

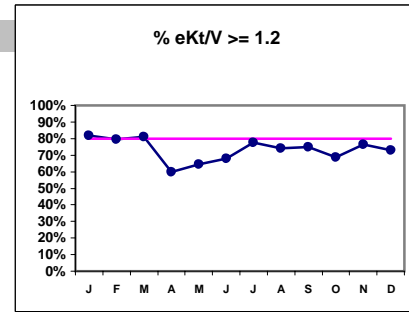
Cascade Kidney Center - Center Hemodialysis
 Quality Assurance Reports (Excludes patients in first 6 months of treatment)
 Through period ending Dec. 31, 2001

I.j - I.S. Dept.

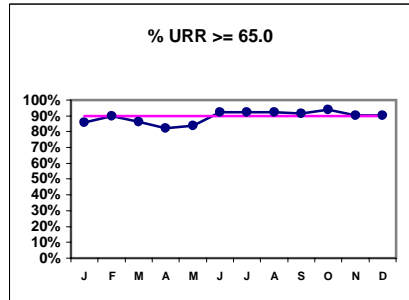
Note: Monthly values with an * are PACLAB values - as of July 2001

I. ADEQUACY OF DIALYSIS

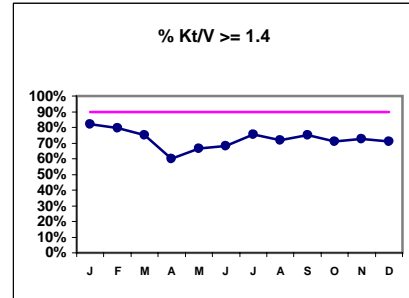
	J	F	M	A	M	J	J	A	S	O	N	D
# eKt/V	50	49	48	50	48	50	49	50	48	48	51	52
# eKt/V >= 1.2	41	39	39	30	31	34	38	37	36	33	39	38
Pop. Mean =	1.3	1.32	1.3	1.25	1.3	1.31	1.36	1.32	1.30	1.29	1.29	1.30
Std. Deviation =	0.21	0.21	0.24	0.28	0.25	0.21	0.33	0.21	0.19	0.18	0.24	0.22
Network Mean =												
Natl. Mean =												
% eKt/V >= 1.2	82%	80%	81%	60%	65%	68%	78%	74%	75%	69%	76%	73%



# URR	50	49	51	51	49	51	52	52	48	49	52	52
# URR >= 65.0	43	44	44	42	41	47	48	48	44	46	47	47
Pop. Mean =	71.8	72.5	72.0	69.8	71.8	72.2	72.8	72.5	72.2	72.0	71.6	71.9
Std. Deviation =	6.85	5.71	8.86	9.58	7.10	5.59	7.10	5.72	5.25	4.81	7.59	5.80
*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	86%	90%	86%	82%	84%	92%	92%	92%	92%	94%	90%	90%
*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%

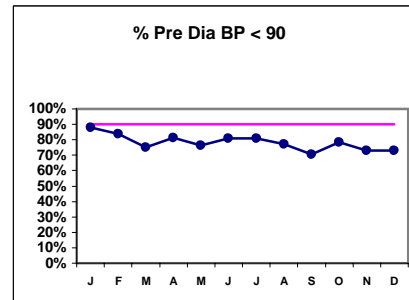


# Kt/V	50	49	48	50	48	50	49	50	48	48	51	52
# Kt/V >= 1.4	41	39	36	30	32	34	37	36	36	34	37	37
Pop. Mean =	1.51	1.54	1.51	1.45	1.52	1.53	1.58	1.53	1.51	1.51	1.51	1.51
Std. Deviation =	0.25	0.25	0.28	0.33	0.29	0.25	0.39	0.26	0.22	0.22	0.28	0.26
Network Mean =												
Natl. Mean 1999 =	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
% Kt/V >= 1.4	82%	80%	75%	60%	67%	68%	76%	72%	75%	71%	73%	71%
% Kt/V > 1.2	88%	92%	90%	86%	85%	94%	94%	94%	94%	94%	90%	92%
Network > 1.2 '99	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%
Natl. % > 1.2 - 2000	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%	86%

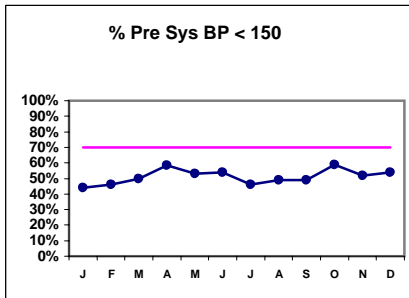


Blood Pressure Control (Pre)

# Pre Dia BP	50	50	52	53	51	52	52	53	51	51	52	52
# Pre Dia BP < 90	44	42	39	43	39	42	42	41	36	40	38	38
Pop. Mean =	77.5	79.3	79.8	79.3	80.9	81	81	80	82	82	83	81
Std. Deviation =	13.7	16.4	14.2	13.1	14.2	13.5	12.9	12.5	15.4	17.5	17.8	14.5
Network Mean =												
Natl. Mean =												
% Pre Dia BP < 90	88%	84%	75%	81%	76%	81%	81%	77%	71%	78%	73%	73%



# Pre Sys BP	50	50	52	53	51	52	52	53	51	51	52	52
# Pre Sys BP < 150	22	23	26	31	27	28	24	26	25	30	27	28
Pop. Mean =	148	150	152	149	150	151	152	150	149	149	153	153
Std. Deviation =	20.3	20.2	21.0	23.3	20.7	23.2	21.8	21.4	23	21	24.6	23.1
Network Mean =												
Natl. Mean =												
% Pre Sys BP < 150	44%	46%	50%	58%	53%	54%	46%	49%	49%	59%	52%	54%



*Methodology: a) Monthly values based on patient's monthly 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.

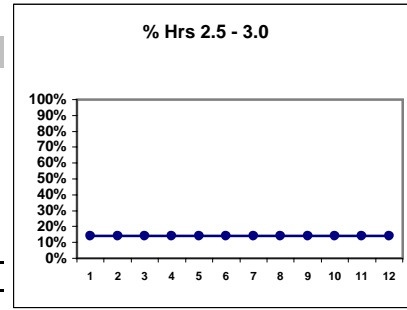
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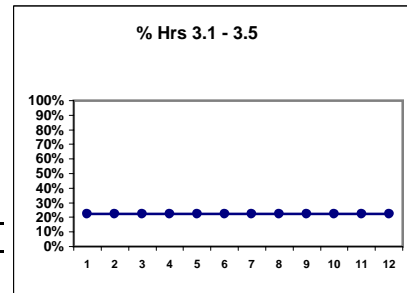
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I. ADEQUACY OF DIALYSIS - CONT.

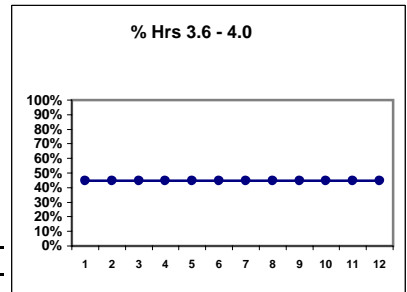
	D	D	D	D	D	D	D	D	D	D	D	D
# Dialysis Hrs	49	49	49	49	49	49	49	49	49	49	49	49
# Hrs. 2.5 - 3.0	7	7	7	7	7	7	7	7	7	7	7	7
Pop. Mean =	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Std. Deviation =	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Network Mean =												
Natl. Mean =												
% Hrs. 2.5 - 3.0	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%



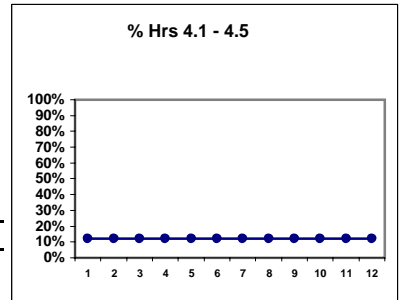
# Dialysis Hrs	49	49	49	49	49	49	49	49	49	49	49	49
# Hrs 3.1 - 3.5	11	11	11	11	11	11	11	11	11	11	11	11
Pop. Mean =	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Std. Deviation =	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Network Mean =												
Natl. Mean =												
% Hrs 3.1 - 3.5	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%



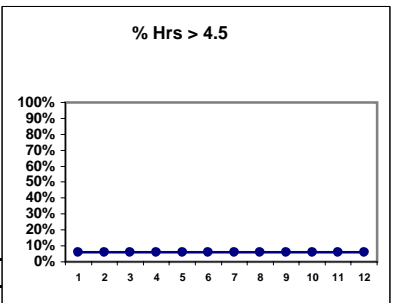
# Dialysis Hrs	49	49	49	49	49	49	49	49	49	49	49	49
# Hrs 3.6 - 4.0	22	22	22	22	22	22	22	22	22	22	22	22
Pop. Mean =	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Std. Deviation =	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Network Mean =												
Natl. Mean =												
% Hrs 3.6 - 4.0	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%



# Dialysis Hrs	49	49	49	49	49	49	49	49	49	49	49	49
# Hrs 4.1 - 4.5	6	6	6	6	6	6	6	6	6	6	6	6
Pop. 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
Std. Deviation =	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Network Mean =												
Natl. Mean =												
% Hrs 4.1 - 4.5	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%



# Dialysis Hrs	49	49	49	49	49	49	49	49	49	49	49	49
# Hrs > 4.5	3	3	3	3	3	3	3	3	3	3	3	3
Pop. 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
Std. Deviation =	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Network Mean =												
Natl. Mean =												
% Hrs > 4.5	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%



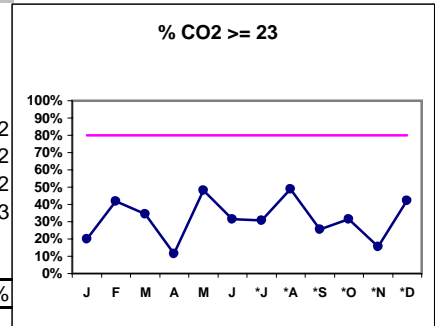
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Through period ending Dec. 31, 2001

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I. ADEQUACY OF DIALYSIS - CONT.

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# CO2	50	50	52	52	50	51	52	53	51	51	52	52
# CO2 >= 23	10	21	18	6	24	16	16	26	13	16	8	22
Pop. Mean =	19.8	21.9	21.2	18.9	21.7	22	22	23	21	21	20	22
Std. Deviation =	2.90	3.44	3.20	3.63	4.35	2.42	2.45	2.63	2.91	3	2.77	2.23
Network Mean =												
Natl. Mean =												
% CO2 >= 23	20%	42%	35%	12%	48%	31%	31%	49%	25%	31%	15%	42%



*Methodology: a) Monthly values based on patient's monthly 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.

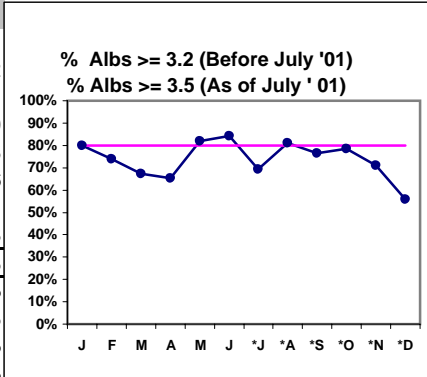
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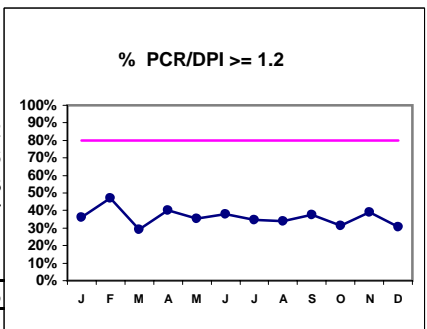
***Albumin values use BCG method - as of July 2001**

II. NUTRITION

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Albumin	50	50	52	52	50	51	52	53	51	51	52	52
# Albumin >= 3.2	40	37	35	34	41	43						
# Albumin >= 3.5							36	43	39	40	37	29
Pop. Mean =	3.43	3.46	3.31	3.31	3.47	3.5	3.6	3.7	3.6	3.7	3.6	3.5
Std. Deviation =	0.37	0.40	0.39	0.35	0.41	0.47	0.29	0.29	0.3	0.29	0.32	0.36
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	80%	74%	67%	65%	82%	84%	69%	81%	76%	78%	71%	56%
CKC % > 3.7							40%	62%	47%	67%	50%	25%
CKC % > 4.0							6%	23%	16%	22%	12%	6%
*Natl.% >= 3.5-BCG							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%



# PCR/DPI	50	49	48	50	48	50	49	50	48	48	51	52
# PCR/DPI >= 1.2	18	23	14	20	17	19	17	17	18	15	20	16
Pop. Mean =	1.07	1.08	1.02	1.07	1.04	1.04	1.08	1.02	1.03	1.01	1.06	1.03
Std. Deviation =	0.24	0.25	0.26	0.27	0.27	0.26	0.26	0.23	0.25	0.25	0.3	0.27
Network Mean =												
Natl. Mean =												
% PCR/DPI >= 1.2	36%	47%	29%	40%	35%	38%	35%	34%	38%	31%	39%	31%



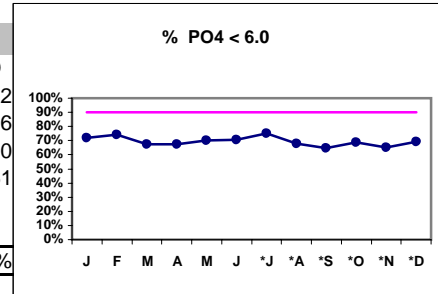
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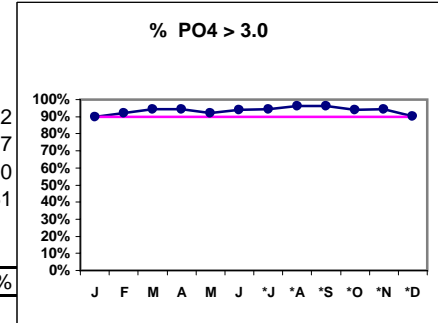
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III. OSTEODYSTROPHY

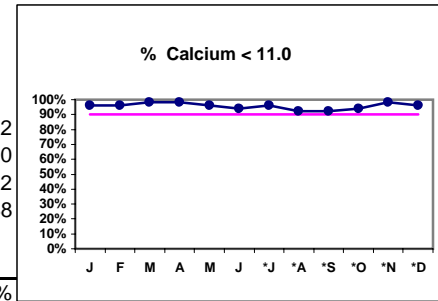
	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# PO4	50	50	52	52	50	51	52	53	51	51	52	52
# PO4 < 6.0	36	37	35	35	35	36	39	36	33	35	34	36
Pop. Mean =	5.26	4.93	5.23	5.44	5.37	5.1	5.2	5.2	5.4	5.4	5.5	5.0
Std. Deviation	1.57	1.44	1.5	2.19	1.6	1.59	1.57	1.57	1.74	1.73	1.66	1.61
Network Mean =												
Natl. Mean =												
% PO4 < 6.0	72%	74%	67%	67%	70%	71%	75%	68%	65%	69%	65%	69%



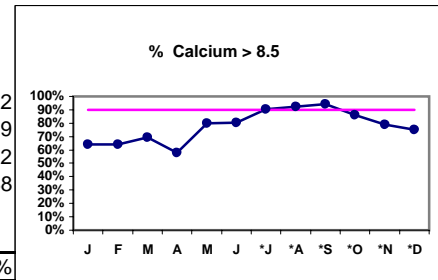
# PO4	50	50	52	52	50	51	52	53	51	51	52	52
# PO4 > 3.0	45	46	49	49	46	48	49	51	49	48	49	47
Pop. Mean =	5.26	4.93	5.23	5.44	5.37	5.1	5.2	5.2	5.4	5.4	5.5	5.0
Std. Deviation	1.57	1.44	1.5	2.19	1.6	1.59	1.57	1.57	1.74	1.73	1.66	1.61
Network Mean =												
Natl. Mean =												
% PO4 > 3.0	90%	92%	94%	94%	92%	94%	94%	96%	96%	94%	94%	90%



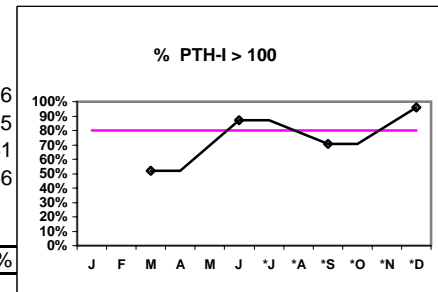
# Calcium	50	50	52	52	50	51	52	53	51	51	52	52
# Calcium < 11.0	48	48	51	51	48	48	50	49	47	48	51	50
Pop. Mean =	8.99	9.04	9.07	8.79	9.25	9.4	9.6	9.6	9.5	9.3	9.1	9.2
Std. Deviation	1.06	1.03	1.02	1.00	0.95	1.01	0.83	0.83	0.81	0.95	0.77	0.88
Network Mean =												
Natl. Mean =												
% Calcium < 11.0	96%	96%	98%	98%	96%	94%	96%	92%	92%	94%	98%	96%



# Calcium	50	50	52	52	50	51	52	53	51	51	52	52
# Calcium > 8.5	32	32	36	30	40	41	47	49	48	44	41	39
Pop. Mean =	8.99	9.04	9.07	8.79	9.25	9.4	9.6	9.6	9.5	9.3	9.1	9.2
Std. Deviation =	1.06	1.03	1.02	1.00	0.95	1.01	0.83	0.83	0.81	0.95	0.77	0.88
Network Mean =												
Natl. Mean =												
% Calcium > 8.5	64%	64%	69%	58%	80%	80%	90%	92%	94%	86%	79%	75%



# PTH-I		52		23		51		26
# PTH-I > 100		27		20		36		25
Pop. Mean =		187		337		287		431
Std. Deviation =		217		232		272		356
Network Mean =								
Natl. Mean =								
% PTH-I > 100		52%		87%		71%		96%



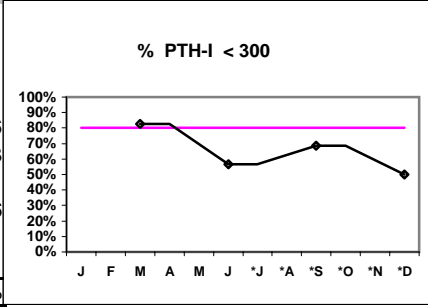
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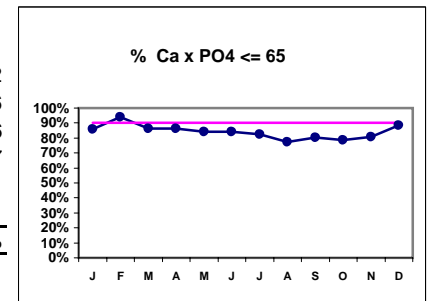
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III. OSTEODYSTROPHY - CONT.

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# PTH-I			52			23			51			26
# PTH-I < 300			43			13			35			13
Pop. Mean =			187			337			287			431
Std. Deviation =			217			232			272			356
Network Mean =												
Natl. Mean =												
% PTH-I < 300			83%			57%			69%			50%



# Ca x PO4	50	50	52	52	50	51	52	53	51	51	52	52
# Ca x PO4 <= 65	43	47	45	45	42	43	43	41	41	40	42	46
Pop. Mean =	47.3	44.5	47.5	47.9	49.5	47.9	50.2	50.3	51.0	49.8	50.1	45.6
Std. Deviation =	15.0	13.6	14.8	20.3	14.8	15.4	15.5	15.4	16.1	15.5	15.2	15.7
Network Mean =												
Natl. Mean =												
% Ca x PO4 <= 65	86%	94%	87%	87%	84%	84%	83%	77%	80%	78%	81%	88%



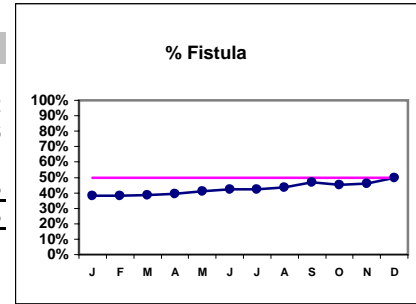
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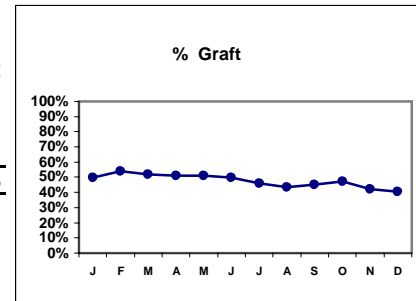
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IV. ACCESS

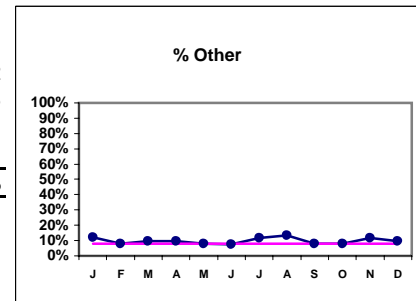
	J	F	M	A	M	J	J	A	S	O	N	D
# Access	50	50	52	53	51	52	52	53	51	51	52	52
# Fistula	19	19	20	21	21	22	22	23	24	23	24	26
Network %												
Natl. % - 2000	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
% Fistula	38%	38%	38%	40%	41%	42%	42%	43%	47%	45%	46%	50%



# Access	50	50	52	53	51	52	52	53	51	51	52	52
# Graft	25	27	27	27	26	26	24	23	23	24	22	21
Network %												
Natl. %												
% Graft	50%	54%	52%	51%	51%	50%	46%	43%	45%	47%	42%	40%



# Access	50	50	52	53	51	52	52	53	51	51	52	52
# Other	6	4	5	5	4	4	6	7	4	4	6	5
Network %												
Natl. %												
% Other	12%	8%	10%	9%	8%	8%	12%	13%	8%	8%	12%	10%



*Methodology: a) Monthly values based on patient's monthly 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.

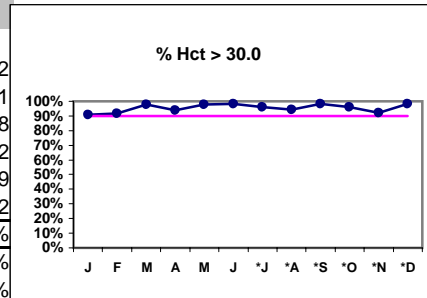
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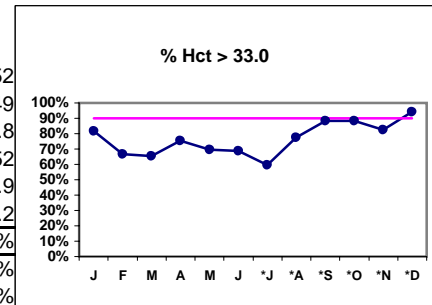
***Hct. values use Coulter method - as of July 2001**

V. ANEMIA

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Hct	44	48	46	49	43	51	52	53	51	51	52	52
# Hct > 30.0	40	44	45	46	42	50	50	50	50	49	48	51
Pop. Mean =	35.2	34.6	35.3	35.4	35.5	35.2	33.9	34.6	36.8	37.1	36.2	36.8
Std. Deviation =	3.22	3.13	3.72	3.81	3.03	3.14	2.79	2.56	3.29	4.17	4.52	3.52
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	91%	92%	98%	94%	98%	98%	96%	94%	98%	96%	92%	98%
*** 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%

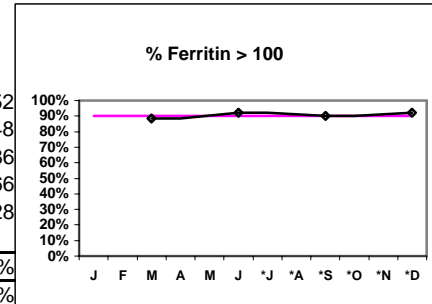


# Hct	44	48	46	49	43	51	52	53	51	51	52	52
# Hct > 33.0	36	32	30	37	30	35	31	41	45	45	43	49
Pop. Mean =	35.2	34.6	35.3	35.4	35.5	35.2	33.9	34.6	36.8	37.1	36.2	36.8
Std. Deviation =	3.22	3.13	3.72	3.81	3.03	3.14	2.79	2.56	3.29	4.17	4.52	3.52
Network Mean =	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	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%	67%	65%	76%	70%	69%	60%	77%	88%	88%	83%	94%
*** 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%

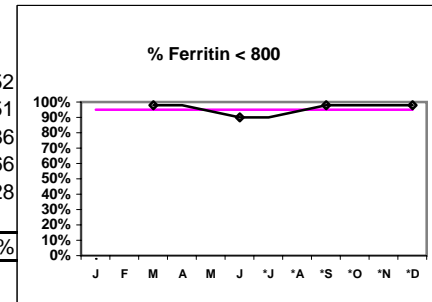


Iron Profile

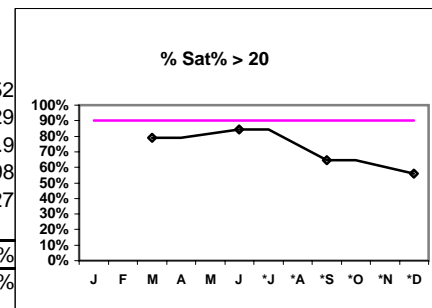
# Ferritin	52	51	51	52
# Ferritin > 100	46	47	46	48
Pop. Mean =	347	381	316	286
Std. Deviation =	190	268	186	166
*Network Mean =	428	428	428	428
Natl. Mean =				
% Ferritin > 100	88%	92%	90%	92%
*** Network > 100	86%	86%	86%	86%



# Ferritin	52	51	51	52
# Ferritin < 800	51	46	50	51
Pop. Mean =	347	381	316	286
Std. Deviation =	190	268	186	166
*Network Mean =	428	428	428	428
Natl. Mean =				
% Ferritin < 800	98%	90%	98%	98%



# % Sat	52	51	51	52
# % Sat > 20	41	43	33	29
Pop. Mean =	27.2	30.6	25.9	22.9
Std. Deviation =	9.49	11.8	10.5	7.98
*Network Mean =	27	27.0	27	27
Natl. Mean =				
% Sat% > 20	79%	84%	65%	56%
*** Network > 20	72%	72%	72%	72%



*Methodology: a) Monthly values based on patient's monthly 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.

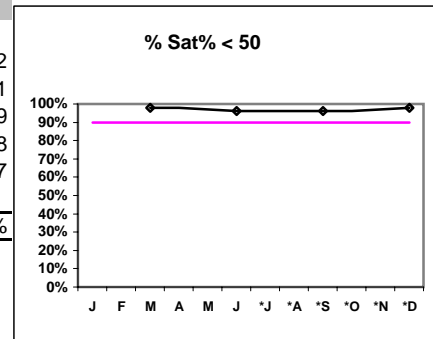
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V. ANEMIA - CONT.

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# % Sat			52			51			51			52
# % Sat < 50			51			49			49			51
Pop. Mean =			27.2			30.6			25.9			22.9
Std. Deviation =			9.49			11.8			10.5			7.98
*Network Mean =			27			27.0			27			27
Natl. Mean =												
% Sat% < 50			98%			96%			96%			98%

*Figures for 2000



*Methodology: a) Monthly values based on patient's monthly 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.

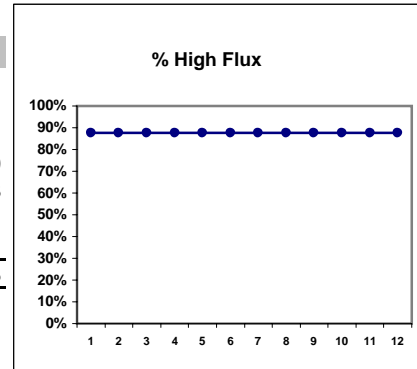
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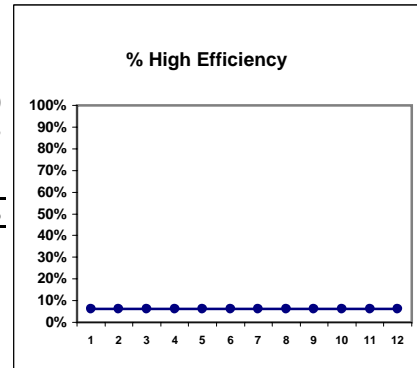
DO NOT USE THIS PAGE!!!

VI. OTHERS

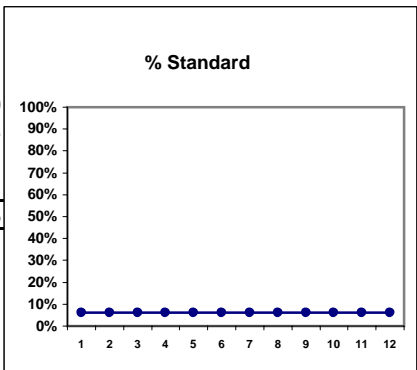
	D	D	D	D	D	D	D	D	D	D	D	D
Dialyzer ratios												
# Dialyzers	49	49	49	49	49	49	49	49	49	49	49	49
# High Flux	43	43	43	43	43	43	43	43	43	43	43	43
Network %												
Natl. %												
% High Flux	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%	88%



# Dialyzers	49	49	49	49	49	49	49	49	49	49	49	49
# High Efficiency	3	3	3	3	3	3	3	3	3	3	3	3
Network %												
Natl. %												
% High Efficiency	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%



# Dialyzers	49	49	49	49	49	49	49	49	49	49	49	49
# Standard	3	3	3	3	3	3	3	3	3	3	3	3
Network %												
Natl. %												
% Standard	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%



*Methodology: a) Monthly values based on patient's monthly 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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*Methodology: a) Monthly values based on patient's monthly 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.