# Haviland Kidney Center - PCU
Quality Assurance Reports (Excludes patients in first 6 months of treatment)
Through period ending Dec. 31, 2001

Note: Monthly values with an * are PACLAB values - as of July 2001

I. ADEQUACY OF DIALYSIS

	J	F	M	A	M	J	J	A	S	O	N	D
# eKt/V	61	58	60	64	65	61	66	69	67	68	60	65
# eKt/V >= 1.2	51	54	50	56	54	54	59	64	57	53	53	54
Pop. Mean =	1.38	1.51	1.36	1.42	1.4	1.42	1.45	1.54	1.44	1.39	1.46	1.42
Std. Deviation =	0.26	0.27	0.34	0.24	0.25	0.27	0.26	0.46	0.35	0.25	0.27	0.23
Network Mean =												
Natl. Mean =												
% eKt/V >= 1.2	84%	93%	83%	88%	83%	89%	89%	93%	85%	78%	88%	83%

% eKt/V >= 1.2
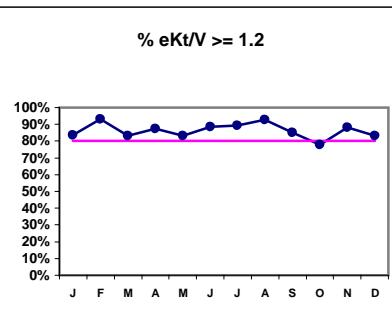
	J	F	M	A	M	J	J	A	S	O	N	D
# URR	61	63	63	65	67	66	70	71	68	70	64	66
# URR >= 65.0	52	56	60	59	60	60	65	67	57	60	58	57
Pop. Mean =	72.4	74.8	73.2	73.7	73.4	73.5	74.8	75.3	72.8	73.3	74.4	73.3
Std. Deviation =	7.73	6.73	6.22	6.68	6.80	7.84	7.14	7.64	10.5	6.5	6.6	6.3
*Network Mean =	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
Natl. Mean =	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
% URR >= 65.0	85%	89%	95%	91%	90%	91%	93%	94%	84%	86%	91%	86%
*Network % > 65.0	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%
*Natl. % > 65.0	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%
* Figures for 2000												

% URR >= 65.0
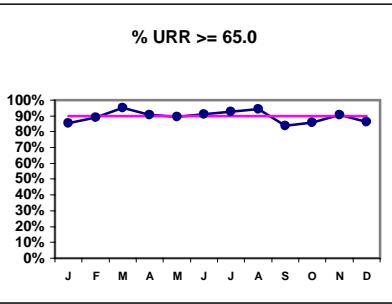
	J	F	M	A	M	J	J	A	S	O	N	D
# Kt/V	61	58	60	64	65	61	66	69	67	68	60	64
# Kt/V >= 1.4	48	52	48	51	50	50	58	62	57	54	51	53
Pop. Mean =	1.59	1.74	1.56	1.63	1.6	1.62	1.67	1.76	1.65	1.59	1.68	1.62
Std. Deviation =	0.3	0.32	0.4	0.28	0.29	0.32	0.3	0.54	0.42	0.3	0.33	0.28
Network Mean =												
Natl. Mean 1999 =	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
% Kt/V >= 1.4	79%	90%	80%	80%	77%	82%	88%	90%	85%	79%	85%	83%
% Kt/V > 1.2	89%	97%	93%	94%	91%	90%	94%	97%	90%	88%	93%	94%
Network > 1.2 '99	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%
Natl. % > 1.2 - 2000	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%

% Kt/V >= 1.4

Blood Pressure Control (Pre)
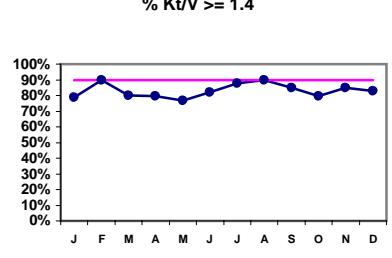
	J	F	M	A	M	J	J	A	S	O	N	D
# Pre Dia BP	63	64	66	66	67	68	71	71	70	71	66	69
# Pre Dia BP < 90	47	44	50	51	51	54	53	59	52	54	49	54
Pop. Mean =	82	84.6	80.6	80.2	79.1	78.9	79.1	78.6	82.3	81.8	81.8	81
Std. Deviation =	12.8	15.6	12.1	11.8	12.9	12.6	14.7	12.0	15.0	11.7	13.6	12.3
Network Mean =												
Natl. Mean =												
% Pre Dia BP < 90	75%	69%	76%	77%	76%	79%	75%	83%	74%	76%	74%	78%

% Pre Dia BP < 90
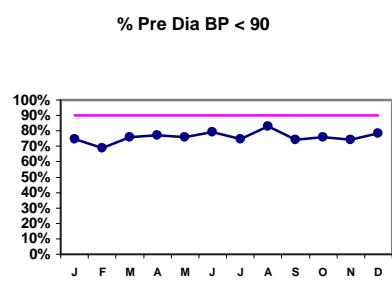
	J	F	M	A	M	J	J	A	S	O	N	D
# Pre Sys BP	63	64	66	66	67	68	71	71	70	71	66	69
# Pre Sys BP < 150	28	29	29	28	27	35	37	40	34	31	27	27
Pop. Mean =	152	153	151	151	151	148	145	146	152	153	153	153
Std. Deviation =	20.0	19.2	20.0	21.4	22.6	22.8	21.1	20.8	20.8	19.5	18.8	19.3
Network Mean =												
Natl. Mean =												
%Pre Sys BP <150	44%	45%	44%	42%	40%	51%	52%	56%	49%	44%	41%	39%
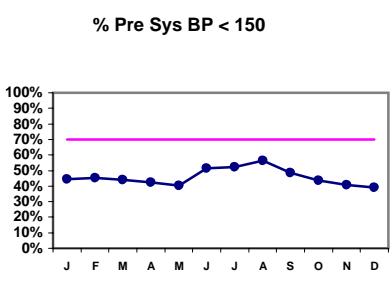
% Pre Sys BP < 150

Methodology: a) Monthly values based on patient's montly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

Haviland Kidney Center - PCU
Quality Assurance Reports (Excludes patients in first 6 months of treatment)
Through period ending Dec. 31, 2001

I.j - I.S. Dept.

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I. ADEQUACY OF DIALYSIS - CONT.

	D	D	D	D	D	D	D	D	D	D	D	D
# Dialysis Hrs	67	67	67	67	67	67	67	67	67	67	67	67
# Hrs. 2.5 - 3.0	2	2	2	2	2	2	2	2	2	2	2	2
Pop. Mean =	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05
Std. Deviation =	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Network Mean =												
Natl. Mean =												
% Hrs. 2.5 - 3.0	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%

% Hrs 2.5 - 3.0
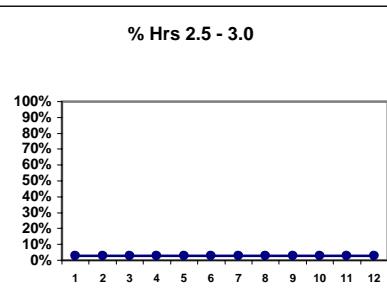
	D	D	D	D	D	D	D	D	D	D	D	D
# Dialysis Hrs	67	67	67	67	67	67	67	67	67	67	67	67
# Hrs 3.1 - 3.5	12	12	12	12	12	12	12	12	12	12	12	12
Pop. Mean =	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05
Std. Deviation =	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Network Mean =												
Natl. Mean =												
% Hrs 3.1 - 3.5	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%

% Hrs 3.1 - 3.5
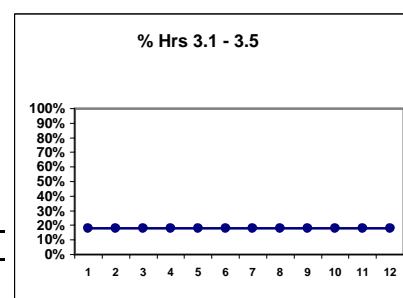
	D	D	D	D	D	D	D	D	D	D	D	D
# Dialysis Hrs	67	67	67	67	67	67	67	67	67	67	67	67
# Hrs 3.6 - 4.0	29	29	29	29	29	29	29	29	29	29	29	29
Pop. Mean =	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05
Std. Deviation =	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Network Mean =												
Natl. Mean =												
% Hrs 3.6 - 4.0	43%	43%	43%	43%	43%	43%	43%	43%	43%	43%	43%	43%

% Hrs 3.6 - 4.0
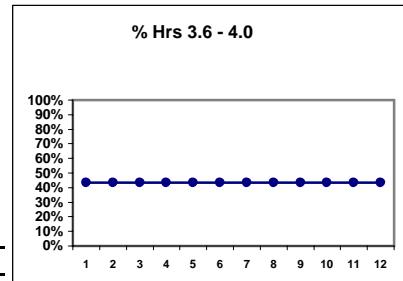
	D	D	D	D	D	D	D	D	D	D	D	D
# Dialysis Hrs	67	67	67	67	67	67	67	67	67	67	67	67
# Hrs 4.1 - 4.5	17	17	17	17	17	17	17	17	17	17	17	17
Pop. Mean =	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05
Std. Deviation =	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Network Mean =												
Natl. Mean =												
% Hrs 4.1 - 4.5	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%

% Hrs 4.1 - 4.5
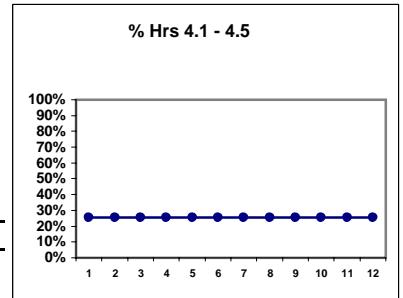
|	D	D	D	D	D	D	D	D	D	D	D	D
# Dialysis Hrs	67	67	67	67	67	67	67	67	67	67	67	67
# Hrs > 4.5	7	7	7	7	7	7	7	7	7	7	7	7
Pop. Mean =	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05
Std. Deviation =	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Network Mean =												
Natl. Mean =												
% Hrs > 4.5	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
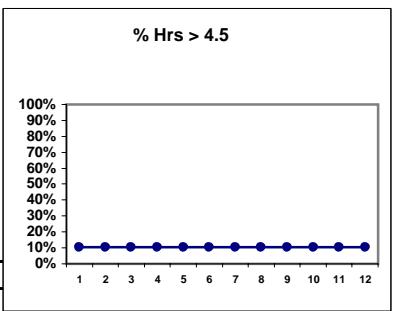
% Hrs > 4.5

*Methodology: a) Monthly values based on patient's montly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

Haviland Kidney Center - PCU
Quality Assurance Reports (Excludes patients in first 6 months of treatment)
Through period ending Dec. 31, 2001

I.j - I.S. Dept.

I. ADEQUACY OF DIALYSIS - CONT.

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# CO2	63	64	66	66	67	68	70	71	70	71	65	68
# CO2 >= 23	34	31	40	34	25	38	36	44	34	37	21	44
Pop. Mean =	22.6	23	22.5	22.7	21.4	22.7	22.3	23.2	22.3	22.3	21.5	22.5
Std. Deviation =	2.77	3.02	2.81	2.74	3.22	3.03	2.65	2.84	2.24	2.65	3.56	3.83
Network Mean =												
Natl. Mean =												
% CO2 >= 23	54%	48%	61%	52%	37%	56%	51%	62%	49%	52%	32%	65%
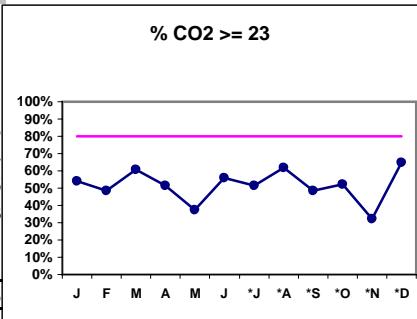
% CO2 >= 23

*Methodology: a) Monthly values based on patient's montly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

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Quality Assurance Reports (Excludes patients in first 6 months of treatment)
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*Albumin values use BCG method - as of July 2001

II. NUTRITION

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Albumin	63	64	66	66	67	68	70	71	70	71	65	68
# Albumin >= 3.2	56	47	43	50	48	53						
# Albumin >= 3.5							45	46	53	57	53	45
Pop. Mean =	3.43	3.36	3.3	3.43	3.32	3.47	3.55	3.57	3.64	3.7	3.66	3.5
Std. Deviation =	0.32	0.36	0.35	0.39	0.38	0.44	0.33	0.34	0.29	0.26	0.29	0.29
Network Mean =												
Natl. Mean =	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
% Alb >= 3.2 or 3.5	89%	73%	65%	76%	72%	78%	64%	65%	76%	80%	82%	66%
PCU % >= 3.7							40%	39%	43%	58%	48%	29%
PCU % >= 4.0							14%	13%	11%	18%	14%	9%
*Natl. % >= 3.5-BC(							80%	80%	80%	80%	80%	80%
*Natl. % >= 4.0-BCG							29%	29%	29%	29%	29%	29%
*Network Mean =	77%	77%	77%	77%	77%	77%	77%	77%	77%	77%	77%	77%

*Figures for 2000

% Albs >= 3.2 (Before July '01)
% Albs >= 3.5 (As of July -01)

% PCR/DPI >= 1.2
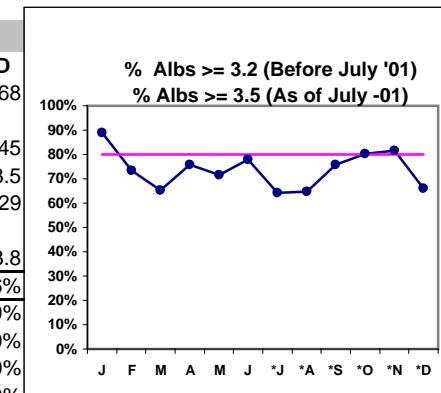
	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# PCR/DPI	61	58	60	64	65	61	66	69	67	68	60	65
# PCR/DPI >= 1.2	20	21	19	19	24	21	19	26	23	22	25	24
Pop. Mean =	1.09	1.10	1.06	1.09	1.07	1.09	1.06	1.07	1.04	1.06	1.09	1.09
Std. Deviation =	0.27	0.26	0.29	0.32	0.29	0.30	0.32	0.30	0.30	0.32	0.24	0.26
Network Mean =												
Natl. Mean =												
% PCR/DPI >= 1.2	33%	36%	32%	30%	37%	34%	29%	38%	34%	32%	42%	37%
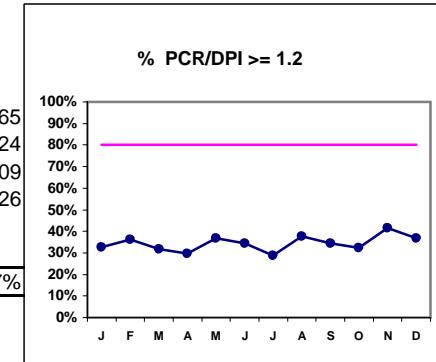
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III. OSTEODYSTROPHY

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# PO4	63	64	66	66	67	68	70	71	70	71	65	68
# PO4 < 6.0	44	50	52	55	54	52	55	50	55	51	49	54
Pop. Mean =	5.4	5.0	5.2	4.9	5.1	4.9	4.8	5.2	5.0	5.2	5.1	5.1
Std. Deviation	1.72	1.61	1.45	1.54	1.36	1.59	1.32	1.48	1.23	1.45	1.36	1.5
Network Mean =												
Natl. Mean =												
% PO4 < 6.0	70%	78%	79%	83%	81%	76%	79%	70%	79%	72%	75%	79%

% PO4 < 6.0
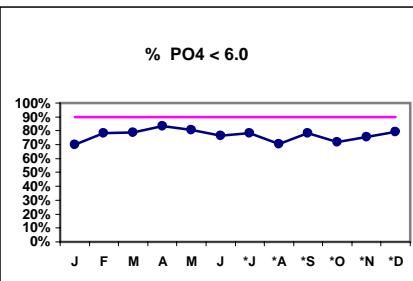
	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# PO4	63	64	66	66	67	68	70	71	70	71	65	68
# PO4 > 3.0	56	61	63	60	66	61	63	67	67	68	62	65
Pop. Mean =	5.4	5.0	5.2	4.9	5.1	4.9	4.8	5.2	5.0	5.2	5.1	5.1
Std. Deviation	1.72	1.61	1.45	1.54	1.36	1.59	1.32	1.48	1.23	1.45	1.36	1.54
Network Mean =												
Natl. Mean =												
% PO4 > 3.0	89%	95%	95%	91%	99%	90%	90%	94%	96%	96%	95%	96%

% PO4 > 3.0
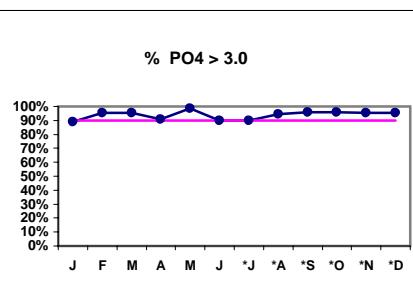
	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Calcium	63	64	66	66	67	68	70	71	70	71	65	68
# Calcium < 11.0	62	63	65	65	66	67	69	69	67	70	64	67
Pop. Mean =	8.9	8.7	9.0	9.0	9.0	9.2	9.4	9.5	9.5	9.2	9.3	9.3
Std. Deviation	0.76	0.68	0.71	0.66	0.72	0.71	0.65	0.81	0.89	0.73	0.65	0.73
Network Mean =												
Natl. Mean =												
% Calcium < 11.0	98%	98%	98%	98%	99%	99%	99%	97%	96%	99%	98%	99%

% Calcium < 11.0
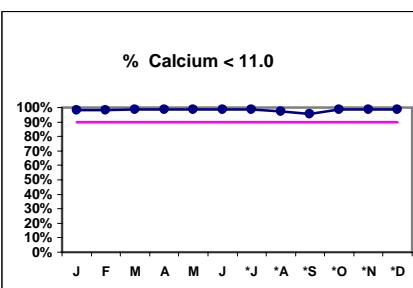
	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Calcium	63	64	66	66	67	68	70	71	70	71	65	68
# Calcium > 8.5	46	37	51	48	53	57	63	65	63	57	58	56
Pop. Mean =	8.9	8.7	9.0	9.0	9.0	9.2	9.4	9.5	9.5	9.2	9.3	9.3
Std. Deviation =	0.76	0.68	0.71	0.66	0.72	0.71	0.65	0.81	0.89	0.73	0.65	0.73
Network Mean =												
Natl. Mean =												
% Calcium > 8.5	73%	58%	77%	73%	79%	84%	90%	92%	90%	80%	89%	82%

% Calcium > 8.5
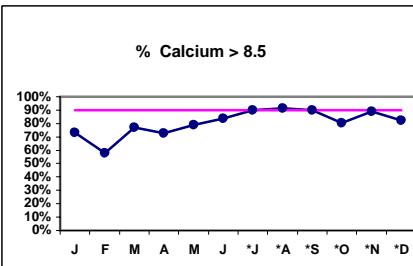
	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# PTH-I			66			44			70			59
# PTH-I > 100			41			38			59			51
Pop. Mean =			231			320			411			355
Std. Deviation =			231			238			467			272
Network Mean =												
Natl. Mean =												
% PTH-I > 100			62%			86%			84%			86%
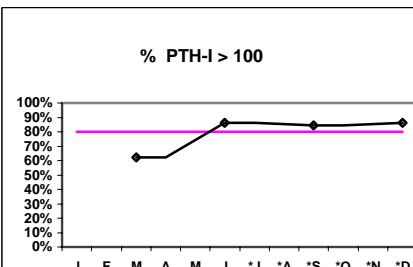
% PTH-I > 100

*Methodology: a) Monthly values based on patient's montly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

Haviland Kidney Center - PCU

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I.j - I.S. Dept.

III. OSTEODYSTROPHY - CONT.

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# PTH-I			66			44			70			59
# PTH-I < 300			48			25			35			34
Pop. Mean =			231			320			411			355
Std. Deviation =			231			238			467			272
Network Mean =												
Natl. Mean =												
% PTH-I < 300			73%			57%			50%			58%

% PTH-I < 300
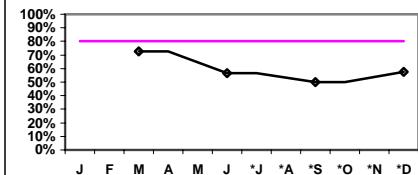
|	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Ca x PO4	63	64	66	66	67	68	70	71	70	71	65	68
# Ca x PO4 <= 65	59	59	58	65	64	58	67	62	66	65	60	57
Pop. Mean =	47.6	43.8	46.8	43.5	46.2	45	45	49.6	47.9	47.7	47.1	47.3
Std. Deviation =	14.7	14.5	13.4	14.1	13.2	15.0	12.9	13.4	11.6	13.1	13.1	14.5
Network Mean =												
Natl. Mean =												
% Ca x PO4 <= 65	94%	92%	88%	98%	96%	85%	96%	87%	94%	92%	92%	84%

% Ca x PO4 <= 65
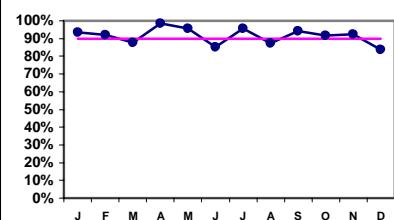
*Methodology: a) Monthly values based on patient's montly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

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IV. ACCESS

	J	F	M	A	M	J	J	A	S	O	N	D
# Access	63	64	66	66	67	68	71	71	70	71	66	69
# Fistula	30	28	31	32	34	37	35	35	36	37	34	35
Network %												
Natl. % - 2000	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
% Fistula	48%	44%	47%	48%	51%	54%	49%	49%	51%	52%	52%	51%

% Fistula
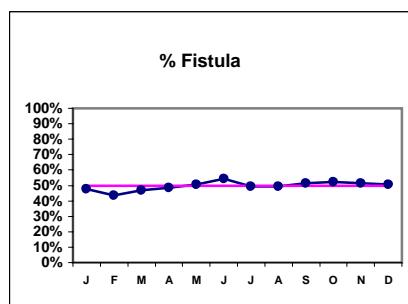
	J	F	M	A	M	J	J	A	S	O	N	D
# Access	63	64	66	66	67	68	71	71	70	71	66	69
# Graft	28	32	29	29	27	29	28	27	27	27	24	28
Network %												
Natl. %												
% Graft	44%	50%	44%	44%	40%	43%	39%	38%	39%	38%	36%	41%

% Graft
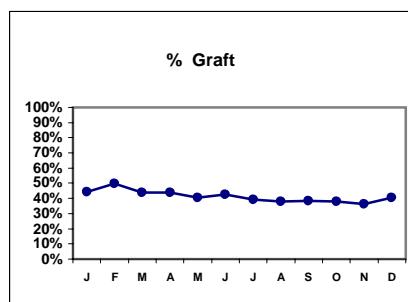
	J	F	M	A	M	J	J	A	S	O	N	D
# Access	63	64	66	66	67	68	71	71	70	71	66	69
# Other	5	4	6	5	6	2	8	9	7	7	8	6
Network %												
Natl. %												
% Other	8%	6%	9%	8%	9%	3%	11%	13%	10%	10%	12%	9%
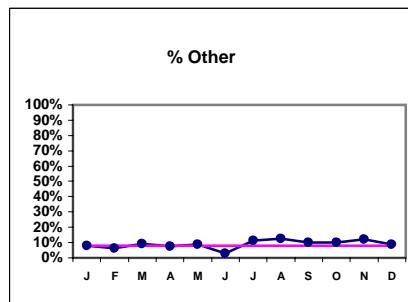
% Other

*Methodology: a) Monthly values based on patient's montly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

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*Hct. values use Coulter method - as of July 2001

V. ANEMIA

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Hct	56	51	62	65	67	65	70	71	70	71	65	68
# Hct > 30.0	55	47	58	62	64	62	54	65	65	67	61	60
Pop. Mean =	35.5	35.2	34.9	35.6	35.6	35.5	33.3	34.4	35.0	35.0	35.5	35.1
Std. Deviation =	2.7	2.9	3.3	3.1	3.2	3.5	3.9	3.6	4.1	3.3	3.5	4.0
Network Mean =	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
Natl. Mean =	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
% Hct > 30.0	98%	92%	94%	95%	96%	95%	77%	92%	93%	94%	94%	88%
*% Network > 30.0	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
% Natl. > 30.0	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%

* Figures for 2000

% Hct > 30.0
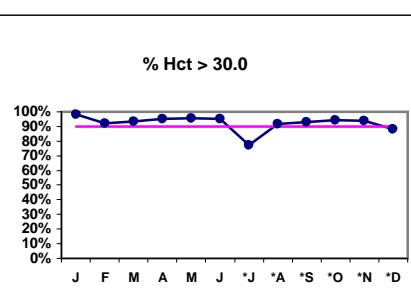
	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Hct	56	51	62	65	67	65	70	71	70	71	65	68
# Hct > 33.0	46	43	45	50	49	49	38	50	50	55	54	52
Pop. Mean =	35.5	35.2	34.9	35.6	35.6	35.5	33.3	34.4	35.0	35.0	35.5	35.1
Std. Deviation =	2.7	2.9	3.3	3.1	3.2	3.5	3.9	3.6	4.1	3.3	3.5	4.0
Network Mean =	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
Natl. Mean =	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
% Hct > 33.0	82%	84%	73%	77%	73%	75%	54%	70%	71%	77%	83%	76%
*% Network > 33.0	74%	74%	74%	74%	74%	74%	74%	74%	74%	74%	74%	74%
*% Natl. > 33.0	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%

*Figures for 2000

% Hct > 33.0
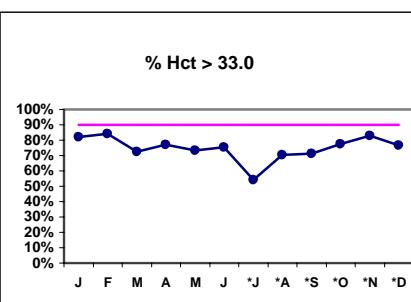
Iron Profile

		M			J		*A		*O		*D
# Ferritin		66			67		69				69
# Ferritin > 100		61			64		67				63
Pop. Mean =		482			474		386				388
Std. Deviation =		263			255		219				229
*Network Mean =		428			428		428				428
Natl. Mean =											
% Ferritin > 100		92%			96%		97%				91%
*% Network > 100		86%			86%		86%				86%

* Figures for 2000
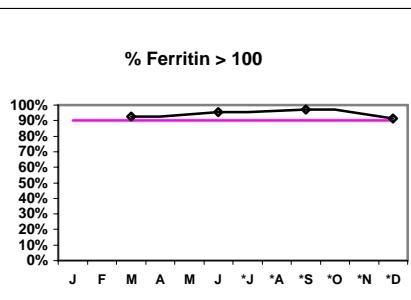
% Ferritin > 100

		M			J		*A		*O		*D
# Ferritin		66			67		69				69
# Ferritin < 800		57			60		67				64
Pop. Mean =		482			474		386				388
Std. Deviation =		263			255		219				229
*Network Mean =		428			428		428				428
Natl. Mean =											
% Ferritin < 800		86%			90%		97%				93%

* Figures for 2000

% Ferritin < 800
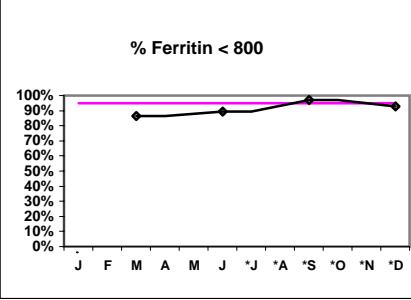
		M			J		*A		*O		*D
# % Sat		66			67		69				69
# % Sat > 20		50			55		51				40
Pop. Mean =		28.9			30.3		27.6				24.8
Std. Deviation =		13			10.7		9.47				10.9
*Network Mean =		27			27		27				27
Natl. Mean =											
% Sat% > 20		76%			82%		74%				58%
*% Network > 20		72%			72%		72%				72%

* Figures for 2000
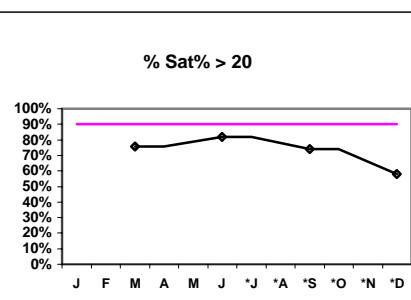
% Sat% > 20

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I.j - I.S. Dept.

V. ANEMIA - CONT.

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# % Sat			66			67			69			69
# % Sat < 50			61			65			68			68
Pop. Mean =			28.9			30.3			27.6			24.8
Std. Deviation =			13			10.7			9.47			10.9
*Network Mean =			27			27			27			27
Natl. Mean =												
% Sat% < 50			92%			97%			99%			99%

* Figures for 2000
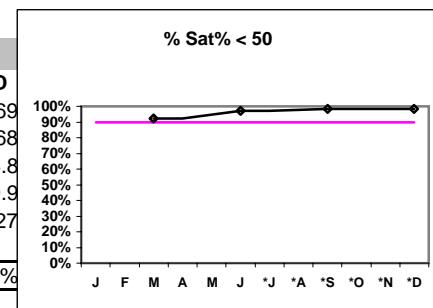
% Sat% < 50

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VI. OTHERS

	D	D	D	D	D	D	D	D	D	D	D	D
Dialyzer ratios												
# Dialyzers	67	67	67	67	67	67	67	67	67	67	67	67
# High Flux	28	28	28	28	28	28	28	28	28	28	28	28
Network %												
Natl. %												
% High Flux	42%	42%	42%	42%	42%	42%	42%	42%	42%	42%	42%	42%

% High Flux
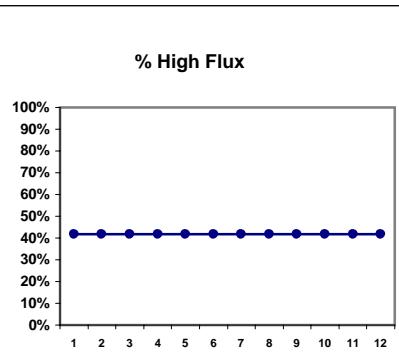
	D	D	D	D	D	D	D	D	D	D	D	D
# Dialyzers	67	67	67	67	67	67	67	67	67	67	67	67
# High Efficiency	7	7	7	7	7	7	7	7	7	7	7	7
Network %												
Natl. %												
% High Efficiency	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%

% High Efficiency
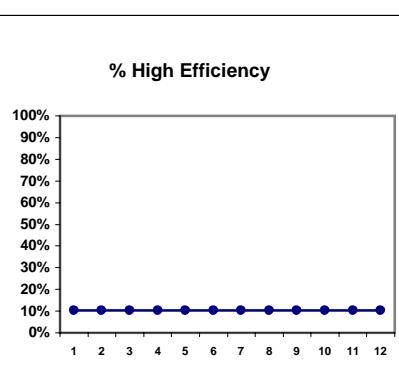
	D	D	D	D	D	D	D	D	D	D	D	D
# Dialyzers	67	67	67	67	67	67	67	67	67	67	67	67
# Standard	32	32	32	32	32	32	32	32	32	32	32	32
Network %												
Natl. %												
% Standard	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%

% Standard

*Methodology: a) Monthly values based on patient's montly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.