I. ADEQUACY OF DIALYSIS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# spKt/V	111	108	111	110	111	107	109	108	104	111	109	110
# spKt/V >= 1.2	106	105	107	108	109	105	106	108	103	109	108	109
Pop. Mean	1.63	1.55	1.59	1.61	1.59	1.61	1.65	1.64	1.63	1.64	1.66	1.63
Std. Deviation	0.34	0.29	0.30	0.29	0.29	0.28	0.39	0.31	0.30	0.31	0.30	0.30
% spKt/V >= 1.2	95%	97%	96%	98%	98%	98%	97%	100%	99%	98%	99%	99%
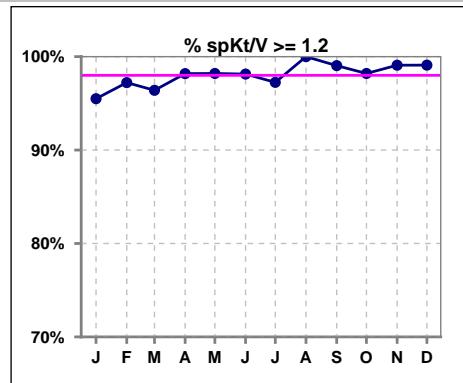
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# spKt/V w/ 3tx/wk	104	100	105	102	107	104	105	106	101	106	105	108
# spKt/V>=1.2 w/3tx/wk	99	98	101	101	105	102	102	106	100	104	103	107
Pop. Mean	1.62	1.55	1.59	1.62	1.59	1.61	1.65	1.64	1.63	1.64	1.66	1.62
Std. Deviation	0.35	0.29	0.30	0.29	0.29	0.28	0.39	0.31	0.30	0.32	0.30	0.30
% >=1.2 w/3tx/wk	95%	98%	96%	99%	98%	98%	97%	100%	99%	98%	98%	99%
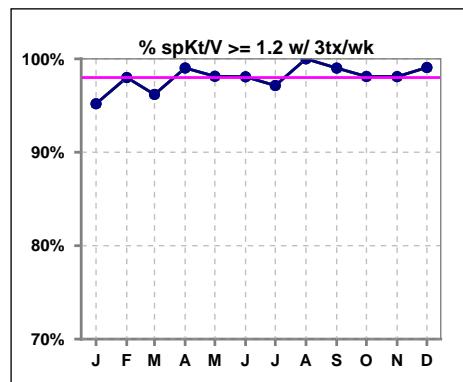
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.

I. ADEQUACY OF DIALYSIS - CONT.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# URR	111	108	111	110	111	107	109	108	104	111	109	110
# URR >= 65	106	104	107	109	107	104	106	108	103	109	107	109
Pop. Mean	75	73	74	75	74	75	75	75	75	75	76	75
Std. Deviation	7.87	6.32	5.80	5.88	5.85	5.44	7.08	5.73	5.65	6.25	5.61	5.44
% URR >= 65	95%	96%	96%	99%	96%	97%	97%	100%	99%	98%	98%	99%
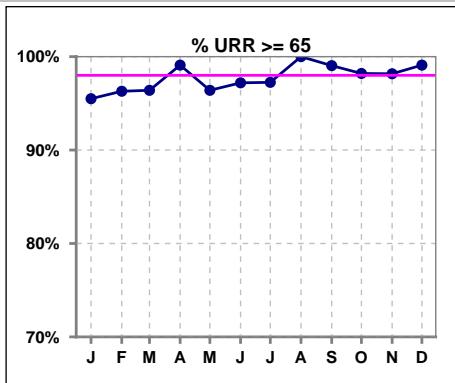
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# URR w/ 3tx/wk	104	100	105	102	107	104	105	106	101	106	105	108
# URR>=65 w/ 3tx/wk	99	97	101	101	103	101	102	106	100	104	103	107
Pop. Mean	75	73	74	75	74	75	75	75	75	75	76	75
Std. Deviation	8.01	6.34	5.92	5.83	5.87	5.48	7.11	5.78	5.68	6.38	5.65	5.48
% URR>=65 w/ 3tx/wk	95%	97%	96%	99%	96%	97%	97%	100%	99%	98%	98%	99%
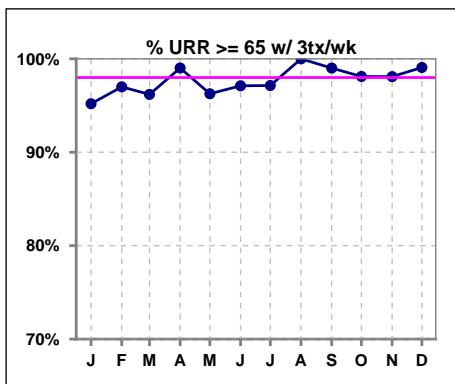
|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Pre Sys BP	111	108	113	110	112	107	109	108	104	111	109	111
# Pre Sys BP <= 165	91	88	96	88	96	99	98	92	85	93	95	94
Pop. Mean	148	146	146	147	145	143	145	145	147	146	146	145
Std. Deviation	21.2	19.4	20.3	18.9	18.8	16.7	17.5	18.7	18.5	18.1	19.6	19.4
%Pre Sys BP <=165	80%	80%	82%	78%	86%	91%	90%	84%	82%	83%	87%	83%
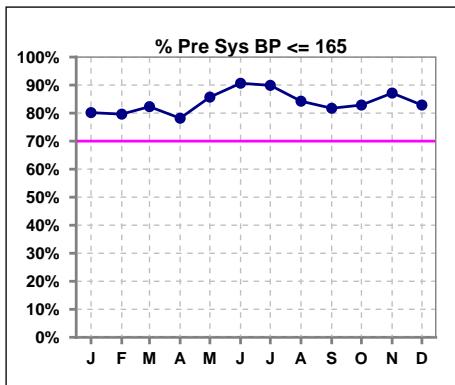
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# L processed/kg	111	108	113	110	112	107	108	108	104	111	109	111
# L processed/kg>=0.8	83	86	88	81	85	79	85	85	79	91	94	94
Pop. Mean	1	1	1	1	1	1	1	1	1	1	1	1
Std. Deviation	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
% L processed/kg>=0.8	75%	80%	78%	74%	76%	74%	79%	79%	76%	82%	86%	85%

Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; **b)** BP's and #L processed are average of all values for month; **c)** Access data takes last access of month; **d)** Values for SGA and 'Infection Control' use most recent result.

I. ADEQUACY OF DIALYSIS - CONT.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# CO2	111	108	111	110	111	107	109	108	104	111	109	111
# CO2 < 23	29	40	32	37	44	36	47	42	34	42	29	40
Pop. Mean	24	23	24	23	23	23	23	23	23	23	24	23
Std. Deviation	2.65	2.55	2.57	2.33	2.63	2.63	2.52	2.53	2.85	2.38	2.41	2.56
% CO2 < 23	26%	37%	29%	34%	40%	34%	43%	39%	33%	38%	27%	36%
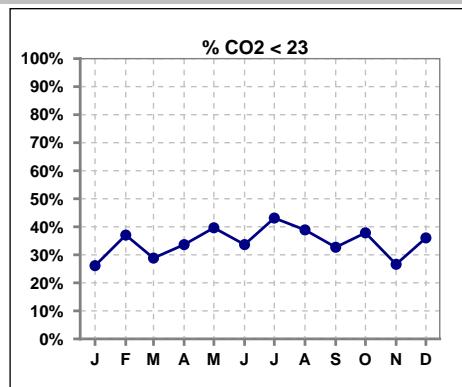
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# CO2	111	108	111	110	111	107	109	108	104	111	109	111
# CO2 23 to 27	74	61	72	71	64	64	59	65	66	64	72	65
Pop. Mean	24	23	24	23	23	23	23	23	23	23	24	23
Std. Deviation	2.65	2.55	2.57	2.33	2.63	2.63	2.52	2.53	2.85	2.38	2.41	2.56
% CO2 23 to 27	67%	56%	65%	65%	58%	60%	54%	60%	63%	58%	66%	59%
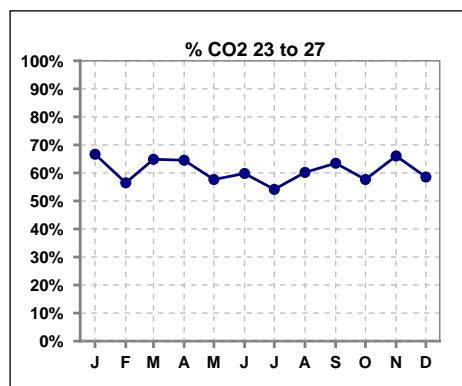
|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# CO2	111	108	111	110	111	107	109	108	104	111	109	111
# CO2 > 27	8	7	7	2	3	7	3	1	4	5	8	6
Pop. Mean	24	23	24	23	23	23	23	23	23	23	24	23
Std. Deviation	2.65	2.55	2.57	2.33	2.63	2.63	2.52	2.53	2.85	2.38	2.41	2.56
% CO2 > 27	7%	6%	6%	2%	3%	7%	3%	1%	4%	5%	7%	5%
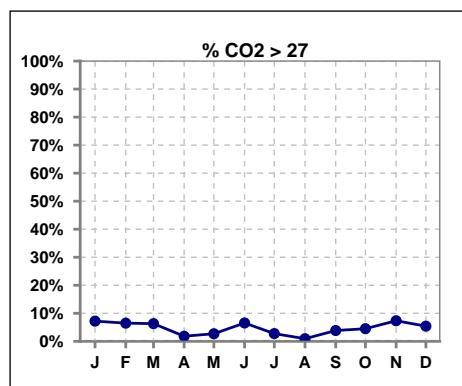
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.

*Albumin values use BCG method - as of July 2001

II. NUTRITION

|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Albumin	111	108	111	110	111	107	109	108	104	110	109	111
# Albumin >= 4.0	59	59	65	59	57	73	72	73	65	66	73	61
Pop. Mean	4.0	4.0	4.0	4.0	4.0	4.1	4.0	4.0	4.0	4.0	4.1	4.0
Std. Deviation	0.34	0.32	0.33	0.30	0.36	0.38	0.34	0.34	0.40	0.41	0.38	0.35
% Alb >= 4.0	53%	55%	59%	54%	51%	68%	66%	68%	63%	60%	67%	55%
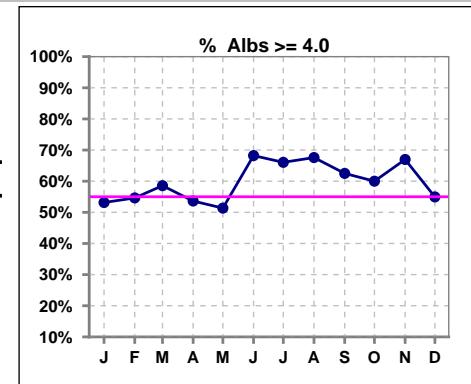
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.

**Lab methodology for PTH changed January 2012**

III. OSTEODYSTROPHY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# PO4	111	108	111	110	111	107	109	108	104	110	109	110
# PO4 3.5 to 5.5	42	34	41	38	45	36	43	39	39	45	42	46
Pop. Mean	6.2	6.2	6.0	6.0	6.4	6.4	6.3	6.2	6.1	6.0	6.0	6.2
Std. Deviation	2.11	1.96	2.03	1.86	2.10	1.93	2.20	2.13	1.98	1.98	1.82	2.10
% PO4 3.5 to 5.5	38%	31%	37%	35%	41%	34%	39%	36%	38%	41%	39%	42%
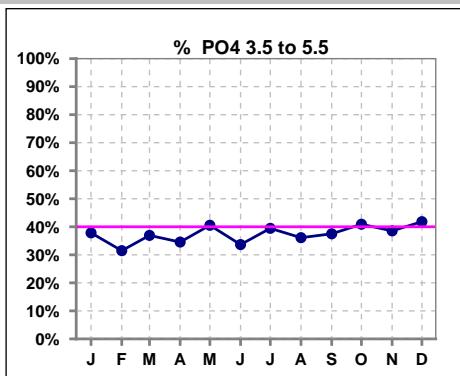
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Calcium	111	108	111	110	111	107	109	108	104	110	109	111
# Calcium <= 8	4	2	6	4	1	4	5	7	4	5	5	3
Pop. Mean	9.1	9.2	9.2	9.1	9.1	9.2	9.1	9.2	9.2	9.2	9.4	9.2
Std. Deviation	0.58	0.61	0.72	0.58	0.58	0.64	0.64	0.65	0.68	0.60	0.69	0.61
% Calcium <= 8	4%	2%	5%	4%	1%	4%	5%	6%	4%	5%	5%	3%
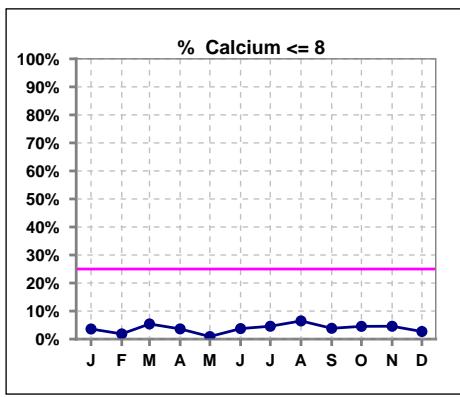
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Calcium	111	108	111	110	111	107	109	108	104	110	109	111
# Calcium > 10.2	2	4	3	1	1	4	2	3	5	1	8	2
Pop. Mean	9.1	9.2	9.2	9.1	9.1	9.2	9.1	9.2	9.2	9.2	9.4	9.2
Std. Deviation	0.58	0.61	0.72	0.58	0.58	0.64	0.64	0.65	0.68	0.60	0.69	0.61
% Calcium > 10.2	2%	4%	3%	1%	1%	4%	2%	3%	5%	1%	7%	2%
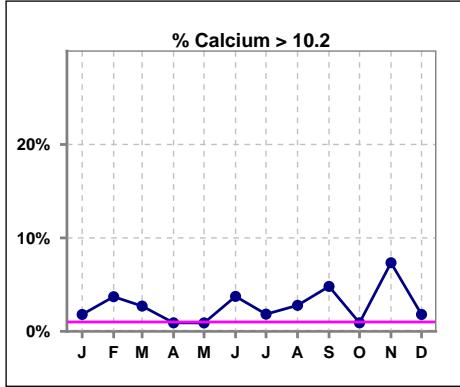
|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# PTH-I	111			110			109			109		
# PTH-I 150 to 600	71			68			78			75		
Pop. Mean	487			459			460			436		
Std. Deviation	320			323			334			374		
% PTH-I 150 to 600	64%			62%			72%			69%		
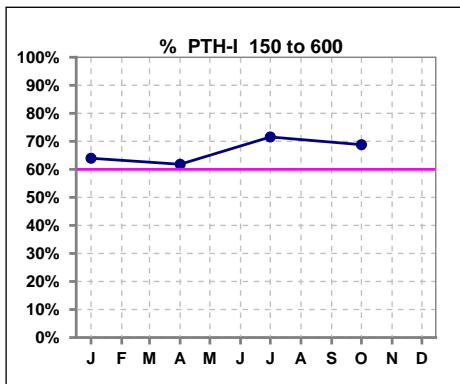
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.

IV. ACCESS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Access	111	108	113	110	112	107	109	108	104	111	109	111
# Fistula	80	76	76	75	76	76	79	80	77	82	80	80
% Fistula	72%	70%	67%	68%	68%	71%	72%	74%	74%	74%	73%	72%
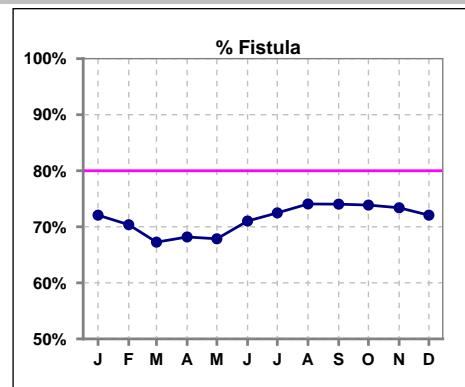
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Access	111	108	113	110	112	107	109	108	104	111	109	111
# Graft	9	10	11	12	12	12	12	14	13	13	12	12
% Graft	8%	9%	10%	11%	11%	11%	11%	13%	13%	12%	11%	11%
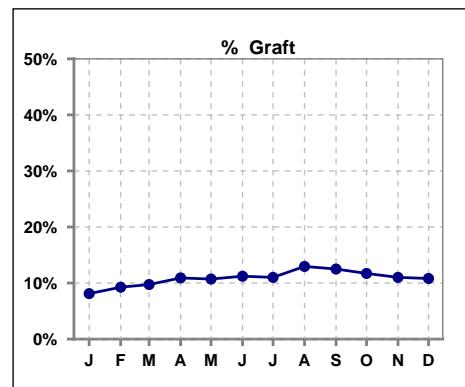
|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Access	111	108	113	110	112	107	109	108	104	111	109	111
# Catheters	22	22	26	23	24	19	18	14	14	16	17	19
% Catheters	20%	20%	23%	21%	21%	18%	17%	13%	13%	14%	16%	17%
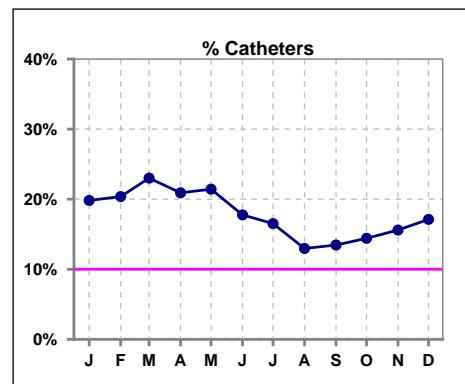
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.

IV. ACCESS - CONT.

Catheters > 90 days

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Access	111	108	113	110	112	107	109	108	104	111	109	111
# Catheters	14	16	21	18	17	15	11	8	9	10	10	12
% Catheters	13%	15%	19%	16%	15%	14%	10%	7%	9%	9%	9%	11%

Definition: Catheter in use on last treatment of the month
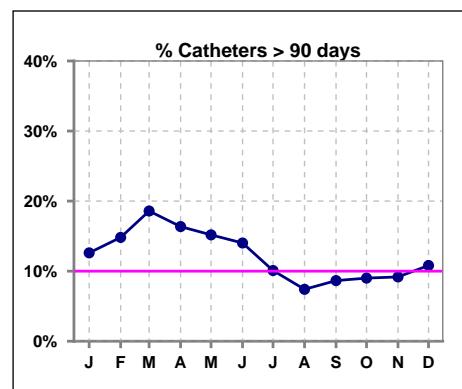
|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Fistula	80	76	76	75	76	76	79	80	77	82	80	80
# Fistula > 3 yrs	37	36	34	36	36	35	36	39	37	38	37	38
% Fistula > 3 yrs	46%	47%	45%	48%	47%	46%	46%	49%	48%	46%	46%	48%
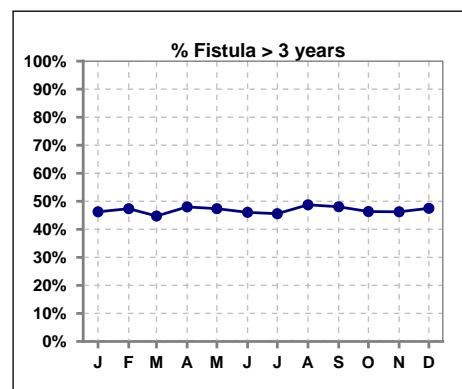
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.

V. ANEMIA

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Hgb	95	93	90	93	95	94	94	89	89	92	95	96
# Hgb < 10	27	16	16	16	22	23	21	15	18	25	17	22
Pop. Mean	10.5	11.0	10.9	10.8	10.7	10.7	10.6	10.7	10.7	10.6	11.0	10.8
Std. Deviation	1.2	1.3	1.3	1.1	1.1	1.2	1.2	1.1	1.3	1.2	1.2	1.0
% Hgb < 10	28%	17%	18%	17%	23%	24%	22%	17%	20%	27%	18%	23%

Note: Excludes patients who received no ESA in month.
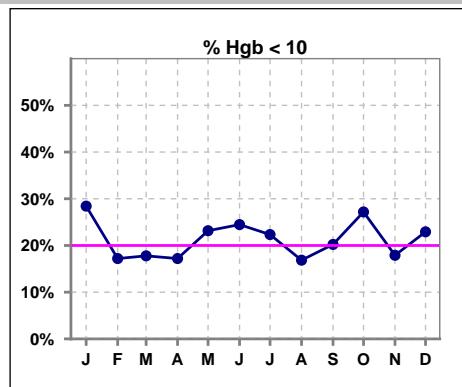
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Hgb	95	93	90	93	95	94	94	89	89	92	95	96
# Hgb >= 12	5	17	9	7	6	10	8	4	7	5	12	5
Pop. Mean	10.5	11.0	10.9	10.8	10.7	10.7	10.6	10.7	10.7	10.6	11.0	10.8
Std. Deviation	1.2	1.3	1.3	1.1	1.1	1.2	1.2	1.1	1.3	1.2	1.2	1.0
% Hgb >= 12	5%	18%	10%	8%	6%	11%	9%	4%	8%	5%	13%	5%

Note: Excludes patients who received no ESA in month.
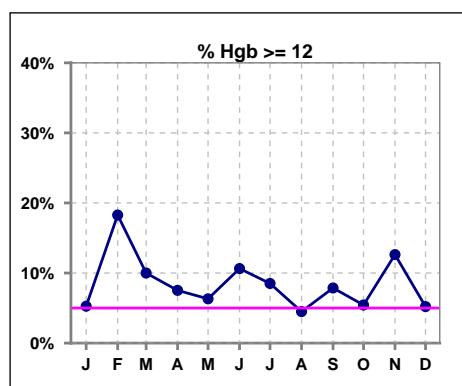
Average Darbepoetin Dose per Week per Kilogram

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Average Darbepoetin	0	0	0	0	0	0	0	0	0	0	0	0
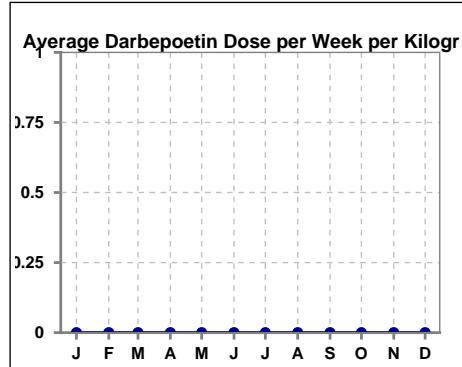
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.

V. ANEMIA - CONT.

Iron Profile

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Ferritin	111			109	8		109			110		
# Ferritin < 800	92			91	5		85			91		
Pop. Mean	458			466	668		551			531		
Std. Deviation	376			337	402		402			451		
% Ferritin < 800	83%			83%	63%		78%			83%		
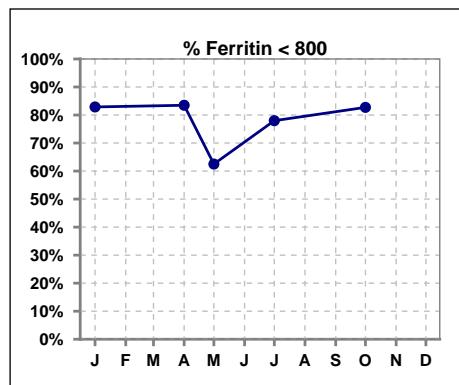
|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Ferritin	111			109	8		109			110		
# Ferritin 800 to 1200	13			12	2		15			12		
Pop. Mean	458			466	668		551			531		
Std. Deviation	376			337	402		402			451		
% Ferritin 800 to 1200	12%			11%	25%		14%			11%		
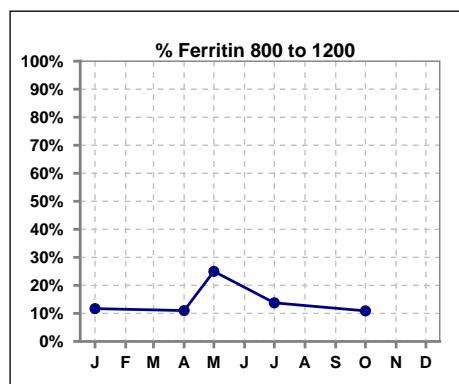
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Ferritin	111			109	8		109			110		
# Ferritin > 1200	6			6	1		9			7		
Pop. Mean	458			466	668		551			531		
Std. Deviation	376			337	402		402			451		
% Ferritin > 1200	5%			6%	13%		8%			6%		
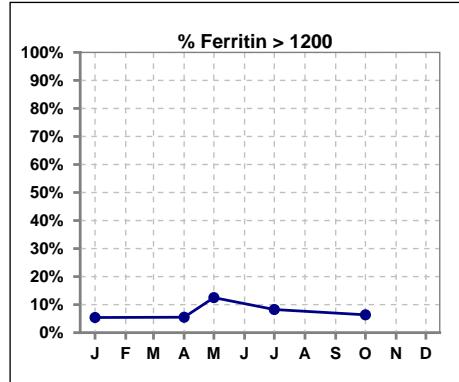
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; **b)** BP's and #L processed are average of all values for month; **c)** Access data takes last access of month; **d)** Values for SGA and 'Infection Control' use most recent result.

V. ANEMIA - CONT.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# % Sat	111			110	6		109			110		
# % Sat < 30	85			83	2		73			82		
Pop. Mean	25			26	30		29			25		
Std. Deviation	14			15	10		19			14		
% % Sat < 30	77%			75%	33%		67%			75%		
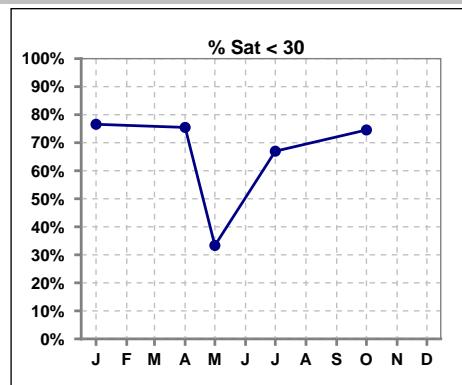
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# % Sat	111			110	6		109			110		
# % Sat 30 to 50	20			21	4		28			24		
Pop. Mean	25			26	30		29			25		
Std. Deviation	14			15	10		19			14		
% % Sat 30 to 50	18%			19%	67%		26%			22%		
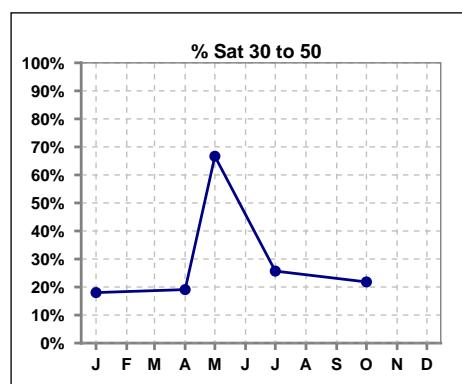
|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# % Sat	111			110	6		109			110		
# % Sat > 50	6			6	0		8			4		
Pop. Mean	25			26	30		29			25		
Std. Deviation	14			15	10		19			14		
% % Sat > 50	5%			5%	0%		7%			4%		
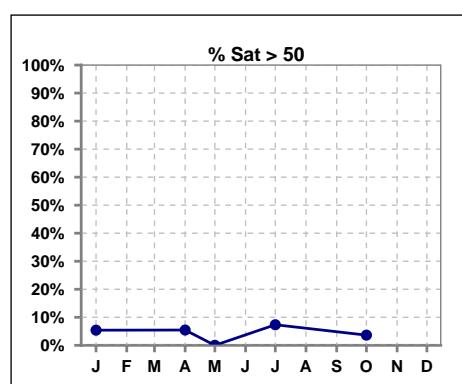
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.

VI. Diabetes

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# HgA1c	67			68			60			58		
# HgA1c <= 7	43			46			41			41		
Pop. Mean	6.6			6.6			6.6			6.4		
Std. Deviation	1.48			1.67			1.47			1.48		
% HgA1c <= 7	64%			68%			68%			71%		
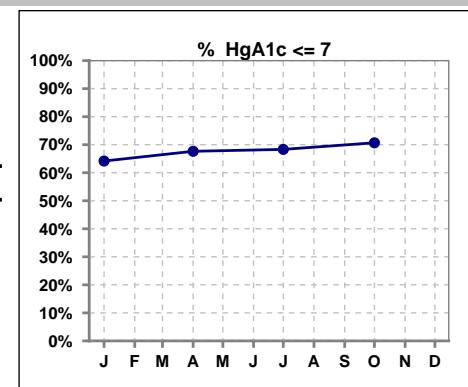
% HgA1c <= 7

Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; **b)** BP's and #L processed are average of all values for month; **c)** Access data takes last access of month; **d)** Values for SGA and 'Infection Control' use most recent result.

VII. Infection Control

Pneumonia vaccination within the past five years

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Patient	111	108	113	110	112	107	109	108	107	111	109	111
# Pneumonia	66	68	69	74	77	72	72	72	70	74	72	72
% Pneumonia	59%	63%	61%	67%	69%	67%	66%	67%	65%	67%	66%	65%

% Pneumonia Vaccination within 5 yrs
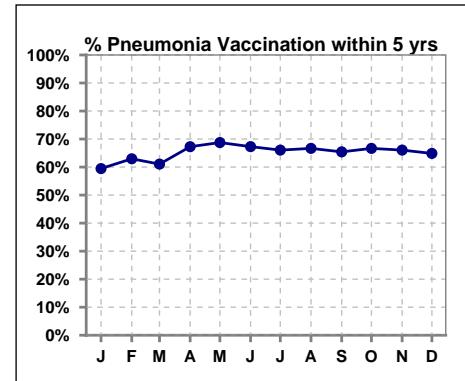
|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Patient	111	108	113						107	111	109	111
# Influenza	88	87	90						1	71	72	72
% Influenza	79%	81%	80%						1%	64%	66%	65%
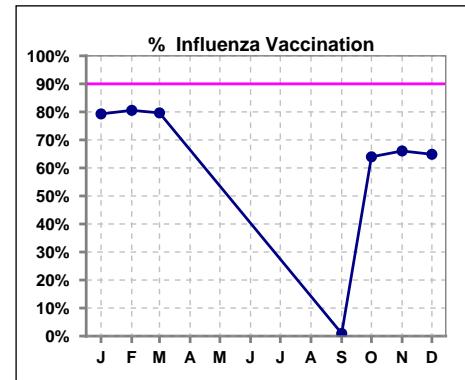
% Influenza Vaccination

Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.

VIII. Outcome measures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Pateint	111	108	113	110	112	107	109	108	107	111	109	111
# Hospital Admissions	8	11	11	12	15	13	9	9	6	10	10	16
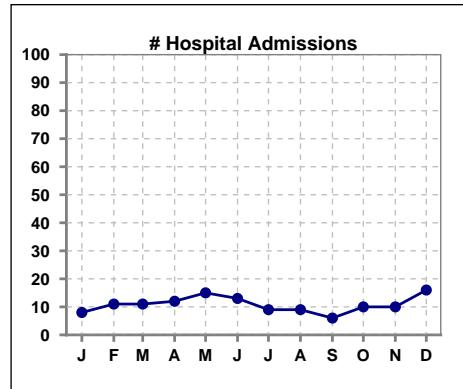
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Patient	111	108	113	110	112	107	109	108	107	111	109	111
# Individual Deaths	3	0	1	2	1	3	0	1	1	0	2	0
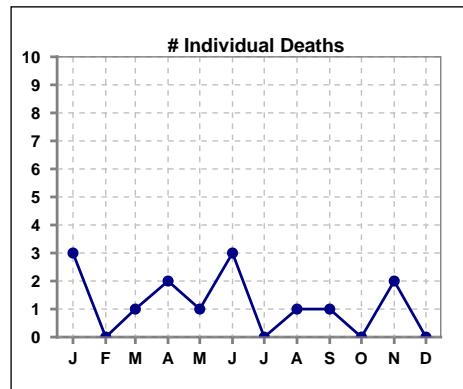
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Patient	111	108	113	110	112	107	109	108	107	111	109	111
# Missed Treatments	98	119	139	108	138	126	107	92	84	87	94	118
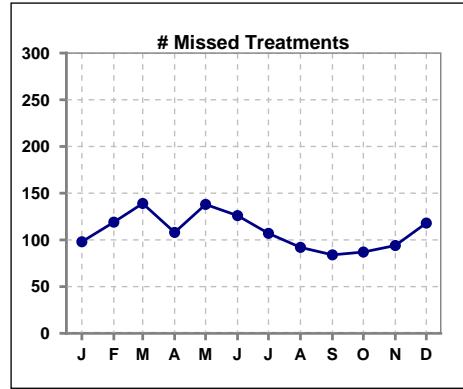
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Patient	111	108	113	110	112	107	109	108	107	111	109	111
# Transplants	0	0	0	0	0	0	0	0	0	0	0	0

Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent result.