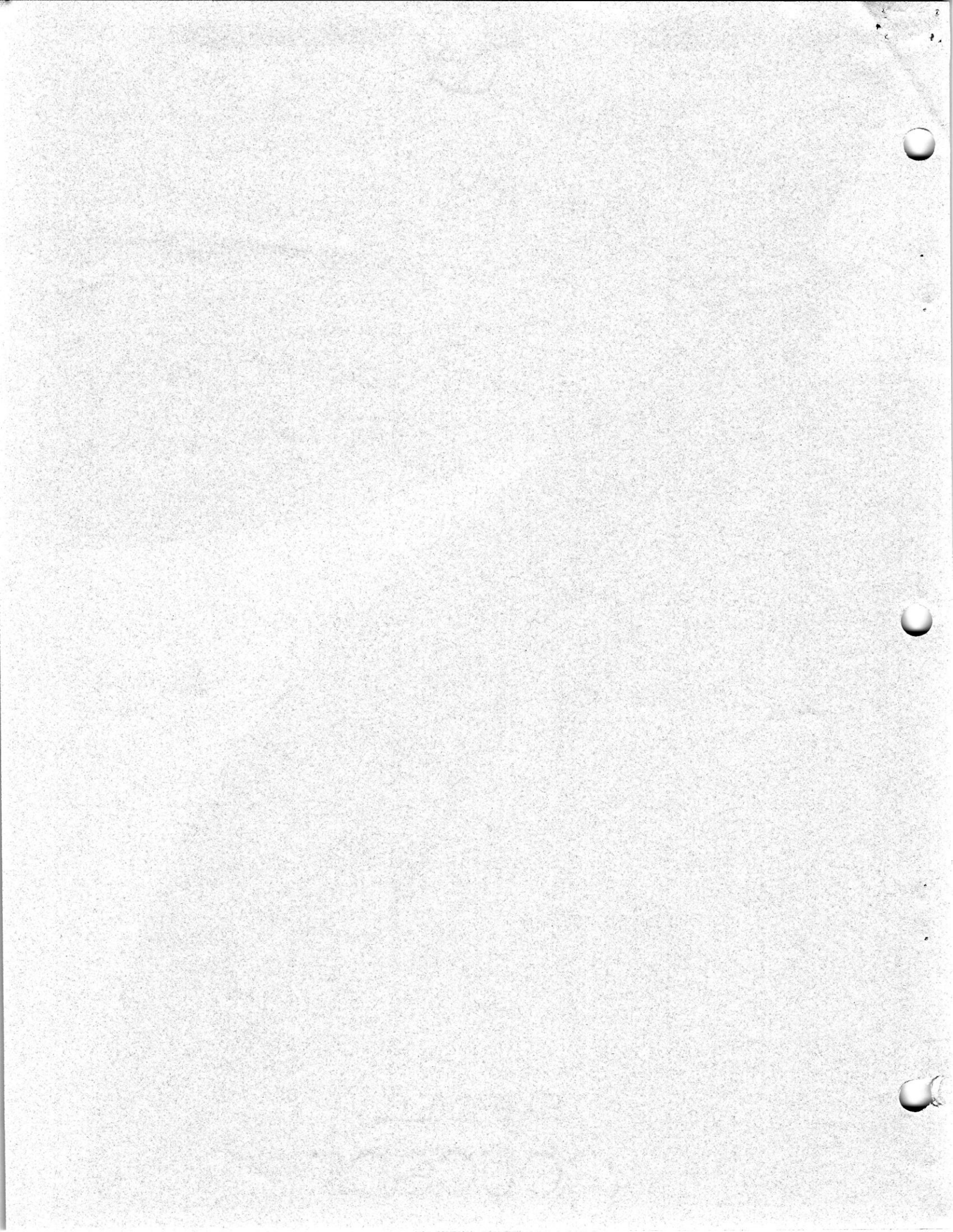


March 1999
N. C. Semiannual
Dialysis Report

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

March 1999 Semiannual Dialysis Report

Introduction

The 1999 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 1999 Plan specifies that the Semiannual Dialysis Reports "...will use facility, station and active patient data provided as of December 31, 1998 for the March SDR and as of June 30, 1999 for the September SDR." This document is the March 1999 SDR. It reiterates the methodology and presents need determinations for the first dialysis review period of 1999.

Summary of Dialysis Station Supply and Utilization

For purposes of the Semiannual Dialysis Report, as of March 9, 1999 there were ninety-seven End-Stage Renal Disease (ESRD) dialysis facilities certified and operating in North Carolina, providing a total of 2,109 dialysis stations. Twenty-two new facilities and fifty-two 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. Fifteen 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 eleven. (*Note: Basic Principle #7 indicates that "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." NorthEast Medical Center [Cabarrus County] and Presbyterian Hospital [Mecklenburg County] have met this criterion and are struckthrough in Table A.*)

Utilization data as of December 31, 1998 are presented in the final two columns of Table A. Of the ninety-seven certified facilities operational on that date, seventy 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 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 December 31, 1998 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 December 31, 1998 were provided by the SEKC on February 22, 1999. The SEKC noted that these figures are preliminary and are subject to change. Final figures are not available until completion of the annual reconciliation in May. County totals from the SEKC were supplemented by data received from the Mid-Atlantic Renal Coalition on February 25, 1999 indicating the number of patients residing in North Carolina counties and receiving dialysis in Virginia. Data for December 31st of 1994, 1995, 1996 and 1997 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, 1998 regardless of the county or state of each patient's residence. These figures were also provided by the SEKC on February 22, 1999. The totals are not considered final until after the annual data validation.

Method for Projection New Dialysis Station Need

The 1999 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 1999 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 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 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;
 - c. Services in rural, remote areas.

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 1994 to the end of 1998 is multiplied by the county's 1998 year end 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 1999 patients.
- (B) The percent of each county's total patients who were home dialysis patients at the end of 1998 is multiplied by the county's projected total 1999 patients, and the product is subtracted from the county's projected total 1999 patients. The remainder is the county's projected 1999 in-center dialysis patients.
- (C) The projected number of each county's 1999 in-center patients is divided by 3.2. The quotient is the projection of the county's 1999 in-center dialysis stations.
- (D) From each county's projected number of 1999 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 1999 projected station surplus or deficit.

- (E) If a county's 1999 projected station deficit is ten or greater and the SDR shows that utilization of each dialysis facility in the county is 80% or greater, the 1999 county station need determination is the same as the 1999 projected station deficit. If a county's 1999 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 1999 station need determination is zero.

(2) Facility Need (*Note: In the First SDR Period, Steps (ii) and (iii) cancel one another.*)

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.
- (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 (SDR₁) is subtracted from the number of in-center dialysis patients reported in the current SDR (SDR₂). 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 SDR₁ 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 the number of months from the most recent month reported in the current SDR until the end of calendar 1999.
 - (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 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 (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 can be considered consistent with the need determinations of this Plan only if it demonstrates a need by utilizing one of the methods of determining need outlined in this chapter.

Timeline:

The schedule for publication of the North Carolina Semiannual Dialysis Reports and for receipt of certificate of need applications based on each issue of this report in 1999 shall be as follows:

<u>Data for Period Ending</u>	<u>Receipt of SEKC Report</u>	<u>Publication of SDR</u>	<u>Receipt of CON Applications</u>	<u>Beginning Review Dates</u>
Dec. 31, 1998	Feb. 26, 1999	March 19, 1999	May 14, 1999	June 1, 1999
June 30, 1999	Aug. 31, 1999	Sept. 20, 1999	November 15, 1999	Dec. 1, 1999

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

(Inventory Compiled 3/9/99; Utilization Rates Calculated for 12/31/98)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 3/9/99					Certified Stations 12/31/98	# In-Center Patients 12/31/98	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	5	0	0	27	22	71	80.7%	3.23
	34-2567	Burlington Dialysis Center	Burlington	14	0	6	0	20	14	69	123.2%	4.93
ALEXANDER								0				
ALLEGHANY								0				
ANSON	34-2560	Dialysis Care of Anson County	Wadesboro	8	0	0	0	8	8	17	53.1%	2.13
ASHE								0				
AVERY								0				
BEAUFORT	34-2561	BMA of Pamlico	Washington	17	1	0	0	18	17	63	92.6%	3.71
BERTIE	34-2547	Windsor Dialysis Unit (BMA)	Windsor	16	0	0	0	16	16	40	62.5%	2.50
BLADEN	34-2578	Southeastern Dialysis Center, Inc.	Elizabethtown	8	5	0	0	13	8	27	84.4%	3.38
BRUNSWICK	34-2582	Southeastern Dialysis Center, Inc.	Shallotte	11	0	0	0	11	11	31	70.5%	2.82
BLUNCOMBE	34-2506	Asheville Kidney Center	Asheville	36	-12	10	0	34	36	176	122.2%	4.89
	n/a	Asheville Kidney Center at Weaverville*	Weaverville	0	12	0	0	12				
	34-2300	Memorial Mission Hospital ESRD Center	Asheville	4	0	0	0	4	4	0	0.0%	0.00
BURKE	34-2563	BMA of Burke County	Morganton	15	0	0	0	15	15	47	78.3%	3.13
CABARRUS	34-2519	Metrolina Kidney Center (BMA-Concord)	Concord	30	-10	0	0	20	28	84	75.0%	3.00
	n/a	BMA of Kannapolis *	Kannapolis	0	10	0	0	10				
	34-2312	NorthEast Medical Center **	Geneora	1	0	0	0	1	1	0	0.0%	0.00
CALDWELL	34-2509	BMA-Lenoir (Northwestern Dialysis)	Lenoir	20	4	0	0	24	20	81	101.3%	4.05
CAMDEN								0				
CARTERET	34-2588	Crystal Coast Dialysis Unit (BMA)	Morehead City	11	4	0	0	15	11	37	84.1%	3.36
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	28	5	0	0	33	28	102	91.1%	3.64
CHATHAM	34-3501	Carolina Dialysis Siler City	Siler City	9	0	0	0	9	9	33	91.7%	3.67
	n/a	<i>(Two applications were submitted for the September, 1998 County Need Determination.)</i>						10	10	0	0	0.0%
CHEROKEE								0				
CHOWAN	34-2541	Gambro Healthcare Edenton	Edenton	13	4	0	0	17	13	49	94.2%	3.77
CLAY								0				
CLEVELAND	34-2529	Dialysis Clinic, Inc. (DCI Shelby)	Shelby	22	7	0	0	29	22	75	85.2%	3.41
COLUMBUS	34-2521	Southeastern Dialysis Center	Whiteville	18	0	0	0	18	18	67	93.1%	3.72

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

** This facility has reported no patients through the Southeastern Kidney Council for four consecutive Semiannual Dialysis Reports and is thereby excluded from the inventory.

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

(Inventory Compiled 3/9/99; Utilization Rates Calculated for 12/31/98)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 3/9/99					Certified Stations 12/31/98	# In-Center Patients 12/31/98	Utilization Rate	
				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending	TOTAL			By Percent	Patients per Station
CRAVEN	34-2534	New Bern Dialysis Unit (BMA)	New Bern	33	6	0	0	39	33	126	95.5%	3.82
	34-2585	Dialysis Care of Craven County	New Bern	14	0	0	0	14	14	18	32.1%	1.29
CUMBERLAND	34-2510	Fayetteville Kidney Center Inc. (BMA)	Fayetteville	59	-3	0	0	56	59	242	102.5%	4.10
	34-2593	FMC Dialysis Services-North Ramsey (BMA)	Fayetteville	20	0	0	0	20	20	51	63.8%	2.55
	n/a	BMA of Cross Creek *	Fayetteville	0	13	0	0	13				
CURRITUCK								0				
DARE	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	93	80.2%	3.21
DAVIE								0				
DUPLIN	34-2535	Southeastern Dialysis Ctr. Kenansville	Kenansville	15	0	0	0	15	15	49	81.7%	3.27
	n/a	<i>(Two applications were submitted for the September, 1998 County Need Determination.)</i>						10	10	0	0	0.0%
DURHAM	34-2302	Duke University Hospital ESRD Unit	Durham	16	0	0	0	16	16	56	87.5%	3.50
	34-2550	Gambro Healthcare-Durham	Durham	27	10	0	0	37	27	107	99.1%	3.96
	34-2538	Freedom Lake Dialysis Center	Durham	19	0	0	5	24	19	72	94.7%	3.79
	34-2590	FMC Dialysis Services West Pettigrew	Durham	18	0	0	0	18	18	66	91.7%	3.67
EDGECOMBE	34-2577	Dialysis Care of Edgecombe Cnty.	Tarboro	15	0	0	0	15	15	37	61.7%	2.47
	n/a	BMA of East Rocky Mount **	Rocky Mount	0	15	0	0	15				
FORSYTH	34-2304	N. C. Baptist Hospital, Inc.	Winston-Salem	4	0	0	0	4	4	6	37.5%	1.50
	34-2505	Piedmont Dialysis	Winston-Salem	72	0	0	0	72	72	216	75.0%	3.00
	34-2569	Salem Kidney Center	Winston-Salem	51	6	0	0	57	51	168	82.4%	3.29
FRANKLIN	34-2571	Dialysis Care of Franklin County	Louisburg	16	0	0	0	16	16	47	73.4%	2.94
GASTON	34-2513	BMA of Gastonia	Gastonia	36	-8	0	4	32	36	137	95.1%	3.81
	n/a	BMA of King Mountain *	Kings Mountain	0	10	0	0	10				
GATES								0				
GRAHAM								0				
GRANVILLE	34-2520	FMC Dialysis Serv. Neuse River	Oxford	18	0	0	0	18	18	61	84.7%	3.39
GREENE								0				
GUILFORD	34-2537	BMA of South Greensboro	Greensboro	40	-5	0	0	35	40	158	98.8%	3.95
	n/a	BMA of Southwest Greensboro *	Greensboro	0	15	0	0	15				
	34-2504	Greensboro Kidney Center (BMA)	Greensboro	69	0	0	-10	59	69	222	80.4%	3.22
	34-2514	High Point Kidney Center	High Point	44	-10	0	0	34	44	138	78.4%	3.14
	n/a	Triad Kidney Center *	High Point	0	10	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 included with current location in Nash County.

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(Inventory Compiled 3/9/99; Utilization Rates Calculated for 12/31/98)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 3/9/99					Certified Stations 12/31/98	# In-Center Patients 12/31/98	Utilization Rate	
				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending	TOTAL			By Percent	Patients per Station
HALIFAX	34-2542	Roanoke Rapids Dialysis Center (BMA)	Roanoke Rapids	21	0	0	0	21	21	75	89.3%	3.57
	n/a	BMA of Halifax	Halifax	0	0	11	0	11	0	0	0.0%	0.00
HARNETT	34-2557	Dunn Kidney Center (BMA)	Dunn	26	4	0	0	30	26	73	70.2%	2.81
HAYWOOD								0				
HENDERSON	34-2564	Hendersonville Dialysis Center, Inc.	Hendersonville	10	0	8	0	18	10	58	145.0%	5.80
HERTFORD	34-2570	Gambro Healthcare Ahoskie	Ahoskie	14	0	0	0	14	14	50	89.3%	3.57
HOKE	34-2579	Dialysis Care of Hoke County	Raeford	15	0	10	0	25	15	68	113.3%	4.53
HYDE								0				
IREDELL	34-2527	Statesville Dialysis Center Inc	Statesville	36	0	5	0	41	36	116	80.6%	3.22
JACKSON	34-2556	Sylva Dialysis Center	Sylva	19	0	5	0	24	19	88	115.8%	4.63
JOHNSTON	34-2545	Smithfield Kidney Center (BMA)	Smithfield	10	3	0	0	13	10	32	80.0%	3.20
	34-2572	Johnston Dialysis Center, Inc.	Smithfield	12	0	0	0	12	12	39	81.3%	3.25
	n/a	<i>(Three applications were submitted for the September, 1997 County Need Determination.)</i>					14	14	0	0	0.0%	0.00
JONES								0				
LEE	34-3500	Carolina Dialysis Sanford (UNC)	Sanford	16	6	0	0	22	16	94	146.9%	5.88
LENOIR	34-2518	Kinston Dialysis Unit (BMA)	Kinston	36	5	3	0	44	36	142	98.6%	3.94
LINCOLN	34-2568	BMA of Lincolnton	Lincolnton	17	0	0	0	17	17	51	75.0%	3.00
MCDOWELL								0				
MACON								0				
MADISON								0				
MARTIN	34-2584	Dialysis Care of Martin County	Williamston	18	0	0	0	18	18	55	76.4%	3.06
MECKLENBURG	34-2554	BMA-West Charlotte	Charlotte	10	0	0	3	13	10	40	100.0%	4.00
	34-2581	BMA of Beatties Ford (Metrolina)	Charlotte	16	0	0	10	26	16	62	96.9%	3.88
	34-2549	BMA of North Charlotte	Charlotte	14	-1	0	0	13	14	56	100.0%	4.00
	34-2306	Carolina's Medical Center	Charlotte	9	0	0	0	9	9	2	5.6%	0.22
	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	10	0	2	0	12	10	47	117.5%	4.70
	34-2591	TRC - Mecklenburg/University	Charlotte	10	0	0	0	10	10	37	92.5%	3.70
	34-2548	Gambro Healthcare Charlotte	Charlotte	21	0	0	0	21	21	98	116.7%	4.67
	34-2503	BMA of Charlotte (Metrolina-Charlotte)	Charlotte	37	-6	0	4	35	37	169	114.2%	4.57
	n/a	BMA of East Charlotte *	Charlotte	0	10	0	0	10				
	n/a	BMA of Nations Ford *	Charlotte	0	10	0	0	10				
34-2309	Presbyterian Hospital **	Charlotte	2	0	0	0	2	2	0	0.0%	0.00	

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

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(Inventory Compiled 3/9/99; Utilization Rates Calculated for 12/31/98)

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				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending	TOTAL			By Percent	Patients per Station
MITCHELL								0				
MONTGOMERY	34-2583	Dialysis Care of Montgomery County	Troy	8	0	0	0	8	8	28	87.5%	3.50
MOORE	34-2555	Dialysis Care of Pinehurst (Moore Cnty.)	Pinehurst	25	0	7	0	32	25	87	87.0%	3.48
NASH	34-2517	Rocky Mount Kidney Center (BMA)	Rocky Mount	41	-15	8	8	42	41	157	95.7%	3.83
NEW HANOVER	34-2511	Southeastern Dialysis Center Inc.	Wilmington	51	-18	0	0	33	51	173	84.8%	3.39
	n/a	Cape Fear Center (Southeastern Dialysis) *	Wilmington	0	18	0	0	18				
NORTHAMPTON	34-2586	BMA of Rich Square (Northampton Co.)	Rich Square	13	1	0	0	14	13	41	78.8%	3.15
ONslow	34-2532	Southeastern Dialysis Ctr. Jacksonville	Jacksonville	24	0	0	0	24	24	81	84.4%	3.38
ORANGE	34-2305	UNC Hospitals (Carolina Dia. Carrboro)	Chapel Hill	25	2	0	0	27	25	101	101.0%	4.04
PAMLICO								0				
PASQUOTANK	34-2515	Gambro Healthcare Elizabeth City	Elizabeth City	16	0	0	0	16	16	65	101.6%	4.06
PENDER	34-2558	Southeastern Dialysis Center Inc.	Burgaw	13	0	0	0	13	13	41	78.8%	3.15
PERQUIMANS								0				
PERSON	34-2562	Gambro Healthcare-Roxboro	Roxboro	11	0	0	0	11	11	57	129.5%	5.18
PITT	34-2502	Greenville Dialysis Center (BMA)	Greenville	50	-13	0	2	39	50	195	97.5%	3.90
	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	0	0.0%	0.00
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	60	71.4%	2.86
RICHMOND	34-2539	Dialysis Care of Hamlet (Richmond Cnty.)	Hamlet	21	0	0	0	21	21	61	72.6%	2.90
ROBESON	34-2528	Lumberton Dialysis Unit (BMA)	Lumberton	40	-5	0	2	37	40	143	89.4%	3.58
	n/a	BMA of Red Springs *	Red Springs	0	10	0	10	20				
	n/a	(Three applications were submitted for the September, 1997 County Need Determination.)					10	10	0	0	0.0%	0.00
ROCKINGHAM	34-2536	Dialysis Care of Rockingham County	Eden	18	0	0	0	18	18	69	95.8%	3.83
	34-2574	Gambro Healthcare Reidsville	Reidsville	8	0	0	0	8	8	17	53.1%	2.13
	n/a	BMA of Rockingham ****	Wentworth	0	0	0	10	10				
ROWAN	34-2546	Dialysis Care of Salisbury (Rowan Co.)	Salisbury	27	0	0	0	27	27	66	61.1%	2.44
	34-2592	TRC - Kannapolis/South Rowan	Kannapolis	10	0	0	0	10	10	36	90.0%	3.60
RUTHERFORD	34-2566	Dialysis Care of Rutherford County	Forest City	22	0	0	0	22	14	54	96.4%	3.86
SAMPSON	34-2559	BMA of Clinton	Clinton	28	0	0	8	36	28	107	95.5%	3.82

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

** Pitt County Memorial Hospital requested decertification of the six chronic hemodialysis stations located at the hospital effective October 1, 1998.

*** The certificate of need for "Vivra Renal Care of Polk County" was relinquished on 10/8/98.

**** Proposed new site composed of existing dialysis stations. Utilization of existing stations included with "BMA of Greensboro" in Guilford County.

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

(Inventory Compiled 3/9/99; Utilization Rates Calculated for 12/31/98)

COUNTY	PROVIDER NUMBER	FACILITY	CITY	Number of Dialysis Stations as of 3/9/99					Certified Stations 12/31/98	# In-Center Patients 12/31/98	Utilization Rate	
				Certified	CON Issued /Not Cert.	Decision Rendered	Decision Pending	TOTAL			By Percent	Patients per Station
SCOTLAND	34-2540	Laurinburg Dialysis Center (BMA of)	Laurinburg	20	0	0	0	20	20	64	80.0%	3.20
STANLY	34-2565	Metrolina of Albemarle (BMA Albemarle)	Albemarle	10	3	0	0	13	10	37	92.5%	3.70
STOKES								0				
SURRY	34-2551	Mt. Airy Dialysis Center	Mt. Airy	23	0	0	0	23	23	75	81.5%	3.26
SWAIN	n/a	Swain County Dialysis	Cherokee	0	14	0	0	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	39	81.3%	3.25
	34-2526	Gambro Healthcare Monroe (Union Co.)	Monroe	16	0	0	0	16	16	66	103.1%	4.13
YANCE	34-2543	Gambro Healthcare-Henderson	Henderson	23	10	0	0	33	23	134	145.7%	5.83
WAKE	34-2544	Cary Kidney Center	Cary	9	9	0	0	18	9	45	125.0%	5.00
	34-2512	Raleigh Clinic Dialysis (BMA)	Raleigh	44	-7	0	0	37	44	146	83.0%	3.32
	n/a	BMA of Fuquay Varina *	Fuquay-Varina	0	12	0	0	12				
	34-2589	Zebulon Kidney Center (BMA)	Zebulon	8	0	3	0	11	8	29	90.6%	3.63
	34-2522	Wake Dialysis Clinic	Raleigh	48	0	0	0	48	48	136	70.8%	2.83
WARREN								0				
WASHINGTON								0				
WATAUGA	34-2311	Watauga Kidney Dialysis Center	Boone	8	0	0	0	8	8	29	90.6%	3.63
WAYNE	34-2531	Gambro Healthcare-Goldsboro	Goldsboro	25	0	0	0	25	15	71	118.3%	4.73
	34-2587	Gambro Healthcare-Goldsboro South	Goldsboro	16	0	0	0	16	15	75	125.0%	5.00
	34-2573	Gambro Healthcare-Mount Olive	Mount Olive	11	0	0	0	11	11	53	120.5%	4.82
	34-2576	Dialysis Care of Goldsboro (Wayne Cnty.)	Goldsboro	11	0	0	0	11	11	26	59.1%	2.36
WILKES	34-2313	Wilkes Regional Dialysis Center	N. Wilkesboro	7	0	0	0	7	7	17	60.7%	2.43
WILSON	34-2507	Gambro Healthcare-Wilson	Wilson	40	0	0	0	40	31	136	109.7%	4.39
YADKIN								0				
YANCEY								0				
STATE TOTALS				2,109	185	78	100	2,472	2,079	7,428		

* 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	12/31/94 Total Patients	12/31/95 Total Patients	12/31/96 Total Patients	12/31/97 Total Patients	12/31/98 Total Patients	Average Annual Change Rate for Past Five Years	Projected 12/31/99 Total Patients	12/31/98 Home Patients	12/31/98 % Home Patients	Projected 12/31/99 Home Patients	Projected 12/31/99 In-Center Patients	Projected 12/31/99 In-Center Station Utilization	Total Available Stations	Projected Station Deficit or Surplus	County Station Need Determination
Alamance	96	91	117	130	137	0.100	150.7	10	7.3%	11.0	139.7	44	47	Surplus of 3	0
Alexander	14	11	19	16	21	0.167	24.5	4	19.0%	4.7	19.8	6	0	6	0
Alleghany	5	4	5	4	5	0.025	5.1	2	40.0%	2.1	3.1	1	0	1	0
Anson	29	24	37	39	45	0.144	51.5	4	8.9%	4.6	46.9	15	8	7	0
Ashe	5	7	9	12	12	0.255	15.1	2	16.7%	2.5	12.5	4	0	4	0
Avery	5	6	4	7	7	0.154	8.1	1	14.3%	1.2	6.9	2	0	2	0
Beaufort	46	40	48	57	69	0.117	77.1	12	17.4%	13.4	63.7	20	18	2	0
Bertie	28	26	28	46	50	0.184	59.2	2	4.0%	2.4	56.8	18	16	2	0
Bladen	34	31	40	42	42	0.063	44.6	3	7.1%	3.2	41.5	13	13	0	0
Brunswick	44	45	50	54	56	0.063	59.5	9	16.1%	9.6	49.9	16	11	5	0
Buncombe	107	117	126	160	162	0.113	180.3	30	18.5%	33.4	146.9	46	50	Surplus of 4	0
Burke	46	49	57	62	63	0.083	68.2	18	28.6%	19.5	48.7	15	15	0	0
Cabarrus	79	63	95	95	108	0.111	119.9	16	14.8%	17.8	102.2	32	30	2	0
Caldwell	65	71	76	68	89	0.092	97.1	11	12.4%	12.0	85.1	27	24	3	0
Camden	10	8	10	9	12	0.071	12.9	0	0.0%	0.0	12.9	4	0	4	0
Carteret	21	21	30	32	37	0.163	43.0	2	5.4%	2.3	40.7	13	15	Surplus of 2	0
Caswell	25	29	28	33	35	0.091	38.2	6	17.1%	6.5	31.6	10	10	0	0
Catawba	73	74	94	101	113	0.119	126.5	27	23.9%	30.2	96.3	30	33	Surplus of 3	0
Chatham	38	45	51	51	58	0.114	64.6	3	5.2%	3.3	61.3	19	19	0	0
Cherokee	11	10	7	11	10	0.022	10.2	3	30.0%	3.1	7.2	2	0	2	0
Chowan	20	19	22	30	37	0.176	43.5	4	10.8%	4.7	38.8	12	17	Surplus of 5	0
Clay	5	2	4	6	6	0.225	7.4	1	16.7%	1.2	6.1	2	0	2	0
Cleveland	72	64	90	96	113	0.135	128.2	24	21.2%	27.2	101.0	32	29	3	0
Columbus	51	52	72	75	85	0.145	97.3	11	12.9%	12.6	84.7	26	18	8	0
Craven	76	77	81	103	121	0.128	136.5	5	4.1%	5.6	130.8	41	53	Surplus of 12	0
Cumberland	211	203	273	299	329	0.126	370.3	48	14.6%	54.0	316.3	99	89	10	0*
Currituck	7	6	7	7	6	-0.030	5.8	1	16.7%	1.0	4.9	2	0	2	0
Dare	9	7	12	13	15	0.182	17.7	5	33.3%	5.9	11.8	4	4	0	0
Davidson	74	72	85	93	100	0.081	108.1	12	12.0%	13.0	95.1	30	29	1	0
Davie	13	12	13	16	16	0.059	16.9	3	18.8%	3.2	13.8	4	0	4	0
Duplin	53	48	71	73	88	0.155	101.6	6	6.8%	6.9	94.7	30	25	5	0
Durham	235	237	259	270	302	0.066	321.8	27	8.9%	28.8	293.0	92	95	Surplus of 3	0
Edgecombe	78	85	116	118	108	0.097	118.4	11	10.2%	12.1	106.4	33	30	3	0
Forsyth	365	323	345	394	406	0.031	418.7	51	12.6%	52.6	366.1	114	133	Surplus of 19	0
Franklin	46	43	55	57	54	0.049	56.7	4	7.4%	4.2	52.5	16	16	0	0
Gaston	113	104	128	145	164	0.104	181.0	29	17.7%	32.0	149.0	47	42	5	0
Gates	11	10	12	13	14	0.067	14.9	0	0.0%	0.0	14.9	5	0	5	0
Graham	6	6	5	4	9	0.221	11.0	3	33.3%	3.7	7.3	2	0	2	0

** Pursuant to 10 NCAC 3R .6224(b)(1)(E), "Table B" indicates a "Projected Station Deficit" of 10 stations in Cumberland County, but "Table A" shows that one facility in Cumberland County (FMC Dialysis Services-North Ramsey) was operating below 80% utilization; therefore, the County's station need determination is zero.

Table B: ESRD Dialysis Station Need Determinations by County



COUNTY	12/31/94 Total Patients	12/31/95 Total Patients	12/31/96 Total Patients	12/31/97 Total Patients	12/31/98 Total Patients	Average Annual Change Rate for Past Five Years	Projected 12/31/99 Total Patients	12/31/98 Home Patients	12/31/98 % Home Patients	Projected 12/31/99 Home Patients	Projected 12/31/99 In-Center Patients	Projected 12/31/99 In-Center Station Utilization	Total Available Stations	Projected Station Deficit or Surplus	County Station Need Determination
Granville	52	54	59	67	75	0.097	82.2	6	8.0%	6.6	75.7	24	18	6	0
Greene	17	16	23	29	21	0.091	22.9	1	4.8%	1.1	21.8	7	0	7	0
Guilford	352	337	424	461	493	0.093	538.9	47	9.5%	51.4	487.5	152	153	Surplus of 1	0
Halifax	64	70	86	103	108	0.142	123.4	14	13.0%	16.0	107.4	34	32	2	0
Harnett	65	64	75	89	82	0.066	87.4	12	14.6%	12.8	74.6	23	30	Surplus of 7	0
Haywood	17	19	26	35	31	0.179	36.6	14	45.2%	16.5	20.1	6	0	6	0
Henderson	25	25	35	44	50	0.198	59.9	10	20.0%	12.0	47.9	15	18	Surplus of 3	0
Hertford	21	26	39	32	36	0.171	42.2	2	5.6%	2.3	39.8	12	14	Surplus of 2	0
Hoke	33	33	34	51	58	0.167	67.7	4	6.9%	4.7	63.0	20	25	Surplus of 5	0
Hyde	5	6	7	6	8	0.139	9.1	1	12.5%	1.1	8.0	2	0	2	0
Iredell	81	75	101	111	125	0.124	140.6	23	18.4%	25.9	114.7	36	41	Surplus of 5	0
Jackson	13	13	10	30	27	0.417	38.3	2	7.4%	2.8	35.4	11	24	Surplus of 13	0
Johnston	80	72	93	112	100	0.072	107.2	14	14.0%	15.0	92.2	29	39	Surplus of 10	0
Jones	7	9	10	19	19	0.324	25.2	0	0.0%	0.0	25.2	8	0	8	0
Lee	55	47	64	93	94	0.170	110.0	20	21.3%	23.4	86.6	27	22	5	0
Lenoir	101	103	120	129	137	0.080	148.0	13	9.5%	14.0	134.0	42	44	Surplus of 2	0
Lincoln	18	15	25	28	33	0.200	39.6	3	9.1%	3.6	36.0	11	17	Surplus of 6	0
Macon	7	6	12	8	14	0.318	18.5	4	28.6%	5.3	13.2	4	0	4	0
Madison	6	7	5	5	9	0.170	10.5	1	11.1%	1.2	9.4	3	0	3	0
Martin	39	39	39	47	52	0.078	56.0	6	11.5%	6.5	49.6	15	18	Surplus of 3	0
McDowell	13	16	21	23	26	0.192	31.0	11	42.3%	13.1	17.9	6	0	6	0
Mecklenburg	395	374	456	535	616	0.123	691.6	123	20.0%	138.1	553.5	173	171	2	0
Mitchell	3	3	5	3	5	0.233	6.2	5	100.0%	6.2	0.0	0	0	0	0
Montgomery	25	26	33	40	50	0.193	59.6	3	6.0%	3.6	56.1	18	8	10	10
Noore	59	52	69	79	85	0.107	94.1	9	10.6%	10.0	84.2	26	32	Surplus of 6	0
Nash	66	67	83	95	108	0.134	122.5	21	19.4%	23.8	98.6	31	42	Surplus of 11	0
New Hanover	117	101	132	151	150	0.077	161.5	22	14.7%	23.7	137.8	43	51	Surplus of 8	0
Northampton	38	32	38	41	51	0.088	55.5	10	19.6%	10.9	44.6	14	14	0	0
Onslow	60	59	82	76	95	0.137	108.1	13	13.7%	14.8	93.3	29	24	5	0
Orange	68	60	79	74	78	0.047	81.7	8	10.3%	8.4	73.3	23	27	Surplus of 4	0
Pamlico	8	11	15	10	16	0.251	20.0	1	6.3%	1.3	18.8	6	0	6	0
Pasquotank	39	30	39	45	49	0.078	52.8	8	16.3%	8.6	44.2	14	16	Surplus of 2	0
Pender	47	46	50	52	52	0.026	53.4	4	7.7%	4.1	49.3	15	13	2	0
Perquimans	10	11	15	14	13	0.081	14.1	1	7.7%	1.1	13.0	4	0	4	0
Person	37	37	42	50	59	0.126	66.5	1	1.7%	1.1	65.3	20	11	9	0
Pitt	148	147	177	187	184	0.059	194.9	30	16.3%	31.8	163.2	51	64	Surplus of 13	0
Polk	10	11	16	18	7	0.017	7.1	1	14.3%	1.0	6.1	2	0	2	0
Randolph	56	52	63	72	76	0.085	82.4	7	9.2%	7.6	74.8	23	21	2	0

Table B: ESRD Dialysis Station Need Determinations by County

COUNTY	12/31/94 Total Patients	12/31/95 Total Patients	12/31/96 Total Patients	12/31/97 Total Patients	12/31/98 Total Patients	Average Annual Change Rate for Past Five Years	Projected 12/31/99 Total Patients	12/31/98 Home Patients	12/31/98 % Home Patients	Projected 12/31/99 Home Patients	Projected 12/31/99 In-Center Patients	Projected 12/31/99 In-Center Station Utilization	Total Available Stations	Projected Station Deficit or Surplus	County Station Need Determination
Richmond	45	46	66	62	75	0.152	86.4	12	16.0%	13.8	72.5	23	21	2	0
Robeson	153	140	156	171	191	0.061	202.6	14	7.3%	14.8	187.7	59	67	Surplus of 8	0
Rockingham	89	87	95	114	126	0.094	137.8	11	8.7%	12.0	125.8	39	36	3	0
Rowan	115	92	83	104	123	0.034	127.2	28	22.8%	29.0	98.3	31	37	Surplus of 6	0
Rutherford	32	31	43	61	55	0.169	64.3	7	12.7%	8.2	56.1	18	22	Surplus of 4	0
Sampson	73	85	87	104	103	0.093	112.6	7	6.8%	7.7	105.0	33	36	Surplus of 3	0
Scotland	43	42	49	43	41	-0.006	40.7	4	9.8%	4.0	36.8	11	20	Surplus of 9	0
Stanly	26	20	32	46	44	0.191	52.4	12	27.3%	14.3	38.1	12	13	Surplus of 1	0
Stokes	19	16	15	17	17	-0.022	16.6	3	17.6%	2.9	13.7	4	0	4	0
Surry	38	35	52	52	62	0.150	71.3	6	9.7%	6.9	64.4	20	23	Surplus of 3	0
Swain	22	23	37	24	26	0.097	28.5	2	7.7%	2.2	26.3	8	14	Surplus of 6	0
Transylvania	15	16	18	21	17	0.042	17.7	6	35.3%	6.3	11.5	4	0	4	0
Tyrrell	0	0	3	3	2	*	*	1	*	*	*	*	0	*	0
Union	60	49	59	76	91	0.127	102.5	13	14.3%	14.6	87.9	27	28	Surplus of 1	0
Vance	71	77	88	94	100	0.090	109.0	3	3.0%	3.3	105.7	33	33	0	0
Wake	317	295	409	417	430	0.092	469.5	67	15.6%	73.2	396.4	124	126	Surplus of 2	0
Warren	16	15	21	19	24	0.126	27.0	1	4.2%	1.1	25.9	8	0	8	0
Washington	23	22	20	20	26	0.041	27.1	1	3.8%	1.0	26.0	8	0	8	0
Watauga	15	15	18	16	15	0.007	15.1	1	6.7%	1.0	14.1	4	8	Surplus of 4	0
Wayne	170	173	189	207	228	0.077	245.5	17	7.5%	18.3	227.2	71	63	8	0
Wilkes	23	19	27	35	29	0.093	31.7	6	20.7%	6.6	25.1	8	7	1	0
Wilson	102	85	121	121	125	0.072	134.1	9	7.2%	9.7	124.4	39	40	Surplus of 1	0
Yadkin	12	11	16	16	12	0.030	12.4	1	8.3%	1.0	11.3	4	0	4	0
Yancey	7	6	10	11	12	0.179	14.1	5	41.7%	5.9	8.3	3	0	3	0
Unknowns	341	979	77	73	110										
State Totals	6310	6692	7074	7832	8480			1122	13.2%						10

* 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.

Table C: Need Determinations for New Dialysis Stations by County
(Based on the "County Need" Methodology -- March, 1999)

COUNTY	HSA	Number of New Dialysis Stations Needed	Certificate of Need Application Due Date	Certificate of Need Beginning Review Date
Montgomery	V	10	May 14, 1999	June 1, 1999

