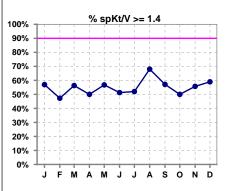
I. ADEQUACY (OF DIA	LYSIS	;									
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# spKt/V	79	91	103	82	74	78	75	75	70	68	70	78
# spKt/V >= 1.4	45	43	58	41	42	40	39	51	40	34	39	46
Pop. Mean	1.42	1.40	1.44	1.48	1.47	1.45	1.44	1.54	1.50	1.42	1.44	1.52
Std. Deviation	0.30	0.36	0.29	0.36	0.30	0.37	0.33	0.29	0.43	0.36	0.26	0.37
% spKt/V >= 1.4	57%	47%	56%	50%	57%	51%	52%	68%	57%	50%	56%	59%
% spKt/V >= 1.2	84%	79%	83%	88%	88%	87%	79%	96%	84%	84%	89%	88%



100%		% s		-							
90% 🕂	1 1	-	-		-	-	-	-	-	-	-
80% -											- + -
70% -	i i	j-			- le l		-	÷	·		$=\frac{1}{1}$
60% -						- 7	4	V-			*
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40% -							- + -				-+-
30% -	$\frac{1}{1} \frac{1}{1}$			- 1 -	- j		- + -				- + -
20% -	+ +	!-		- + -			- + -				-+-
10% -					- j						- ÷ -
0% ⊥	1 1	1	_	-	-	-	_	_	_	_	-

spKt/V w/ 3tx/wk

Pop. Mean

Std. Deviation

spKt/V>=1.4 w/3tx/wk 43

% spKt/V>=1.4 w/3tx/w&6%

Jan

77

1.41

0.30

Feb

88

41

1.40

0.36

47%

Mar

101

57

1.44

0.29

56%

Apr

81

41

1.49

0.35

51%

May

72

41

1.47

0.30

57%

Jun

77

40

1.46

0.37

52%

Jul

74

39

1.44

0.33

53%

Aug

73

50

1.54

0.29

68%

Sep

69

39

1.49

0.42

57%

Oct

68

34

1.42

0.36

50%

Nov

68

38

1.43

0.24

56%

Dec

77

46

1.53

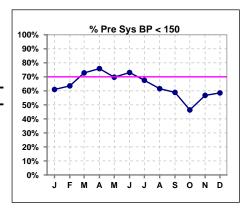
0.35

60%

	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Pre Dia BP	82	96	103	87	76	78	77	78	73	69	74	82
# Pre Dia BP < 90	64	76	89	77	69	71	70	68	62	56	61	71
Pop. Mean	78	78	77	76	76	74	73	75	78	80	79	78
Std. Deviation	13.7	13.0	12.3	10.6	10.5	10.5	11.2	11.5	13.1	12.4	10.1	10.5
% Pre Dia BP < 90	78%	79%	86%	89%	91%	91%	91%	87%	85%	81%	82%	87%

100%	7	orie	Dia	BP <	30		
	1	1	1	1	- i-	1 1	- i
90%			T		-	1 1	
80% -	/					-	<u>-</u>
70% -					<u>.</u>		
60% -							+ -
50%							
40%				+-		-1	+-
30%	 						
20%	 			+-		-1	+-
10%							
0%		1 1	-	1 1	-	1 1	_

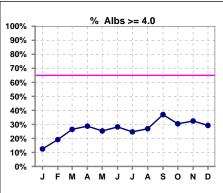
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Pre Sys BP	82	96	103	87	76	78	77	78	73	69	74	82
# Pre Sys BP < 150	50	61	75	66	53	57	52	48	43	32	42	48
Pop. Mean	143	143	140	141	141	139	139	142	146	148	148	145
Std. Deviation	21.2	23.0	18.1	15.3	18.8	18.3	20.4	18.2	18.6	18.0	17.5	18.4
%Pre Sys BP <150	61%	64%	73%	76%	70%	73%	68%	62%	59%	46%	57%	59%



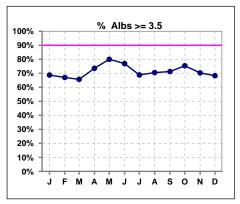
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent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

*Albumin values use BCG method - as of July 2001

II. NUTRITION													
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# Albumin	80	94	102	87	75	78	77	78	73	69	74	82	
# Albumin >= 4.0	10	18	27	25	19	22	19	21	27	21	24	24	
Pop. Mean	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	
Std. Deviation	0.47	0.44	0.50	0.42	0.42	0.38	0.44	0.49	0.50	0.42	0.47	0.51	
% Alb >= 4.0	13%	19%	26%	29%	25%	28%	25%	27%	37%	30%	32%	29%	



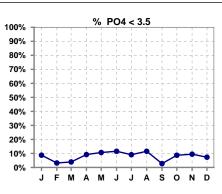
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Albumin	80	94	102	87	75	78	77	78	73	69	74	82
# Albumin >= 3.5	55	63	67	64	60	60	53	55	52	52	52	56
Pop. Mean	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6
Std. Deviation	0.47	0.44	0.50	0.42	0.42	0.38	0.44	0.49	0.50	0.42	0.47	0.51
% Alb >= 3.5	69%	67%	66%	74%	80%	77%	69%	71%	71%	75%	70%	68%



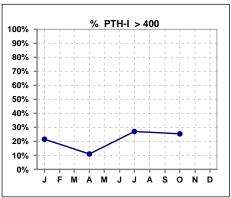
Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values for SGA and 'Infection Control' use most recent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

Lab methodology for PTH changed January 2012

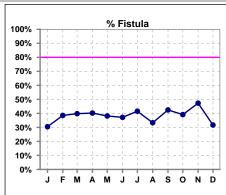
III. OSTEODYS	TROPH	Y											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# PO4	80	94	102	87	75	78	77	78	73	69	74	82	
# PO4 < 3.5	7	3	4	8	8	9	7	9	2	6	7	6	
Pop. Mean	5.7	5.9	5.7	5.5	5.3	5.4	5.5	5.4	5.7	5.9	5.5	5.6	
Std. Deviation	1.69	1.68	1.62	1.74	1.55	1.74	1.75	1.74	1.92	2.45	1.81	1.85	
% PO4 < 3.5	9%	3%	4%	9%	11%	12%	9%	12%	3%	9%	9%	7%	

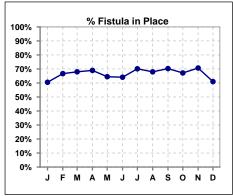


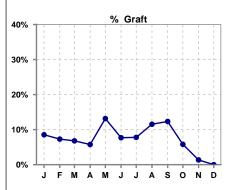
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# PTH-I	79			82			74			67		
# PTH-I > 400	17			9			20			17		
Pop. Mean	316			246			278			298		
Std. Deviation	338			282			243			268		
% PTH-I > 400	22%			11%			27%			25%		

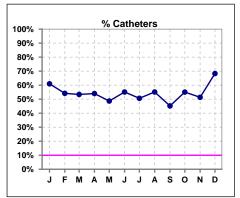


IV. ACCESS													
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# Access	82	96	102	87	76	78	77	78	73	69	74	82	1
# Fistula	25	37	41	35	29	29	32	26	31	27	35	26	
% Fistula	30%	39%	40%	40%	38%	37%	42%	33%	42%	39%	47%	32%	









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.

Jan

81

49

60%

Patient

Fistula in Place

% Fistula in Place

Feb

96

64

67%

Mar

103

70

68%

Apr

87

60

69%

May

76

49

64%

Jun

78

50

64%

Jul

77

54

70%

Aug

78

53

68%

Sep

74

52

70%

Oct

70

47

67%

Nov

75

53

<u>71%</u>

Dec

82

50

61%

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# Access	82	96	102	87	76	78	77	78	73	69	74	82	
# Graft	7	7	7	5	10	6	6	9	9	4	1	0	
% Graft	9%	7%	7%	6%	13%	8%	8%	12%	12%	6%	1%	0%	

	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Access	82	96	102	87	76	78	77	78	73	69	74	82
# Catheters	50	52	55	47	37	43	39	43	33	38	38	56
% Catheters	61%	54%	53%	54%	49%	55%	51%	55%	45%	55%	51%	68%

	Jan	Feb	Mar		May	Jun	-			Oct		i <mark>ys wit</mark> Dec	
# Dations				Apr	-		Jul	Aug	Sep		Nov		% Fistula in use at 90 days
Patient	17	24	26	43	39 00	29	34	35	36	28	32	29	
Fistula in use	9	11	12	22	22	15	12	19	15	18	18	19	90% - + + - + - + - + - + - + - + - +
% Fistula in use	53%	46%	46%	51%	56%	52%	35%	54%	42%	64%	56%	66%	70% 60% 50% 40% 30% 20% 10% 0% J F M A M J J A S O N
# Patient	Jan 17	Feb 24	Mar 26	Apr 43	May 39	Jun 29	Jul 34	Aug 35	Sep 36	Oct 28	Nov 32	Dec 28	% Fistula in Place at 90 days
# Fistula in Place	15	18	19	36	33	23	24	27	28	23	24	23	90%
% Fistula in Place	88%	75%	73%	84%	85%	79%	71%	77%	78%	82%	75%	82%	80%
													30% 20% 10% J F M A M J J A S O N
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# Patient	17	24	26	43	39	29	34	35	36	28	32	29	100% % Graft in use at 90 days
f Graft in use	1	2	4	4	3	3	4	4	4	4	5	2	90%
% Graft in use	6%	8%	15%	9%	8%	10%	12%	11%	11%	14%	16%	7%_	80% 70% 60% 50% 40% 30% 20% 10% J F M A M J J A S O N
# Patient	Jan 17	Feb 24	Mar 26	Apr 43	May 39	Jun 29	Jul 34	Aug 35	Sep 36	Oct 28	Nov 32	Dec 28	100%% Graft in Place at 90 days
# Graft in Place	1	3	5	4	5	3	5	5	5	4	7	2	90% - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
			19%	9%	13%	10%	15%	14%	14%	14%	22%	7%	80%

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.

70% 60% 50% 40% 30% 20% 10% 0%

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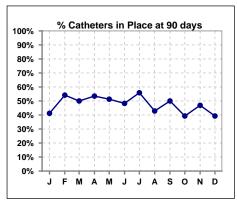
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Northwest Kidney Centers - Consolidated Center Quality Assurance Reports (Patients in first 90 days of treatment)

		•••
Through per	riod ending Dec. 31, 2016	

IV. ACCESS - CO	ONT. A	Acces	s at 9	0 day	s for t	hose	patie	nts th	at rea	Iched	90 da	ys wit	hin the month.
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# Patient	17	24	26	43	39	29	34	35	36	28	32	29	100%% Catheters in use at 90 days
# Catheters in use	7	11	10	17	14	11	18	12	17	6	9	8	90%
% Catheters in use	41%	46%	38%	40%	36%	38%	53%	34%	47%	21%	28%	28%	80%
													70%
													60% -
													50%
													40%
													30%
													20%
													10%
													0%
													J F M A M J J A S O N

	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Patient	17	24	26	43	39	29	34	35	36	28	32	28
# Catheters in Place	7	13	13	23	20	14	19	15	18	11	15	11
% Catheters in Place	41%	54%	50%	53%	51%	48%	56%	43%	50%	39%	47%	39%



SOND

IV. ACCESS - C	ONT.	Acces	s at fi	rst da	y for	those	patie	ents th	nat rea	ached	90 da	ays wi	thin the month.
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# Patient	17	24	26	43	39	29	34	35	36	27	32	29	100%
# Fistula in use	7	9	7	13	15	13	8	15	15	12	7	14	90%
% Fistula in use	41%	38%	27%	30%	38%	45%	24%	43%	42%	44%	22%	48%	80%
													60% - + - + - + - + - + - + - + - + - + -
													50%
													40%
													30%
													0%
													J F M A M J J A S O N I
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	% Fistula in Place at first day
# Patient	17	24	26	43	39	29	34	35	36	28	32	29	
# Fistula in Place	15	18	19	36	34	23	25	27	28	24	24	23	90%
% Fistula in Place	88%	75%	73%	84%	87%	79%	74%	77%	78%	86%	75%	79%	80%
													60%
													50%
													40%
													30%
													0%
													J F M A M J J A S O N I
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# Patient	17	24	26	43	39	29	34	35	36	27	32	29	100%
# Graft in use	1	0	3	2	1	2	2	3	2	2	5	2	90%
% Graft in use	6%	0%	12%	5%	3%	7%	6%	9%	6%	7%	16%	7%	80%
													60%
													40%
													30%
													20%
													10%
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# Patient	17	24	26	43	39	29	34	35	36	28	32	29	100% % Graft in Place at first day
# Graft in Place	2	3	5	4	6	4	6	5	5	4	7	3	90% -
% Graft in Place	12%	13%	19%	9%	15%	14%	18%	14%	14%	14%	22%	10%	80% -
													70%
													60%

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.

40% 30% 20% 10% 0%

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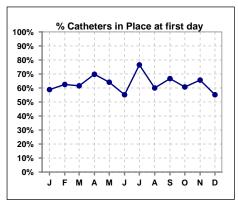
AMJJA

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D

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
# Patient	17	24	26	43	39	29	34	35	36	27	32	29	100% Catheters in use at first day
# Catheters in use	9	15	16	28	23	14	24	17	19	13	20	13	90%
% Catheters in use	53%	63%	62%	65%	59%	48%	71%	49%	53%	48%	63%	45%	80% 70% 60% 50% 40% 30% 20% 10% J F M A M J J A S O N

	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Patient	17	24	26	43	39	29	34	35	36	28	32	29
# Catheters in Place	10	15	16	30	25	16	26	21	24	17	21	16
% Catheters in Place	59%	63%	62%	70%	64%	55%	76%	60%	67%	61%	66%	55%



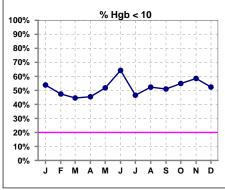


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Methodology: a) All labs for 'Adequacy of Dialysis', 'Nutrition', 'Osteodystrophy', 'Anemia' and 'Diabetes' based on last value of month; b) BP's and #L processed are average of all values for month; c) Access data takes last access of month; d) Values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

V. ANEMIA												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Hgb	52	78	83	66	56	56	58	65	51	51	53	63
# Hgb < 10	28	37	37	30	29	36	27	34	26	28	31	33
Pop. Mean	9.9	10.0	10.2	10.1	10.0	9.8	10.0	10.0	9.9	9.8	9.7	9.8
Std. Deviation	1.3	1.3	1.3	1.3	1.4	1.2	1.3	1.6	1.9	1.6	1.5	1.5
% Hgb < 10	54%	47%	45%	45%	52%	64%	47%	52%	51%	55%	58%	52%

Note: Excludes patients who received no ESA in month.



	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
# Hgb	52	78	83	66	56	56	58	65	51	51	53	63
# Hgb > 12	3	5	6	2	4	2	5	8	7	4	4	3
Pop. Mean	9.9	10.0	10.2	10.1	10.0	9.8	10.0	10.0	9.9	9.8	9.7	9.8
Std. Deviation	1.3	1.3	1.3	1.3	1.4	1.2	1.3	1.6	1.9	1.6	1.5	1.5
% Hgb > 12	6%	6%	7%	3%	7%	4%	9%	12%	14%	8%	8%	5%

Note: Excludes patients who received no ESA in month.

