

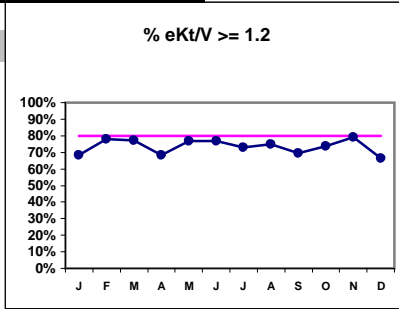
Lake Washington Kidney Center - Center Hemodialysis
 Quality Assurance Reports (Excludes patients in first 6 months of treatment)
 Through period ending Dec. 31, 2001

I.j - I.S. Dept.

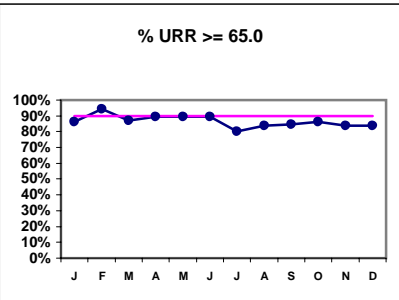
Note: Monthly values with an * are PACLAB values - as of July 2001

I. ADEQUACY OF DIALYSIS

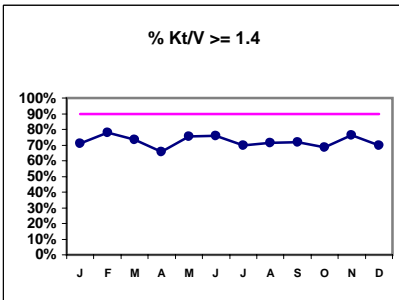
	J	F	M	A	M	J	J	A	S	O	N	D
# eKt/V	79	86	83	82	86	87	89	87	85	80	81	80
# eKt/V >= 1.2	54	67	64	56	66	67	65	65	59	59	64	53
Pop. Mean =	1.34	1.36	1.30	1.32	1.36	1.36	1.32	1.34	1.35	1.34	1.36	1.37
Std. Deviation =	0.33	0.24	0.22	0.29	0.27	0.31	0.26	0.25	0.26	0.35	0.36	0.42
Network Mean =												
Natl. Mean =												
% eKt/V >= 1.2	68%	78%	77%	68%	77%	77%	73%	75%	69%	74%	79%	66%



# URR	79	86	84	85	87	87	90	87	85	80	81	80
# URR >= 65.0	68	81	73	76	78	78	72	73	72	69	68	67
Pop. Mean =	72.4	73.3	72.2	72.5	73.5	73.2	72.1	72.3	72.6	72.1	72.7	72.4
Std. Deviation =	7.58	6.39	6.92	6.85	7.20	6.9	7.1	7.5	6.8	7.4	7.5	8.9
*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%	94%	87%	89%	90%	90%	80%	84%	85%	86%	84%	84%
*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%

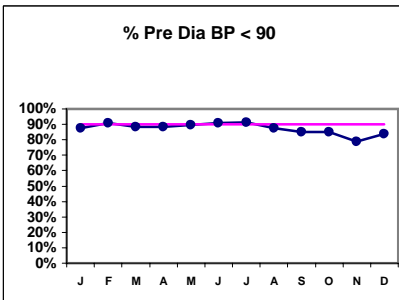


# Kt/V	79	86	83	82	86	87	89	87	85	80	80	80
# Kt/V >= 1.4	56	67	61	54	65	66	62	62	61	55	61	56
Pop. Mean =	1.56	1.59	1.51	1.54	1.58	1.58	1.53	1.55	1.56	1.56	1.59	1.60
Std. Deviation =	0.39	0.29	0.26	0.36	0.33	0.38	0.32	0.31	0.32	0.41	0.41	0.51
Network Mean =												
Natl. Mean 1999 =	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
% Kt/V >= 1.4	71%	78%	73%	66%	76%	76%	70%	71%	72%	69%	76%	70%
% Kt/V > 1.2	87%	95%	87%	89%	92%	90%	83%	86%	88%	90%	86%	85%
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%

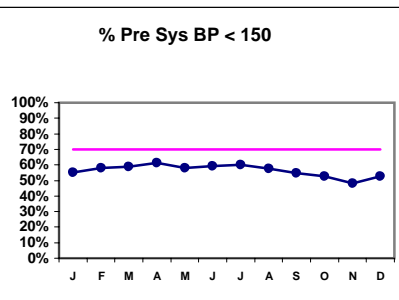


Blood Pressure Control (Pre)

# Pre Dia BP	80	86	85	85	88	88	90	87	86	80	81	80
# Pre Dia BP < 90	70	78	75	75	79	80	82	76	73	68	64	67
Pop. Mean =	77.3	77.8	77.7	78.3	76.8	76.9	77	77.7	77.6	78.6	78.7	78.8
Std. Deviation =	11.3	10.3	11.7	14.9	10.9	12.2	10.6	11.3	11.1	13.4	12.5	12
Network Mean =												
Natl. Mean =												
% Pre Dia BP < 90	88%	91%	88%	88%	90%	91%	91%	87%	85%	85%	79%	84%



# Pre Sys BP	80	86	85	85	88	88	90	87	86	80	81	80
# Pre Sys BP < 150	44	50	50	52	51	52	54	50	47	42	39	42
Pop. Mean =	146	146	146	145	145	145	146	146	147	148	148	148
Std. Deviation =	22.8	21.1	21.6	21.3	19.5	21.3	20.8	20.8	20.8	22.2	22.5	22.7
Network Mean =												
Natl. Mean =												
% Pre Sys BP < 150	55%	58%	59%	61%	58%	59%	60%	57%	55%	53%	48%	53%



*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.

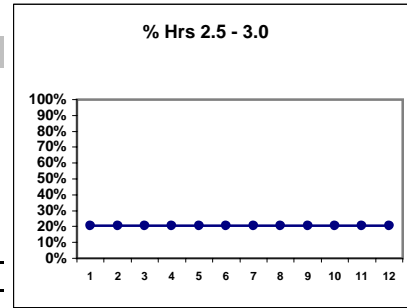
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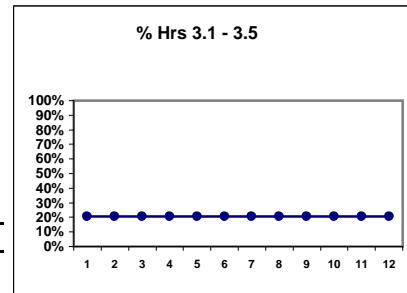
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I. ADEQUACY OF DIALYSIS - CONT.

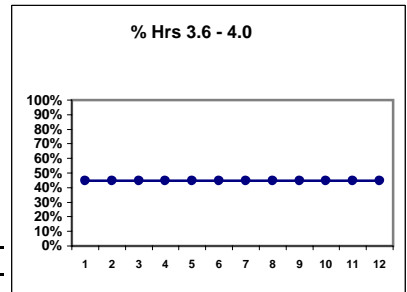
	D	D	D	D	D	D	D	D	D	D	D	D
# Dialysis Hrs	78	78	78	78	78	78	78	78	78	78	78	78
# Hrs. 2.5 - 3.0	16	16	16	16	16	16	16	16	16	16	16	16
Pop. Mean =	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Std. Deviation =	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
Network Mean =												
Natl. Mean =												
% Hrs. 2.5 - 3.0	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%



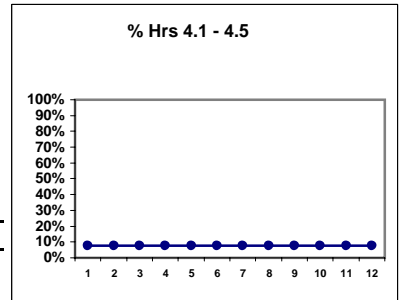
# Dialysis Hrs	78	78	78	78	78	78	78	78	78	78	78	78
# Hrs 3.1 - 3.5	16	16	16	16	16	16	16	16	16	16	16	16
Pop. Mean =	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Std. Deviation =	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
Network Mean =												
Natl. Mean =												
% Hrs 3.1 - 3.5	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%



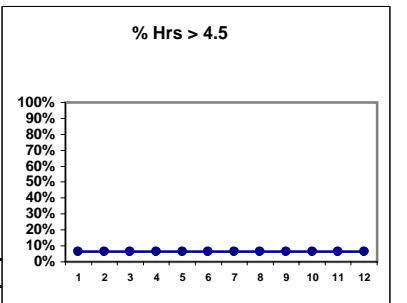
# Dialysis Hrs	78	78	78	78	78	78	78	78	78	78	78	78
# Hrs 3.6 - 4.0	35	35	35	35	35	35	35	35	35	35	35	35
Pop. Mean =	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Std. Deviation =	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
Network Mean =												
Natl. Mean =												
% Hrs 3.6 - 4.0	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%



# Dialysis Hrs	78	78	78	78	78	78	78	78	78	78	78	78
# Hrs 4.1 - 4.5	6	6	6	6	6	6	6	6	6	6	6	6
Pop. Mean =	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Std. Deviation =	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
Network Mean =												
Natl. Mean =												
% Hrs 4.1 - 4.5	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%



# Dialysis Hrs	78	78	78	78	78	78	78	78	78	78	78	78
# Hrs > 4.5	5	5	5	5	5	5	5	5	5	5	5	5
Pop. Mean =	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Std. Deviation =	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
Network Mean =												
Natl. Mean =												
% Hrs > 4.5	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%



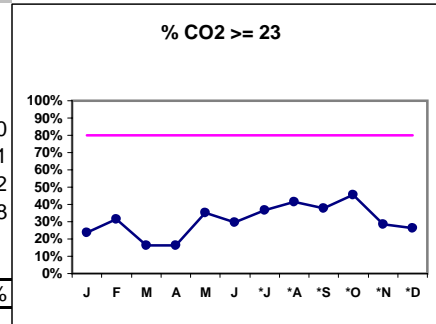
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I. ADEQUACY OF DIALYSIS - CONT.

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# CO2	80	86	85	85	88	88	90	87	85	79	81	80
# CO2 >= 23	19	27	14	14	31	26	33	36	32	36	23	21
Pop. Mean =	20.4	21.2	20.2	19.6	21.4	21	22	22	21	22	21	22
Std. Deviation =	2.95	2.93	2.72	2.52	2.75	2.95	2.48	2.27	3.56	3.87	2.71	2.38
Network Mean =												
Natl. Mean =												
% CO2 >= 23	24%	31%	16%	16%	35%	30%	37%	41%	38%	46%	28%	26%



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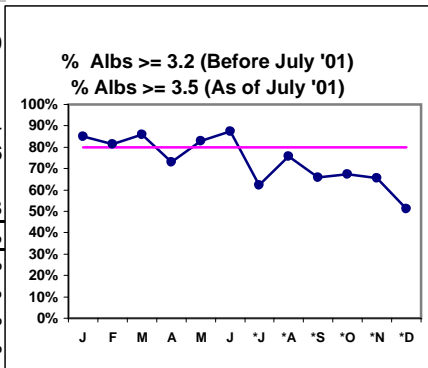
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***Albumin values use BCG method - as of July 2001**

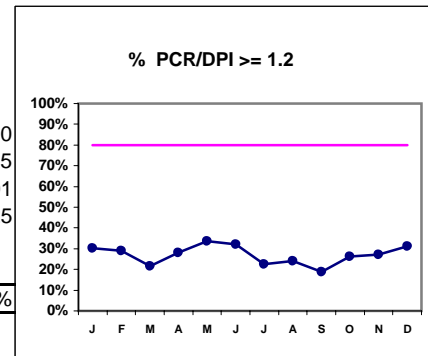
II. NUTRITION

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Albumin	80	86	85	85	88	88	90	87	85	80	81	80
# Albumin >= 3.2	68	70	73	62	73	77						
# Albumin >= 3.5							56	66	56	54	53	41
Pop. Mean =	3.53	3.52	3.48	3.4	3.55	3.6	3.5	3.7	3.6	3.6	3.6	3.4
Std. Deviation =	0.39	0.41	0.36	0.41	0.47	0.41	0.33	0.32	0.31	0.33	0.34	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	85%	81%	86%	73%	83%	88%	62%	76%	66%	68%	65%	51%
LWKC % >= 3.7							33%	51%	42%	50%	41%	30%
LWKC % >= 4.0							11%	22%	11%	14%	16%	5%
*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%

*Figures for 2000



# PCR/DPI	79	86	83	82	86	87	89	87	85	80	81	80
# PCR/DPI >= 1.2	24	25	18	23	29	28	20	21	16	21	22	25
Pop. Mean =	1.04	1.04	1.00	1.04	1.04	1.05	1.00	1.01	0.97	0.99	1.02	1.01
Std. Deviation =	0.26	0.28	0.28	0.27	0.25	0.26	0.25	0.26	0.22	0.27	0.25	0.25
Network Mean =												
Natl. Mean =												
% PCR/DPI >= 1.2	30%	29%	22%	28%	34%	32%	22%	24%	19%	26%	27%	31%



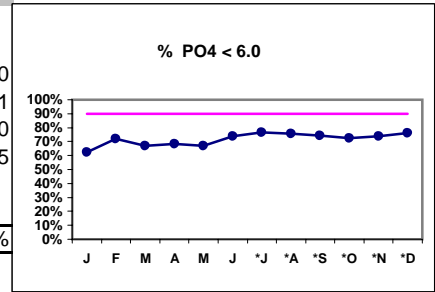
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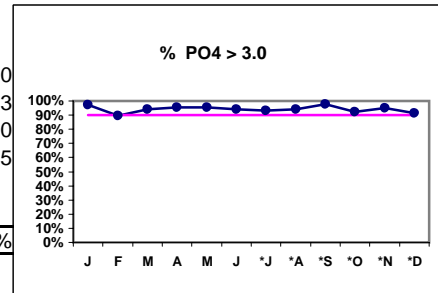
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III. OSTEODYSTROPHY

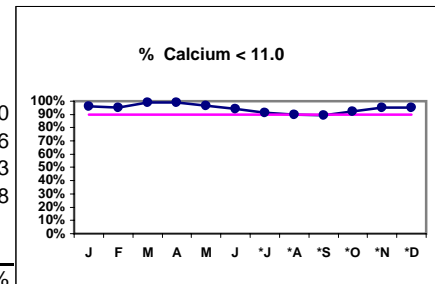
	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# PO4	80	86	85	85	88	88	90	87	85	80	81	80
# PO4 < 6.0	50	62	57	58	59	65	69	66	63	58	60	61
Pop. Mean =	5.4	5.0	5.3	5.2	5.5	5.3	5.1	5.2	5.3	5.1	5.2	5.0
Std. Deviation	1.54	1.82	1.83	1.72	1.79	1.7	1.5	1.6	1.7	1.4	1.6	1.5
Network Mean =												
Natl. Mean =												
% PO4 < 6.0	63%	72%	67%	68%	67%	74%	77%	76%	74%	73%	74%	76%



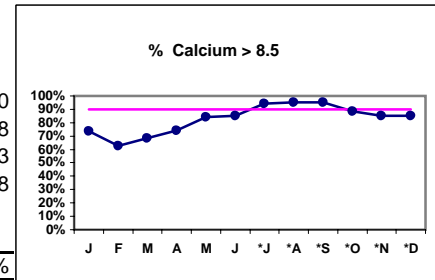
# PO4	80	86	85	85	88	88	90	87	85	80	81	80
# PO4 > 3.0	78	77	80	81	84	83	84	82	83	74	77	73
Pop. Mean =	5.4	5.0	5.3	5.2	5.5	5.3	5.1	5.2	5.3	5.1	5.2	5.0
Std. Deviation	1.54	1.82	1.83	1.72	1.79	1.7	1.5	1.6	1.7	1.4	1.6	1.5
Network Mean =												
Natl. Mean =												
% PO4 > 3.0	98%	90%	94%	95%	95%	94%	93%	94%	98%	93%	95%	91%



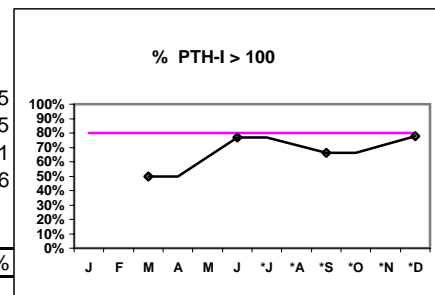
# Calcium	80	86	85	85	88	88	90	87	85	80	81	80
# Calcium < 11.0	77	82	84	84	85	83	82	78	76	74	77	76
Pop. Mean =	9.07	9.01	8.84	9.06	9.3	9.5	9.7	9.8	9.8	9.5	9.4	9.3
Std. Deviation	1.02	1.00	0.90	0.80	0.90	0.93	0.89	0.82	0.8	0.89	0.81	0.8
Network Mean =												
Natl. Mean =												
% Calcium < 11.0	96%	95%	99%	99%	97%	94%	91%	90%	89%	93%	95%	95%



# Calcium	80	86	85	85	88	88	90	87	85	80	81	80
# Calcium > 8.5	59	54	58	63	74	75	85	83	81	71	69	68
Pop. Mean =	9.07	9.01	8.84	9.06	9.3	9.5	9.7	9.8	9.8	9.5	9.4	9.3
Std. Deviation =	1.02	1.00	0.90	0.80	0.90	0.93	0.89	0.82	0.8	0.89	0.81	0.8
Network Mean =												
Natl. Mean =												
% Calcium > 8.5	74%	63%	68%	74%	84%	85%	94%	95%	95%	89%	85%	85%



# PTH-I		84		39		86		45
# PTH-I > 100		42		30		57		35
Pop. Mean =		182		302		254		281
Std. Deviation =		222		241		267		216
Network Mean =								
Natl. Mean =								
% PTH-I > 100		50%		77%		66%		78%



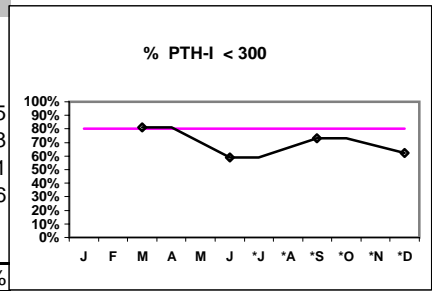
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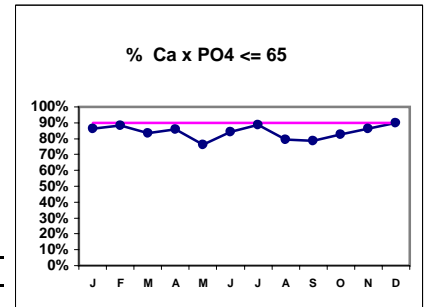
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III. OSTEODYSTROPHY - CONT.

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# PTH-I			84			39			86			45
# PTH-I < 300			68			23			63			28
Pop. Mean =			182			302			254			281
Std. Deviation =			222			241			267			216
Network Mean =												
Natl. Mean =												
% PTH-I < 300			81%			59%			73%			62%



# Ca x PO4	80	86	85	85	88	88	90	87	85	80	81	80
# Ca x PO4 <= 65	69	76	71	73	67	74	80	69	67	66	70	72
Pop. Mean =	49.2	45.3	46.9	47.1	51.3	50.2	49.2	50.6	51.3	48.6	48.6	46.8
Std. Deviation =	15	16.3	16.3	15.4	17.1	16.0	14.0	15.5	16.5	14.7	15.4	14.6
Network Mean =												
Natl. Mean =												
% Ca x PO4 <= 65	86%	88%	84%	86%	76%	84%	89%	79%	79%	83%	86%	90%



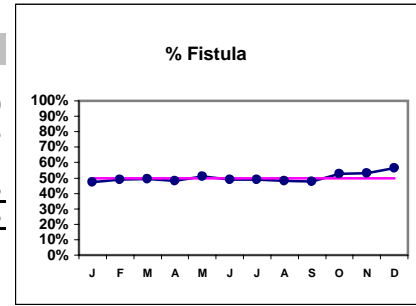
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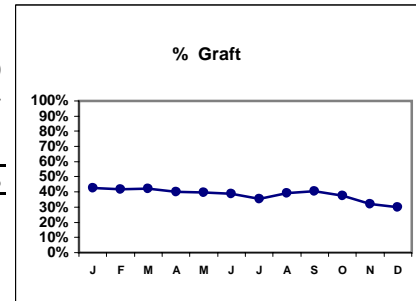
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IV. ACCESS

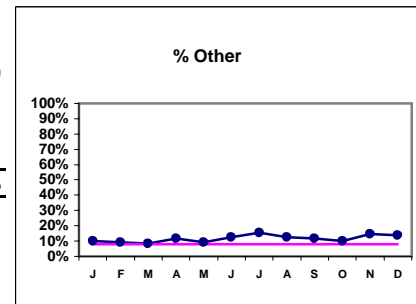
	J	F	M	A	M	J	J	A	S	O	N	D
# Access	80	86	85	85	88	88	90	87	86	80	81	80
# Fistula	38	42	42	41	45	43	44	42	41	42	43	45
Network %												
Natl. % - 2000	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
% Fistula	48%	49%	49%	48%	51%	49%	49%	48%	48%	53%	53%	56%



# Access	80	86	85	85	88	88	90	87	86	80	81	80
# Graft	34	36	36	34	35	34	32	34	35	30	26	24
Network %												
Natl. %												
% Graft	43%	42%	42%	40%	40%	39%	36%	39%	41%	38%	32%	30%



# Access	80	86	85	85	88	88	90	87	86	80	81	80
# Other	8	8	7	10	8	11	14	11	10	8	12	11
Network %												
Natl. %												
% Other	10%	9%	8%	12%	9%	13%	16%	13%	12%	10%	15%	14%



*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.

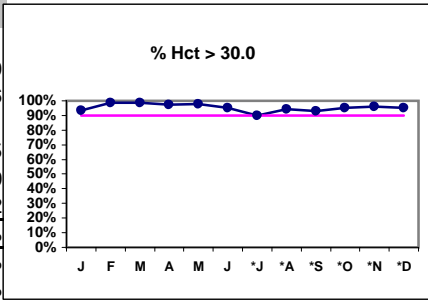
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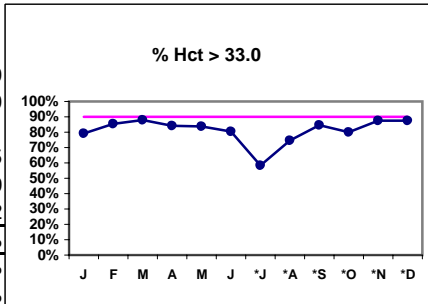
***Hct. values use Coulter method - as of July 2001**

V. ANEMIA

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# Hct	77	83	83	83	87	86	89	87	85	80	80	80
# Hct > 30.0	72	82	82	81	85	82	80	82	79	76	77	76
Pop. Mean =	35.8	36.3	36.7	36.6	35.7	35.1	33.9	34.5	35.7	35.7	36.4	36.1
Std. Deviation =	3.88	3.54	3.52	3.66	2.84	3.0	3.1	3.4	3.8	4.1	3.6	3.5
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	94%	99%	99%	98%	98%	95%	90%	94%	93%	95%	96%	95%
*% 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%

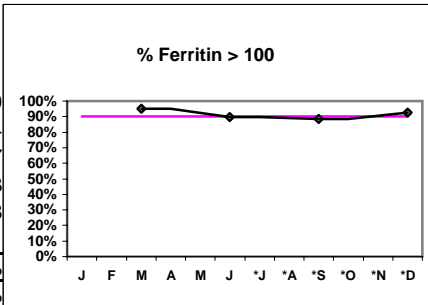


# Hct	77	83	83	83	87	86	89	87	85	80	80	80
# Hct > 33.0	61	71	73	70	73	69	52	65	72	64	70	70
Pop. Mean =	35.8	36.3	36.7	36.6	35.7	35.1	33.9	34.5	35.7	35.7	36.4	36.1
Std. Deviation =	3.88	3.54	3.52	3.66	2.84	3.0	3.1	3.4	3.8	4.1	3.6	3.5
Network Mean =	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	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	79%	86%	88%	84%	84%	80%	58%	75%	85%	80%	88%	88%
*% 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%

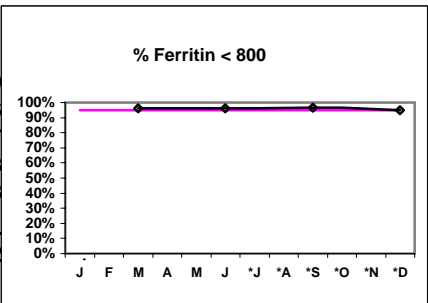


Iron Profile

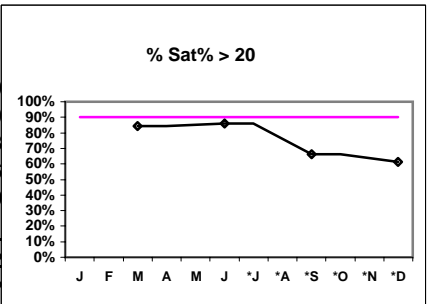
# Ferritin		83		79		86		80
# Ferritin > 100		79		71		76		74
Pop. Mean =		367		397		340		357
Std. Deviation =		211		235		206		263
*Network Mean =		428		428		428		428
Natl. Mean =								
% Ferritin > 100		95%		90%		88%		93%
*% Network > 100		86%		86%		86%		86%



# Ferritin		83		79		86		80
# Ferritin < 800		80		76		83		76
Pop. Mean =		367		397		340		357
Std. Deviation =		211		235		206		263
*Network Mean =		428		428		428		428
Natl. Mean =								
% Ferritin < 800		96%		96%		97%		95%



# % Sat		83		79		86		80
# % Sat > 20		70		68		57		49
Pop. Mean =		30		31.9		27.3		26.8
Std. Deviation =		13.8		14		12.9		12.6
*Network Mean =		27		27.0		27.0		27.0
Natl. Mean =								
% Sat% > 20		84%		86%		66%		61%
*% 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.

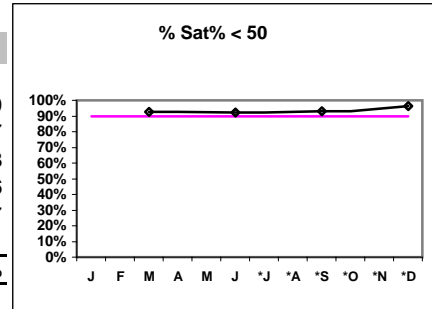
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V. ANEMIA - CONT.

	J	F	M	A	M	J	*J	*A	*S	*O	*N	*D
# % Sat			83			79			86			80
# % Sat < 50			77			73			80			77
Pop. Mean =			30			31.9			27.3			26.8
Std. Deviation =			13.8			14			12.9			12.6
*Network Mean =			27			27.0			27.0			27
Natl. Mean =												
% Sat% < 50			93%			92%			93%			96%

*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.

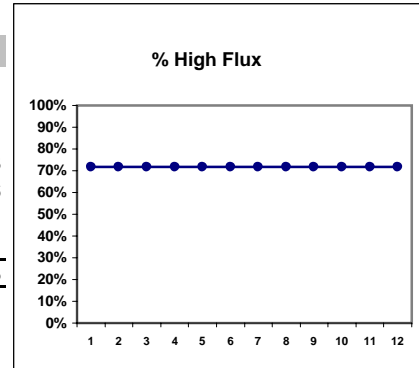
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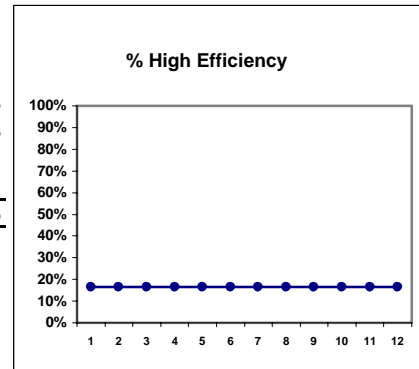
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VI. OTHERS

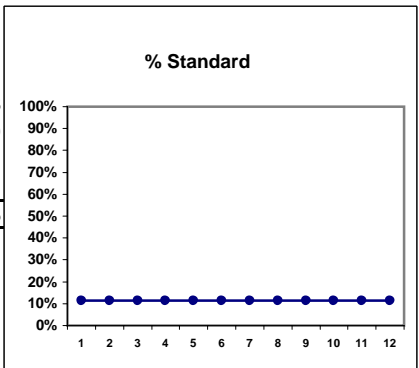
	D	D	D	D	D	D	D	D	D	D	D	D
Dialyzer ratios												
# Dialyzers	78	78	78	78	78	78	78	78	78	78	78	78
# High Flux	56	56	56	56	56	56	56	56	56	56	56	56
Network %												
Natl. %												
% High Flux	72%	72%	72%	72%	72%	72%	72%	72%	72%	72%	72%	72%



# Dialyzers	78	78	78	78	78	78	78	78	78	78	78	78
# High Efficiency	13	13	13	13	13	13	13	13	13	13	13	13
Network %												
Natl. %												
% High Efficiency	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%



# Dialyzers	78	78	78	78	78	78	78	78	78	78	78	78
# Standard	9	9	9	9	9	9	9	9	9	9	9	9
Network %												
Natl. %												
% Standard	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%



*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.