

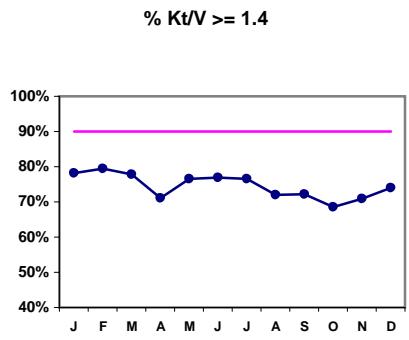
Haviland Kidney Center - PCU

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Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)
Through period ending December 31, 2003

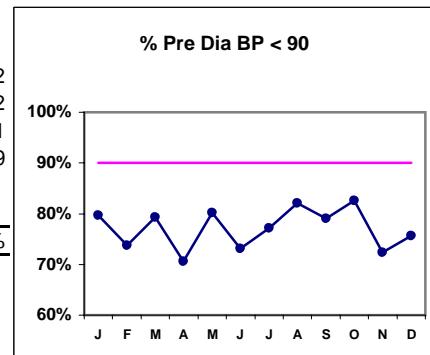
I. ADEQUACY OF DIALYSIS

	J	F	M	A	M	J	J	A	S	O	N	D
# Kt/V	78	78	81	83	85	82	81	82	86	86	86	81
# Kt/V >= 1.4	61	62	63	59	65	63	62	59	62	59	61	60
Pop. Mean =	1.56	1.63	1.57	1.65	1.61	1.57	1.58	1.57	1.58	1.52	1.55	1.57
Std. Deviation =	0.28	0.58	0.32	0.73	0.36	0.34	0.29	0.28	0.43	0.29	0.35	0.29
Network Mean =	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
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	78%	79%	78%	71%	76%	77%	77%	72%	72%	69%	71%	74%
% Kt/V > 1.2	90%	88%	91%	86%	87%	85%	95%	91%	90%	90%	87%	89%
Network > 1.2 '00	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Natl. % > 1.2 - 2001	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%

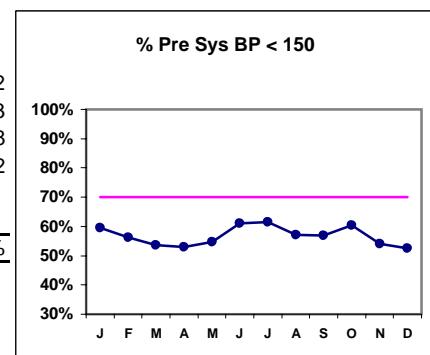


Blood Pressure Control (Pre)

# Pre Dia BP	79	80	82	85	86	82	83	84	86	86	87	82
# Pre Dia BP < 90	63	59	65	60	69	60	64	69	68	71	63	62
Pop. Mean =	80	83	82	83	82	82	80	80	80	81	80	81
Std. Deviation =	11	12.8	11.6	11.8	12.2	11.8	11.7	11.2	11.2	13.6	12.6	11.9
Network Mean =												
Natl. Mean =												
% Pre Dia BP < 90	80%	74%	79%	71%	80%	73%	77%	82%	79%	83%	72%	76%



# Pre Sys BP	79	80	82	85	86	82	83	84	86	86	87	82
# Pre Sys BP < 150	47	45	44	45	47	50	51	48	49	52	47	43
Pop. Mean =	147	149	149	148	148	147	144	146	145	146	147	148
Std. Deviation =	16.6	18	19.2	19.8	19.4	18.6	17.7	19.1	19.5	19.4	20	19.2
Network Mean =												
Natl. Mean =												
% Pre Sys BP < 150	59%	56%	54%	53%	55%	61%	61%	57%	57%	60%	54%	52%



*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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Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)
Through period ending December 31, 2003

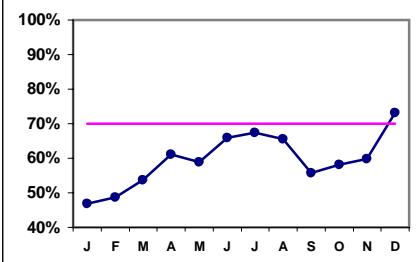
I. ADEQUACY OF DIALYSIS - CONT.

	J	F	M	A	M	J	J	A	S	O	N	D
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# Post/Dwt	79	80	82	85	85	82	83	84	86	86	87	82
# +/- 1% of Dwt	37	39	44	52	50	54	56	55	48	50	52	60

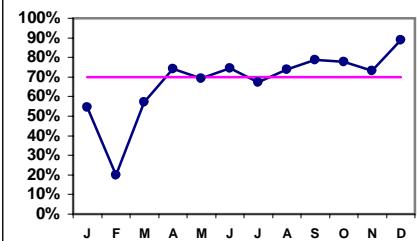
% +/- 1% of Dwt	47%	49%	54%	61%	59%	66%	67%	65%	56%	58%	60%	73%
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% +/- 1% of Dwt



# CO2	79	80	82	85	85	82	83	84	85	86	86	82
# CO2 >= 23	43	16	47	63	59	61	56	62	67	67	63	73
Pop. Mean =	22	20	23	24	24	24	24	24	24	24	25	25
Std. Deviation =	2.40	2.56	2.35	2.73	4.60	3.06	3.35	3.02	3.73	3.42	4.71	2.98
Network Mean =												
Natl. Mean =												
% CO2 >= 23	54%	20%	57%	74%	69%	74%	67%	74%	79%	78%	73%	89%

% CO2 >= 23



*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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Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)

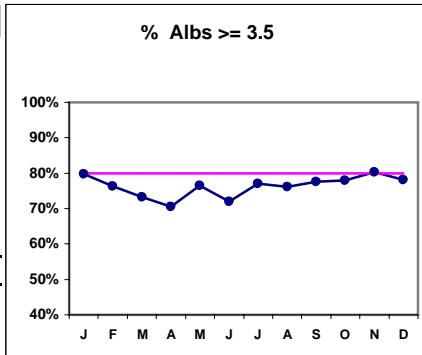
Through period ending December 31, 2003

*Albumin values use BCG method - as of July 2001

II. NUTRITION

	J	F	M	A	M	J	J	A	S	O	N	D
# Albumin	79	80	82	85	85	82	83	84	85	86	86	82
# Albumin >= 3.5	63	61	60	60	65	59	64	64	66	67	69	64
Pop. Mean =	3.7	3.7	3.7	3.6	3.6	3.6	3.7	3.7	3.7	3.6	3.7	3.7
Std. Deviation =	0.32	0.38	0.37	0.37	0.37	0.39	0.38	0.39	0.4	0.43	0.43	0.41
*Network 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
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 >= 3.5	80%	76%	73%	71%	76%	72%	77%	76%	78%	78%	80%	78%
PCU % >= 3.7	53%	53%	56%	48%	45%	54%	48%	61%	49%	51%	60%	67%
PCU % >= 4.0	16%	28%	22%	21%	15%	20%	20%	24%	19%	27%	22%	27%
*Natl % >= 3.5-BCG	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%
*Natl. % >= 4.0-BCC	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%
*Netwk%>=3.5 BCC	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%
*Netwk%>=4.0 BCC	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%

*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.

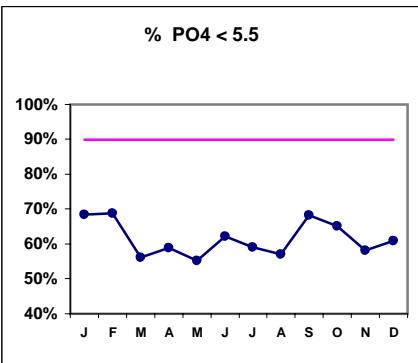
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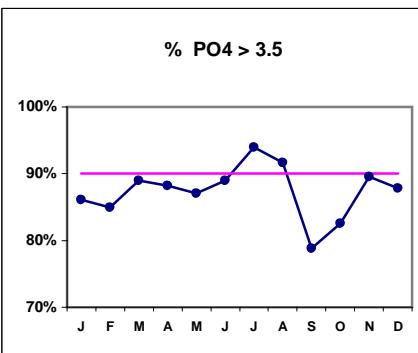
Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)
Through period ending December 31, 2003

III. OSTEODYSTROPHY

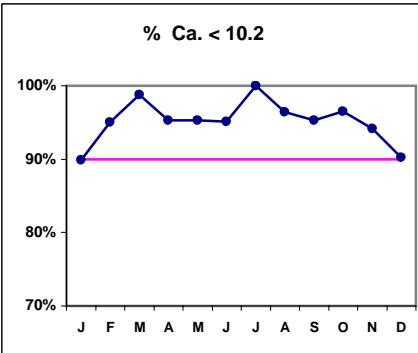
	J	F	M	A	M	J	J	A	S	O	N	D
# PO4	79	80	82	85	85	82	83	84	85	86	86	82
# PO4 < 5.5	54	55	46	50	47	51	49	48	58	56	50	50
Pop. Mean =	4.9	5.0	5.3	5.3	5.3	5.2	5.3	5.2	4.8	5.0	5.4	5.2
Std. Deviation	1.46	1.38	1.64	1.43	1.56	1.55	1.24	1.37	1.23	1.65	1.68	1.43
Network Mean =												
Natl. Mean =												
% PO4 < 5.5	68%	69%	56%	59%	55%	62%	59%	57%	68%	65%	58%	61%



	J	F	M	A	M	J	J	A	S	O	N	D
# PO4	79	80	82	85	85	82	83	84	85	86	86	82
# PO4 > 3.5	68	68	73	75	74	73	78	77	67	71	77	72
Pop. Mean =	4.9	5.0	5.3	5.3	5.3	5.2	5.3	5.2	4.8	5.0	5.4	5.2
Std. Deviation	1.46	1.38	1.64	1.43	1.56	1.55	1.24	1.37	1.23	1.65	1.68	1.43
Network Mean =												
Natl. Mean =												
% PO4 > 3.5	86%	85%	89%	88%	87%	89%	94%	92%	79%	83%	90%	88%



	J	F	M	A	M	J	J	A	S	O	N	D
# Calcium	79	80	82	85	85	82	83	84	85	86	86	82
# Calcium < 10.2	71	76	81	81	81	78	83	81	81	83	81	74
Pop. Mean =	9.1	9.1	9.0	9.0	8.9	9.0	9.0	9.1	9.1	9.0	9.0	9.0
Std. Deviation	0.85	0.79	0.76	0.78	0.85	0.78	0.7	0.71	0.75	0.85	0.87	0.93
Network Mean =												
Natl. Mean =												
% Ca < 10.2	90%	95%	99%	95%	95%	95%	96%	95%	97%	94%	90%	



*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.

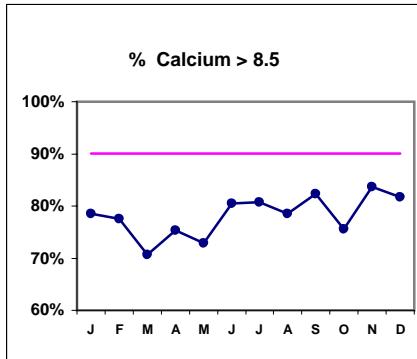
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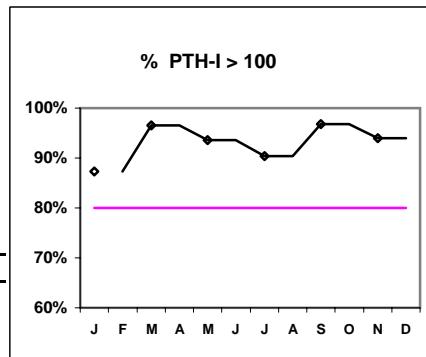
Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)
Through period ending December 31, 2003

III. OSTEODYSTROPHY - CONT.

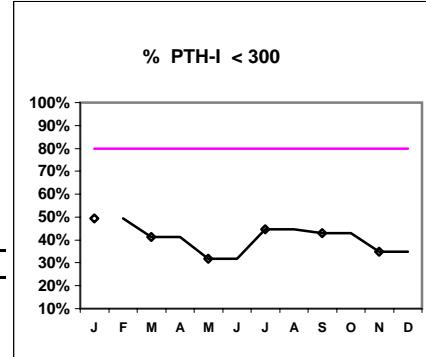
	J	F	M	A	M	J	J	A	S	O	N	D
# Calcium	79	80	82	85	85	82	83	84	85	86	86	82
# Calcium > 8.5	62	62	58	64	62	66	67	66	70	65	72	67
Pop. Mean =	9.1	9.1	9.0	9.0	8.9	9.0	9.0	9.1	9.1	9.0	9.0	9.0
Std. Deviation =	0.85	0.79	0.76	0.78	0.85	0.78	0.7	0.71	0.75	0.85	0.87	0.93
Network Mean =												
Natl. Mean =												
% Calcium > 8.5	78%	78%	71%	75%	73%	80%	81%	79%	82%	76%	84%	82%



# PTH-I	79	58	63	83	63	66
# PTH-I > 100	69	56	59	75	61	62
Pop. Mean =	340	439	488	419	302	482
Std. Deviation =	264	272	311	299	297	333
Network Mean =						
Natl. Mean =						
% PTH-I > 100	87%	97%	94%	90%	97%	94%



# PTH-I	79	58	63	83	63	66
# PTH-I < 300	39	24	20	37	27	23
Pop. Mean =	340	439	488	419	302	482
Std. Deviation =	264	272	311	299	297	333
Network Mean =						
Natl. Mean =						
% PTH-I < 300	49%	41%	32%	45%	43%	35%



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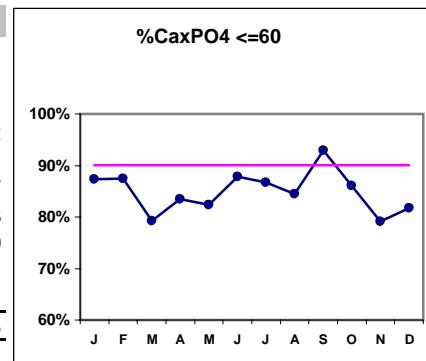
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Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)

Through period ending December 31, 2003

III. OSTEODYSTROPHY - CONT.

	J	F	M	A	M	J	J	A	S	O	N	D
# Ca x PO4	79	80	82	85	85	82	83	84	85	86	86	82
# Ca x PO4 <= 60	69	70	65	71	70	72	72	71	79	74	68	67
Pop. Mean =	44.9	45.3	47.2	47.3	46.9	46.2	47.4	46.8	43.4	45.1	48.7	46.8
Std. Deviation =	13.2	12.8	14.1	12.6	13.2	13.1	11.3	12.5	11.7	13.9	14.2	13.9
Network Mean =												
Natl. Mean =												
CaxPO4 <= 60	87%	88%	79%	84%	82%	88%	87%	85%	93%	86%	79%	82%



*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.

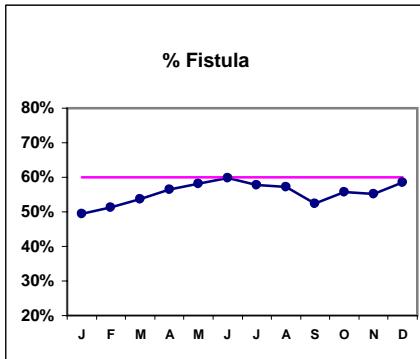
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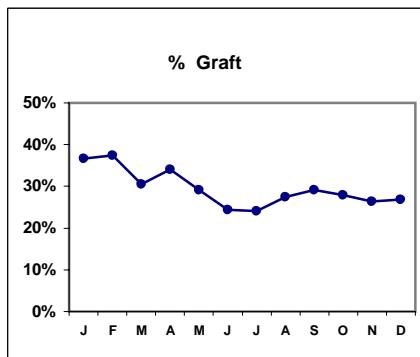
Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)
Through period ending December 31, 2003

IV. ACCESS

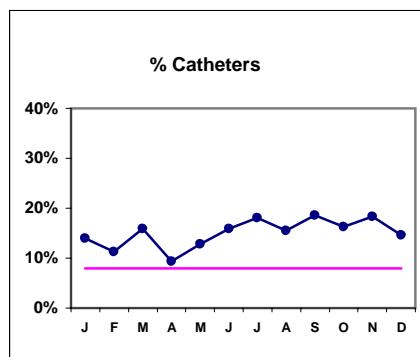
	J	F	M	A	M	J	J	A	S	O	N	D
# Access	79	80	82	85	86	82	83	84	86	86	87	82
# Fistula	39	41	44	48	50	49	48	48	45	48	48	48
Network %												
Natl. % - 2000	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
% Fistula	49%	51%	54%	56%	58%	60%	58%	57%	52%	56%	55%	59%



	J	F	M	A	M	J	S	A	S	O	N	D
# Access	79	80	82	85	86	82	83	84	86	86	87	82
# Graft	29	30	25	29	25	20	20	23	25	24	23	22
Network %												
Natl. %												
% Graft	37%	38%	30%	34%	29%	24%	24%	27%	29%	28%	26%	27%



	J	F	M	A	M	J	S	A	S	O	N	D
# Access	79	80	82	85	86	82	83	84	86	86	87	82
# Catheters	11	9	13	8	11	13	15	13	16	14	16	12
Network %												
Natl. %												
% Other	14%	11%	16%	9%	13%	16%	18%	15%	19%	16%	18%	15%



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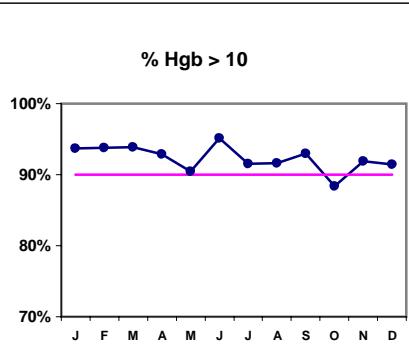
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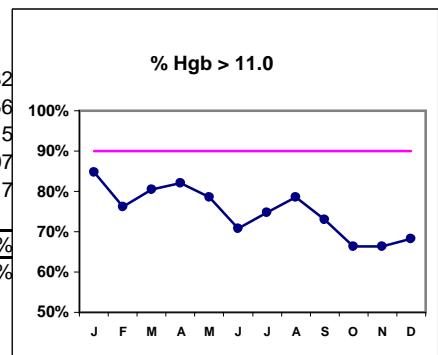
Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)
Through period ending December 31, 2003

V. ANEMIA

	J	F	M	A	M	J	J	A	S	O	N	D
# Hgb	79	80	82	84	84	82	83	84	85	86	86	82
# Hgb > 10.0	74	75	77	78	76	78	76	77	79	76	79	75
Pop. Mean =	11.8	11.9	11.8	12	11.9	12	12	11.9	11.6	11.5	11.5	11.5
Std. Deviation =	0.99	1.29	1.23	1.21	1.34	1.46	1.37	1.23	1.11	1.31	1.24	1.07
*Network Mean =	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
Natl. Mean =												
% Hgb > 10.0	94%	94%	94%	93%	90%	95%	92%	92%	93%	88%	92%	91%
*% Network >= 10	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
*Figures for 2000												

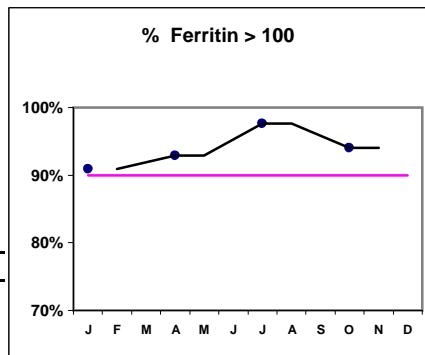


# Hgb	79	80	82	84	84	82	83	84	85	86	86	82
# Hgb > 11.0	67	61	66	69	66	58	62	66	62	57	57	56
Pop. Mean =	11.8	11.9	11.8	12	11.9	12	12	11.9	11.6	11.5	11.5	11.5
Std. Deviation =	0.99	1.29	1.23	1.21	1.34	1.46	1.37	1.23	1.11	1.31	1.24	1.07
*Network Mean =	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
Natl. Mean =												
% Hgb > 11.0	85%	76%	80%	82%	79%	71%	75%	79%	73%	66%	66%	68%
*% Network >= 11	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%
*Figures for 2000												



Iron Profile

# Ferritin	77	84	83	50
# Ferritin > 100	70	78	81	47
Pop. Mean =	387	347	480	285
Std. Deviation =	300	219	297	341
*Network Mean =	489	489	489	489
Natl. Mean =				
% Ferritin > 100	91%	93%	98%	94%
*% Network > 100	88%	88%	88%	88%
*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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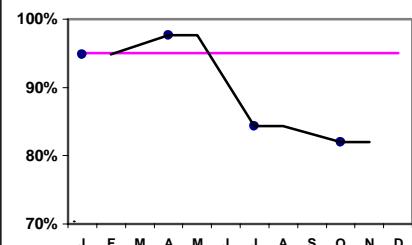
Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)
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V. ANEMIA - CONT.

	J	F	M	A	M	J	J	A	S	O	N	D
# Ferritin	77		84		83			0				
# Ferritin < 800	73		82		70			41				
Pop. Mean =	387		347		480			285				
Std. Deviation =	300		219		297			341				
*Network Mean =	489		489		489			489				
Natl. Mean =												
% Ferritin < 800	95%		98%		84%			82%				

*Figures for 2000

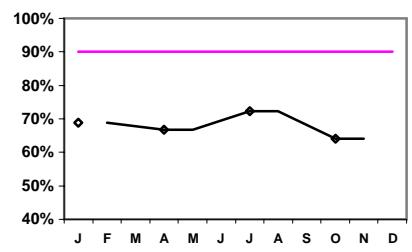
% Ferritin < 800



# % Sat	77	84	83	50
# % Sat > 20	53	56	60	32
Pop. Mean =	25.3	24.5	26.4	25.7
Std. Deviation =	9.39	8.98	8.92	13
*Network Mean =	28	28	28	28
Natl. Mean =				
% Sat% > 20	69%	67%	72%	64%
*% Network > 20	71%	71%	71%	71%

*Figures for 2000

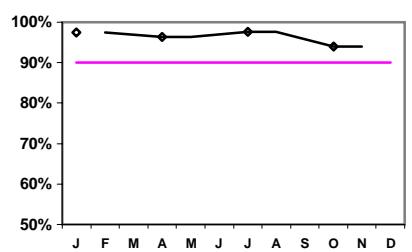
% Sat > 20



# % Sat	77	84	83	50
# % Sat < 50	75	81	81	47
Pop. Mean =	25.3	24.5	26.4	25.7
Std. Deviation =	9.39	8.98	8.92	13
*Network Mean =	28	28	28	28
Natl. Mean =				
% Sat% < 50	97%	96%	98%	94%

*Figures for 2000

% Sat < 50



*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.