	0
Duplin	46	49	53	48	71	0.133	74	83.8	8	10.8%	9.1	74.8	23	15	8	0
Durham	173	211	235	237	259	0.109	281	311.5	27	9.6%	29.9	281.6	88	90	Surplus of 2	0
Edgecombe	85	84	78	85	116	0.093	127	138.8	18	14.2%	19.7	119.1	37	30	7	0
Forsyth	284	306	365	323	345	0.056	383	404.4	62	16.2%	65.5	338.9	106	128	Surplus of 22	0
Franklin	40	39	46	43	55	0.092	58	63.3	5	8.6%	5.5	57.9	18	16	2	0
Gaston	82	95	113	104	128	0.125	168	189.0	40	23.8%	45.0	144.0	45	36	9	0
Gates	12	12	11	10	12	0.006	11	11.1	0	0.0%	0.0	11.1	3	0	3	0
Graham	3	4	6	6	5	0.167	5	05.8	1	20.0%	1.2	4.7	1	0	1	0

SEP 22 1997

Table B: ESRD Dialysis Station Need Determinations by County

COUNTY	12/31/92 Total Patients	12/31/93 Total Patients	12/31/94 Total Patients	12/31/95 Total Patients	12/31/96 Total Patients	Average Annual Change Rate for Past Five Years	6/30/97 Total Patients	Projected 6/30/98 Total Patients	6/30/97 Home Patients	6/30/97 % Home Patients	Projected 6/30/98 Home Patients	Projected 6/30/98 In-Center Patients	Projected 6/30/98 In-Center Station Utilization	Total Available Stations	Projected Station Deficit or Surplus	County Station Need Determination
Granville	38	44	52	54	59	0.118	65	72.6	6	9.2%	6.7	65.9	21	18	3	0
Greene	12	14	17	16	23	0.190	24	28.6	2	8.3%	2.4	26.2	8	0	8	0
Guilford	265	301	352	337	424	0.130	450	508.6	48	10.7%	54.2	454.3	142	143	Surplus of 1	0
Halifax	61	68	64	70	86	0.095	103	112.7	22	21.4%	24.1	88.7	28	21	7	0
Harnett	51	51	65	64	75	0.108	85	94.2	13	15.3%	14.4	79.8	25	20	5	0
Haywood	19	17	17	19	26	0.095	32	35.0	15	46.9%	16.4	18.6	6	0	6	0
Henderson	15	22	25	25	35	0.251	42	52.5	15	35.7%	18.8	33.8	11	10	1	0
Hertford	23	26	21	26	39	0.169	43	50.3	4	9.3%	4.7	45.6	14	12	2	0
Hoke	18	25	33	33	34	0.185	51	60.4	3	5.9%	3.6	56.9	18	15	3	0
Hyde	4	8	5	6	7	0.248	7	08.7	1	14.3%	1.2	7.5	2	0	2	0
Iredell	67	77	81	75	101	0.118	111	124.1	21	18.9%	23.5	100.7	31	32	Surplus of 1	0
Jackson	9	10	13	13	10	0.045	22	23.0	5	22.7%	5.2	17.8	6	19	Surplus of 13	0
Johnston	77	81	80	72	93	0.058	122	129.1	20	16.4%	21.2	107.9	34	20	14	14
Jones	4	8	7	9	10	0.318	11	14.5	0	0.0%	0.0	14.5	5	0	5	0
Lee	41	42	55	47	64	0.138	67	76.2	13	19.4%	14.8	61.4	19	22	Surplus of 3	0
Lenoir	78	94	101	103	120	0.116	131	146.2	19	14.5%	21.2	125.0	39	36	3	0
Lincoln	16	13	18	15	25	0.174	21	24.7	4	19.0%	4.7	20.0	6	11	Surplus of 5	0
Macon	8	10	7	6	12	0.202	11	13.2	5	45.5%	6.0	7.2	2	0	2	0
Madison	7	6	6	7	5	-0.065	4	03.7	1	25.0%	0.9	2.8	1	0	1	0
Martin	29	30	39	39	39	0.084	43	46.6	5	11.6%	5.4	41.2	13	18	Surplus of 5	0
McDowell	9	9	13	16	21	0.247	25	31.2	11	44.0%	13.7	17.5	5	0	5	0
Mecklenburg	331	365	395	374	456	0.088	528	574.3	123	23.3%	133.8	440.5	138	141	Surplus of 3	0
Mitchell	2	4	3	3	5	0.354	7	09.5	6	85.7%	8.1	1.4	0	0	0	0
Montgomery	25	26	25	26	33	0.078	44	47.4	9	20.5%	9.7	37.7	12	8	4	0
Moore	52	54	59	52	69	0.085	74	80.3	7	9.5%	7.6	72.7	23	25	Surplus of 2	0
Nash	65	69	66	67	83	0.068	90	96.1	20	22.2%	21.4	74.8	23	26	Surplus of 3	0
New Hanover	111	113	117	101	132	0.056	140	147.8	24	17.1%	25.3	122.5	38	51	Surplus of 13	0
Northampton	38	41	38	32	38	0.009	38	38.3	8	21.1%	8.1	30.3	9	10	Surplus of 1	0
Onslow	46	46	60	59	82	0.169	86	100.6	14	16.3%	16.4	84.2	26	24	2	0
Orange	55	79	68	60	79	0.124	71	79.8	9	12.7%	10.1	69.7	22	27	Surplus of 5	0
Pamlico	10	10	8	11	15	0.135	12	13.6	2	16.7%	2.3	11.3	4	0	4	0
Pasquotank	28	30	39	30	39	0.110	44	48.8	6	13.6%	6.7	42.2	13	16	Surplus of 3	0
Pender	32	41	47	46	50	0.123	47	52.8	3	6.4%	3.4	49.4	15	13	2	0
Perquimans	6	6	10	11	15	0.283	11	14.1	1	9.1%	1.3	12.8	4	0	4	0
Person	30	39	37	37	42	0.096	50	54.8	3	6.0%	3.3	51.5	16	11	5	0
Pitt	105	125	148	147	177	0.143	172	196.6	32	18.6%	36.6	160.0	50	68	Surplus of 18	0
Polk	1	9	10	11	16	2.166	18	57.0	3	16.7%	9.5	47.5	15	11	4	0
Randolph	52	57	56	52	63	0.055	65	68.6	13	20.0%	13.7	54.8	17	21	Surplus of 4	0

Table B: ESRD Dialysis Station Need Determinations by County

COUNTY	12/31/92 Total Patients	12/31/93 Total Patients	12/31/94 Total Patients	12/31/95 Total Patients	12/31/96 Total Patients	Average Annual Change Rate for Past Five Years	6/30/97 Total Patients	Projected 6/30/98 Total Patients	6/30/97 Home Patients	6/30/97 % Home Patients	Projected 6/30/98 Home Patients	Projected 6/30/98 In-Center Patients	Projected 6/30/98 In-Center Station Utilization	Total Available Stations	Projected Station Deficit or Surplus	County Station Need Determination
Richmond	35	36	45	46	66	0.184	62	73.4	11	17.7%	13.0	60.4	19	21	Surplus of 2	0
Robeson	125	133	153	140	156	0.061	168	178.2	18	10.7%	19.1	159.1	50	40	10	10
Rockingham	72	72	89	87	95	0.076	108	116.3	17	15.7%	18.3	98.0	31	26	5	0
Rowan	87	113	115	92	83	0.005	112	112.5	28	25.0%	28.1	84.4	26	37	Surplus of 11	0
Rutherford	17	18	32	31	43	0.298	50	64.9	14	28.0%	18.2	46.7	15	14	1	0
Sampson	49	63	73	85	87	0.158	102	118.1	9	8.8%	10.4	107.7	34	28	6	0
Scotland	39	50	43	42	49	0.071	45	48.2	7	15.6%	7.5	40.7	13	20	Surplus of 7	0
Stanly	16	25	26	20	32	0.243	46	57.2	11	23.9%	13.7	43.5	14	10	4	0
Stokes	18	16	19	16	15	-0.036	15	14.5	3	20.0%	2.9	11.6	4	0	4	0
Surry	30	30	38	35	52	0.168	47	54.9	5	10.6%	5.8	49.1	15	23	Surplus of 8	0
Swain	13	16	22	23	37	0.315	32	42.1	4	12.5%	5.3	36.8	12	14	Surplus of 2	0
Transylvania	9	12	15	16	18	0.194	18	21.5	13	72.2%	15.5	6.0	2	0	2	0
Tyrrell	0	0	0	0	3	*	3	*	2	66.7%	*	*	*	0	*	0
Union	49	60	60	49	59	0.061	79	83.8	19	24.1%	20.2	63.7	20	28	Surplus of 8	0
Vance	49	52	71	77	88	0.163	94	109.4	8	8.5%	9.3	100.1	31	33	Surplus of 2	0
Wake	249	303	317	295	409	0.145	408	467.2	108	26.5%	123.7	343.5	107	108	Surplus of 1	0
Warren	21	20	16	15	21	0.022	19	19.4	2	10.5%	2.0	17.4	5	0	5	0
Washington	15	19	23	22	20	0.086	23	25.0	2	8.7%	2.2	22.8	7	0	7	0
Watauga	16	16	15	15	18	0.034	16	16.6	1	6.3%	1.0	15.5	5	8	Surplus of 3	0
Wayne	123	151	170	173	189	0.116	205	228.8	19	9.3%	21.2	207.6	65	52	13	0**
Wilkes	19	18	23	19	27	0.118	34	38.0	3	8.8%	3.4	34.7	11	7	4	0
Wilson	81	92	102	85	121	0.125	111	124.9	8	7.2%	9.0	115.9	36	40	Surplus of 4	0
Yadkin	7	8	12	11	16	0.254	17	21.3	2	11.8%	2.5	18.8	6	0	6	0
Yancey	4	6	7	6	10	0.298	11	14.3	3	27.3%	3.9	10.4	3	0	3	0
Unknowns	280	257	341	979	77		12		2							
State Total	5072	5693	6310	6692	7074		7615		1272	16.7%						24

* When a county had zero patients at the end of any of the previous five years, the average annual rate of change in dialysis patients for that county could not be calculated. There is no projected need for new stations in these counties.

** Pursuant to 10 NCAC 3R .3056(b)(1)(E), "Table B" indicates a "Projected Station Deficit" of 13 stations in Wayne County, but "Table A" shows that one facility in Wayne County (Dialysis Care of Goldsboro) was operating below 80% utilization; therefore, the County's station need determination is zero.

SEP 22 1997

Table C: Need Determinations for New Dialysis Stations by County
(Based on the "County Need" Methodology -- September, 1997)

COUNTY	HSA	Number of New Dialysis Stations Needed	Certificate of Need Application Due Date	Certificate of Need Beginning Review Date
Johnston	IV	14	November 14, 1997	December 1, 1997
Robeson	V	10	November 14, 1997	December 1, 1997

SEP 22 1991

