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Table 1: Mean quality of life scores for the change in quality of life scores comparing in-centre hemodialysis to peritoneal dialysis from initial CADTH report (Short-Form-36)

First author, year		Manns, 2003			Frimat,2006			Harris,2002				Wu, 2004		
		Domain scores												
Domain	Dialysis modality	Base-line mean (±SE)	6mo mean (±SE)	12 mo mean (±SE)	Base-line mean	6mo: mean	12 mo mean	Base-line mean	6 mo mean	12 mo mean	Calculated mean differences (95% CI) for PD-ICHD *	Base-line mean	12 mo mean	Adjusted ORs (95% CI) for PD vs ICHD at 12 mo **
MCS	ICHD							49.9	53.1	52.6	<i>Baseline:</i> 2.9 (-0.4,6.2); <i>6 mo:</i> -1.5 (-4.1,1.1); <i>12 mo:</i> -0.9 (-4.5,2.7)	46.8	48.2	0.95 (0.62,1.45)
	PD							52.5	54.6	54.6		48	49.4	
PCS	ICHD							32.7	30.1	31.6	<i>Baseline:</i> 1.2 (-2.0,4.3) <i>6 mo:</i> 2.9 (-0.04,5.9) <i>12 mo:</i> -0.5 (-4.1,1.7)	32.5	33.2	0.79 (0.52,1.20)
	PD							34.7	35.5	32		33.5	32.5	
RSC	ICHD													
	PD													
PF	ICHD	48.0 (2.7)	47.3 (2.9)	47.6 (3.0)	40	42.9	43.3					45.3	45.7	0.72 (0.45,1.15)
	PD	47.5 (6.1)	45 (6.0)	43.8 (5.9)	42	48.5	35.1					49.6	45.1	
RP	ICHD	25.9 (3.4)	33.2 (3.8)	31.6 (3.7)	12.2	24.3	21.4					23.7	28.5	0.84 (0.54,1.31)
	PD	34.4 (9.5)	25 (7.4)	27.2 (7.4)	13.9	36.7	35.1					25.3	26.5	
BP	ICHD	62.6 (2.7)	57.9 (2.9)	57.5 (2.7)	43	49.7	46.1					56	57.2	1.12 (0.74,1.71)
	PD	66.0 (6.1)	64.7 (5.9)	66.3 (5.6)	44.5	59.2	55.2					62.5	62.6	
GH	ICHD	43.0 (2.0)	42 (2.1)	41.8 (2.0)	38.1	40.5	44.1					41.5	44.3	0.65 (0.41,1.04)
	PD	43.3 (4.1)	43.3 (4.1)	40.4 (4.0)	39.6	46.8	44.9					42.2	41.2	
V	ICHD	43.3 (2.2)	43.9 (2.2)	42.4 (2.1)	30.1	35.4	35.3					42.2	44.3	0.90 (0.59,1.38)
	PD	41.7 (3.6)	41.3 (4.1)	41 (3.7)	30.8	42.1	37.7					40.7	39.9	
RE	ICHD	56.5 (4.2)	58.6 (4.1)	56.3 (4.3)	55.7	62.4	60.5					60.3	64.2	0.88 (0.56,1.38)
	PD	63.9 (8.7)	51.4 (10.0)	44.4 (9.3)	53.4	63	62.9					62.9	64.1	
SF	ICHD	60.6 (2.4)	59.9 (2.8)	58 (2.9)	18.9	26.3	27.4					52.3	57.4	0.88 (0.58,1.36)
	PD	68.2 (5.3)	60.9 (5.2)	65.1 (4.0)	17.3	44.6	48.3					60.9	63.1	
MH	ICHD	72.6 (1.7)	69.3 (2.0)	69.4 (1.9)	47.7	55.7	52.1					69.1	69.7	1.19 (0.76,1.89)
	PD	70.5 (4.0)	69.7 (5.0)	71.7 (3.5)	47.3	58	58.3					71.8	73.1	

CI=confidence intervals; ICHD = in-centre hemodialysis; mo = months; OR = odds ratio; PD = peritoneal dialysis; SE = standard error; vs = versus \*Harris mean differences adjusted for study cohort, time on dialysis, age, sex, social class, and comorbidity \*\*Wu ORs adjusted for baseline domain score, age, gender, race, education, albumin, creatinine, and hematocrit; Data is presented as it was reported in the published studies (some studies did not report SDs or SEs, and only presented means). Empty cells indicate data not reported in the published studies.

**SF-36 domains** MCS = mental component score PCS = physical health component score RCS = Role of social component score V = vitality (energy/fatigue) SF = social function (social functioning) RE = role emotional (limitation in role functioning due to mental health) ME = mental health (psychological well-being) PCS = physical health component score PF = physical function (limitations in performing physical activities) RP = role physical (limitations in role functioning due to physical health) BP = bodily pain (somatic pain) GH = general health (general perceptions about health)

Table 2: Mean quality of life scores for the change in quality of life scores comparing in-centre hemodialysis to peritoneal dialysis from updated literature search (Short-Form-36)

First author, year		Hiramatsu, 2019			Jung, 2019			Iyasere, 2019
Domain scores								
Domain	Dialysis modality	Baseline: mean( $\pm$ SE)	12 mo: mean( $\pm$ SE)	24 mo: mean( $\pm$ SE)	3 mo: mean( $\pm$ SD)	12 mo: mean( $\pm$ SD)	24 mo: mean( $\pm$ SD)	Estimated mean differences for PD-ICHD at various time points (3, 6, 9, 12, 15, 18, and 21 months) compared to 24 months
MCS	ICHD	51.9 (5.5)	52.2 (8.3)	51.6 (7.6)	52.1 (19.8)	55.5 (19.5)	53.7 (19.7)	Not significant differences from any time point to 24 months
	PD	50.1 (8.8)	49.4 (7.2)	51.8 (7.7)	54.0 (20.2)	56.3 (19.3)	52.9 (21.1)	
PCS	ICHD	39.4 (8.8)	38.0 (10.4)	36.3 (10.1)	55.4 (21.3)	60.5 (22.6)	59.3 (21.0)	Not significant differences from any time point to 24 months
	PD	39.4 (10.8)	45.9 (11.9)	42.8 (11.3)	59.1 (21.7)	60.6 (22.8)	59.7 (22.3)	
RSC	ICHD	43.9 (13.3)	38.3 (12.5)	36.8 (12.8)				
	PD	37.3 (13.6)	46.8 (10.7)	46.4 (8.9)				
PF	ICHD				68.3 (26.0)	71.7 (26.5)	71.1 (23.6)	
	PD				71.6 (26.0)	72.7 (26.6)	73.5 (25.5)	
RP	ICHD				40.4 (41.2)	55.2 (42.8)	50.7 (43.1)	
	PD				46.5 (42.7)	51.6 (44.5)	52.5 (42.0)	
BP	ICHD				69.3 (24.7)	72.4 (23.4)	72.4 (23.8)	
	PD				73.7 (23.2)	72.1 (23.7)	73.3 (23.9)	
GH	ICHD				35.9 (18.3)	37.7 (20.2)	37.3 (20.5)	
	PD				38.3 (19.7)	38.8 (19.6)	32.7 (18.4)	
V	ICHD				43.2 (18.8)	45.3 (17.5)	43.6 (17.1)	
	PD				44.9 (19.1)	44.7 (17.2)	41.3 (18.0)	
RE	ICHD				55.4 (44.9)	62.6 (44.4)	62.4 (43.9)	
	PD				55.4 (45.7)	63.7 (44.0)	60.4 (45.3)	
SF	ICHD				64.0 (25.6)	67.5 (25.3)	64.4 (25.9)	
	PD				65.4 (26.1)	70.1 (25.0)	66.2 (25.3)	
MH	ICHD				52.6 (17.1)	54.7 (16.8)	52.3 (17.0)	
	PD				56.0 (17.4)	55.5 (15.6)	52.4 (17.3)	

ICHD = in-centre hemodialysis; mo = months; PD = peritoneal dialysis; SE = standard error; SD = standard deviation; vs = versus; Data is presented as it was reported in the published studies (some studies did not report SDs or SEs, and only presented means).

Empty cells indicate data not reported in the published studies.

**SF-36 domains** MCS = mental component score PCS = physical health component score RCS = Role of social component score V = vitality (energy/fatigue) SF = social function (social functioning) RE = role emotional (limitation in role functioning due to mental health) ME = mental health (psychological well-being) PCS = physical health component score PF = physical function (limitations in performing physical activities) RP = role physical (limitations in role functioning due to physical health) BP = bodily pain (somatic pain) GH = general health (general perceptions about health)

Table 3: Quality of life scores categorized as the proportion of patients reporting the same, better or worse presented for the change in quality of life scores comparing in-centre hemodialysis to peritoneal dialysis (Short-Form-36)

First author, year	De Abreu, 2011*			Wu, 2004**			
	Change in domain score from baseline to 12 months						
Domain	Dialysis modality	Same (%)	Better (%)	Worse (%)	Same (%)	Better (%)	Worse (%)
MCS (mental health component score)	ICHD	54.5	22.8	22.8	48	25	27
	PD	47.8	26.1	26.1	49	27	24
PCS (physical health component score)	ICHD	40.2	24.3	35.5	42	27	31
	PD	36	23.6	40.4	43	25	32
PF (physical function -limitations in performing physical activities)	ICHD				51	22	27
	PD				54	18	28
RP (role physical -limitations in role functioning due to physical health)	ICHD				58	21	21
	PD				56	21	23
BP (bodily pain -somatic pain)	ICHD				46	25	28
	PD				47	27	26
GH (general health - general perceptions about health)	ICHD				59	20	21
	PD				63	16	21
V (vitality -energy/fatigue)	ICHD				49	24	27
	PD				46	25	29
RE role emotional -limitation in role functioning due to mental health)	ICHD				59	21	20
	PD				57	21	22
SF (social functioning)	ICHD				41	28	30
	PD				43	27	30
MH (mental health -psychological well-being)	ICHD				57	19	24
	PD				57	22	21

ICHD = in-centre hemodialysis; PD = peritoneal dialysis; \*Clinically significant changes in quality of life for the individual domains were defined as a difference of +5 points. Clinically significant changes for the PCS and MCS are defined as +/- 5.7 points and +/-6.3 points, respectively; \*\*Defined significant 1-yr increases and decreases in dialysis-specific and SF-36 domains as changes in domain scores exceeding two standard errors of measurement (SEM); Empty cells indicate data not reported in the published studies.

Table 4: Mean quality of life scores for the change in quality of life scores comparing in-centre hemodialysis to peritoneal dialysis (Kidney Disease Quality of Life KDQOL)

First author, year		Manns, 2003			Frimat, 2006			Harris, 2002			Neumann, 2017		Jung, 2019			
Domain	Dialysis modality	Domain scores														
		Baseline mean (±SE)	6 month mean (±SE)	12 month mean (±SE)	Baseline mean	6 month mean	12 month mean	Baseline mean	6 month mean	12 month mean	Calculated mean differences (95% CI) for PD-ICHD	Baseline mean (±SD)	12 month mean (±SD)	3 month mean (±SE)	12 month Mean (±SE)	24 month mean (±SE)
SP	ICHD	72.8 (1.6)	73.1 (1.5)	73.1 (1.5)	65.7	68.8	66.9	81.6	79.7	80	Baseline: 3.5 (0.3, 6.6); 6 mo: 2.4 (-0.5, 5.3); 12 mo: -1.2 (-4.1, 1.7)			79.7 (15.6)	81.4 (15.0)	79.6 (15.6)
	PD	73.7 (3.1)	73.6 (3.3)	73.5 (3.2)	68	74.8	75	85.4	85.2	82				82.0 (14.8)	82.6 (12.9)	80.8 (14.8)
EK	ICHD	59.0 (2.0)	60.4 (2.2)	59.4 (2.0)	61	57.2	55.9							68.5 (18.2)	70.4 (18.6)	69.8 (17.8)
	PD	68.5 (4.3)	67.7 (3.3)	66.7 (2.9)	58.5	66.3	64							73.6 (17.5)	75.4 (16.2)	72.8 (18)
BK	ICHD	36.9 (2.3)	38.3 (2.5)	40.3 (2.4)	42.5	39.5	38.8							31.5 (21.6)	32.1 (23.9)	30.5 (22.8)
	PD	48.7 (5.4)	52.6 (5.5)	51.8 (5.2)	40.2	53.9	51							38.0 (24.2)	38.4 (23.5)	31.9 (22.4)
WS	ICHD	31.0 (3.3)	26.2 (3.1)	29.2 (3.3)	14.5	9.5	11							25.3 (32.8)	25.1 (33.6)	23.7 (31.6)
	PD	35.4 (8.2)	33.3 (8.3)	29.2 (7.9)	17	21.3	17.3							37.1 (37.4)	36.9 (38.5)	32.1 (37.9)
CF	ICHD	79.2 (1.6)	78.1 (1.7)	78.3 (1.7)	63.5	66.5	65.8					87.8 (13.6)	86.0 (14.1)	83.6 (19.0)	84.6 (18.4)	82.7 (19.5)
	PD	76.7 (4.2)	77.8 (4.0)	81.1 (3.2)	63.4	71.7	71.7					86.7 (13.5)	84.4 (15.3)	85.9 (16.3)	87.1 (17.0)	84.2 (16.8)
QS	ICHD	77.2 (1.8)	77.4 (1.5)	77.7 (1.5)	79.1	77.3	78.4							65.5 (20.4)	66.4 (18.1)	68.0 (18.9)
	PD	71.9 (3.2)	75.6 (3.6)	75.6 (2.9)	77.4	79.8	80.2							68.5 (19.4)	69.2 (17.8)	67.3 (16.0)
SF	ICHD	77.5 (7.9)	75.6 (8.5)	76.3 (9.2)	59.3	51.5	49.1							70.3 (32.4)	68.5 (30.2)	60.9 (30.9)
	PD	70.7(12.5)	71.2(13.1)	70.9(12.1)	53.8	56.5	70.8							74.2 (30.5)	74.8 (27.8)	75.0 (31.7)
SL	ICHD	58.4 (1.9)	57.5 (1.9)	55.9 (1.9)	53.1	55.4	54.3							68.1 (19.7)	67.2 (20.1)	66.6 (17.5)
	PD	56.6 (3.3)	49.4 (2.7)	53.7 (2.7)	53.8	58.6	60.3							69.0 (18.3)	69.4 (19.2)	67.3 (18.8)
SS	ICHD	75.3 (2.3)	72.6 (2.5)	72.6 (2.4)	70.5	66.4	67.1							59.9 (24.6)	60.0 (22.7)	60.1 (21.8)

	<b>PD</b>	77.1 (5.2)	69.4 (5.5)	72.2 (5.0)	66.2	69.8	66.7							63.6 (23.2)	62.0 (22.7)	58.3 (21.8)
<b>DE</b>	<b>ICHD</b>	79.3 (2.2)	84.6 (1.7)	81.6 (2.0)										85.4 (18.5)	84.1 (19.3)	84.4 (16.3)
	<b>PD</b>	89.6 (2.8)	82.8 (3.7)	87 (3.1)										88.4 (14.8)	88.0 (14.5)	88.6 (14.2)
<b>PS</b>	<b>ICHD</b>	75.9 (2.2)	76.5 (1.9)	77.2 (1.9)										68.4 (23.2)	67.8 (22.4)	65.2 (23.6)
	<b>PD</b>	83.3 (2.7)	79.8 (3.2)	77.1 (3.7)										68.8 (22.1)	71.1 (19.3)	66.8 (20.7)

CI = confidence intervals; ICHD = in-centre hemodialysis; mo = months; PD = peritoneal dialysis; SE = standard error; vs = versus; \*Harris mean differences adjusted for study cohort, time on dialysis, age, sex, social class, and comorbidity; Data is presented as it was reported in the published studies (some studies did not report SDs or SEs, and only presented means). Empty cells indicate data not reported in the published studies. **KDQOL domains** SP = symptoms/problems EK = effects of kidney disease BK = burden of kidney disease WS = work status CF = cognitive function QS = quality of social function SF = sexual function SL = sleep SS = social support DE = dialysis staff encouragement PS = patient satisfaction



Table 5: Quality of life scores categorized as the proportion of patients reporting the same, better or worse presented for the change in quality of life scores comparing in-centre hemodialysis to peritoneal dialysis (KDQOL)

<b>First author, year</b>		<b>De Abreu, 2011*</b>		
		<b>Change in domain score from baseline to 12 months</b>		
<b>Domain</b>	<b>Dialysis modality</b>	<b>Same (%)</b>	<b>Better (%)</b>	<b>Worse (%)</b>
SP (symptoms/problems)	ICHD	30.9	31.4	37.8
	PD	29.8	30.4	39.8
EK (effects of kidney disease)	ICHD	29.3	27.1	43.6
	PD	26.1	23.6	50.3
BK (burden of kidney disease)	ICHD	20.2	27.7	52.1
	PD	26.9	23.1	50
WS (work status)	ICHD	61.4	18	20.6
	PD	58.1	16.3	25.6
CF (cognitive function)	ICHD	14.9	30.9	54.3
	PD	24.2	36.7	39.1
QS (quality of social function)	ICHD	18.8	33.3	47.9
	PD	16.3	33.1	50.6
SF (sexual function)	ICHD	53.5	6.9	39.7
	PD	56.3	0	43.8
SL (sleep)	ICHD	15	39.6	45.5
	PD	20.5	28.6	50.9
SS (social support)	ICHD	56.6	24.3	19.1
	PD	65.6	13.8	20.6
DE (dialysis staff encouragement)	ICHD	59.6	21.3	19.2
	PD	73.9	13	13
PS (patient satisfaction)	ICHD	43.9	27.5	28.6
	PD	45.3	22.4	32.3

ICHD = in-centre hemodialysis; PD = peritoneal dialysis \*Clinically significant changes in quality of life for the individual domains were defined as a difference of +5 points.

Table 6: Mean quality of life scores for the change in quality of life scores comparing in-centre hemodialysis to peritoneal dialysis (EuroQOL)

First author, year		Manns, 2003		
		<b>Domain scores</b>		
Domain	Dialysis modality	Baseline mean (±SE)	6 months mean (±SE)	12 months mean (±SE)
<b>Visual analogue scale (VAS) (0-100)</b>	ICHD	61.9 (1.8)	59.3 (1.8)	59.5 (1.9)
	PD	63.3 (3.6)	64.3 (3.3)	65.5 (3.0)
<b>Index score (IND) (0-1)</b>	ICHD	0.65 (0.027)	0.62 (0.031)	0.62 (0.30)
	PD	0.68 (0.063)	0.68 (0.070)	0.67 (0.046)

ICHD = in-centre hemodialysis; PD = peritoneal dialysis; SE = standard error

Table 7: Mean quality of life scores for the change in quality of life scores comparing in-centre hemodialysis to peritoneal dialysis (CHOICE health experience questionnaire)

<b>First author, year</b>	<b>Wu, 2004</b>					
<b>Domains</b>	<b>Dialysis modality</b>	<b>Domain Scores</b>		<b>Change in domain score from baseline to 12 months</b>		
		<b>Baseline mean</b>	<b>12-month mean</b>	<b>Same (%)</b>	<b>Better (%)</b>	<b>Worse (%)</b>
<b>SP (symptoms/problems)</b>	<b>ICHD</b>	77.3	76.3	56	19	25
	<b>PD</b>	79.3	78.1	59	18	23
<b>CF (cognitive function)</b>	<b>ICHD</b>	76.2	74.3	56	17	27
	<b>PD</b>	77.5	75.8	56	19	25
<b>SL (sleep)</b>	<b>ICHD</b>	56.6	58.4	57	20	23
	<b>PD</b>	62.5	56.9	56	17	27
<b>SX (sex)</b>	<b>ICHD</b>	68.4	66.8	50	20	30
	<b>PD</b>	62.5	58	50	20	30
<b>BI (body image)</b>	<b>ICHD</b>	78.9	82.4	64	17	19
	<b>PD</b>	79.8	79.7	69	13	18
<b>QOL (quality of life)</b>	<b>ICHD</b>	52.5	52.6	57	19	24
	<b>PD</b>	56.6	53.1	58	17	25
<b>FR (freedom)</b>	<b>ICHD</b>	57.9	58.5	59	19	22
	<b>PD</b>	60.1	61.7	59	21	20
<b>TR (travel)</b>	<b>ICHD</b>	58.1	54.3	58	17	25
	<b>PD</b>	66.6	63	60	17	23
<b>RC (recreation)</b>	<b>ICHD</b>	58.9	58.8	60	18	22
	<b>PD</b>	64.9	61.4	65	14	21
<b>FN (finance)</b>	<b>ICHD</b>	53.1	52.7	61	17	23
	<b>PD</b>	58.3	64.5	63	19	18
<b>WK (work)</b>	<b>ICHD</b>	62	61	58	18	24
	<b>PD</b>	63.9	67.8	58	23	19
<b>DT (diet)</b>	<b>ICHD</b>	58.7	57.2	58	17	25
	<b>PD</b>	72.3	72.9	62	17	21
<b>TM (time)</b>	<b>ICHD</b>	57.3	55	63	16	21
	<b>PD</b>	58.7	59.8	67	17	16

AC (access)	<b>ICHD</b>	66.6	72.3	53	24	23
	<b>PD</b>	74.9	80.7	58	23	19

ICHD = in-centre hemodialysis; PD = peritoneal dialysis

Table 8: Mean differences between peritoneal dialysis and in-centre hemodialysis (PD-ICHD) over time via mixed model analysis using multiple QOL scores

Timepoint	Outcomes									
	HADS		IIRS		Barthel score		Symptoms score		RTSQ	
	Estimate (95% CI)	p-value	Estimate (95% CI)	p-value	Estimate (95% CI)	p-value	Estimate (95% CI)	p-value	Estimate (95% CI)	p-value
<b>3months vs 24 months</b>	-	NS	NS	NS	-	-	4.12(-7.72 to -0.52)	0.03	-	-
<b>6months vs 24 months</b>	-	NS	NS	NS	NS	NS	-3.51(-7.04 to 0.03)	0.05	NS	NS
<b>9 months vs 24 months</b>	-	NS	NS	NS	-	-	-5.08(-8.56 to -1.59)	<0.01	-	-
<b>12months vs 24 months</b>	-	NS	NS	NS	NS	NS	NS	NS	3.96(0.37 to 7.54)	0.03
<b>15months vs 24 months</b>	-	NS	NS	NS	-	-	NS	NS	-	-
<b>18months vs 24 months</b>	-	NS	4.42(0.03 to 8.80)	0.05	NS	NS	NS	NS	NS	NS
<b>21months vs 24 months</b>	-	NS	NS	NS	-	-	NS	NS	-	-

NS = Not significant; - means not included in the final model; Estimate is the average difference between PD - ICHD

**Quality of life scales:** HADS = Hospital Anxiety and Depression Scale; SF-12 = Short-form-12; IIRS = Illness Intrusiveness Rating Scale; RTSQ = Renal Treatment Satisfaction Questionnaire

Table 9: Mean quality of life scores for the change in quality of life scores comparing in-centre hemodialysis to home hemodialysis (Short-Form-36)

First author, year		Culleton, 2007 and Manns, 2009	
		Domain scores	
Domain	Dialysis modality	Baseline: mean (95% CI)	Difference of Nocturnal HHD-ICHD at 6 months: mean (95% CI)
MCS (mental health component score)	ICHD	42.1 (37.2, 47.0)	0.71 (-5.85, 7.26)
	NHHD	50 (45.4, 54.5)	
PCS (physical health component score)	ICHD	32.7 (29.0, 36.5)	1.24 (-3.59, 6.07)
	NHHD	31.7 (26.1, 37.4)	
PF (physical function - limitations in performing physical activities)	ICHD	53.3 (43.7, 62.9)	1.35 (-9.98, 12.67)
	NHHD	49.6 (36.7, 62.6)	
RP (role physical - limitations in role functioning due to physical health)	ICHD	21 (6.8, 35.2)	-3.88 (-24.15, 16.38)
	NHHD	29.8 (13.4, 46.2)	
BP (bodily pain - somatic pain)	ICHD	48.8 (37.7, 59.9)	-1.03 (-14.77, 12.72)
	NHHD	59.9 (47.4, 72.3)	
GH (general health - general perceptions about health)	ICHD	32 (23.3, 40.7)	12.82 (2.88, 22.77)
	NHHD	34.8 (24.8, 44.8)	
V (vitality – energy/fatigue)	ICHD	36.0 (27.9, 44.1)	2.82 (-8.67, 14.30)
	NHHD	40.6 (30.2, 51.0)	
RE (role emotional – limitation in role functioning due to mental health)	ICHD	41.3 (23.9, 58.8)	-10.46 (-35.43, 14.50)
	NHHD	75.6 (60.6, 90.7)	
SF (social functioning)	ICHD	54.5 (44.5, 64.5)	2.92 (-9.52, 15.37)
	NHHD	63.5 (50.6, 76.3)	
MH (mental health – psychological well-being)	ICHD	63.4 (54.6, 72.1)	4.78 (-6.24, 15.81)
	NHHD	71.4 (62.7, 80.1)	

CI = confidence intervals; HHD = home hemodialysis; ICHD = in-centre hemodialysis; NHHD = nocturnal home hemodialysis; OR = odds ratio

Table 10: Mean quality of life scores for the change in quality of life scores comparing in-centre hemodialysis to home hemodialysis (Kidney Disease Quality of Life KDQOL)

First author, year		Culleton, 2007 and Manns, 2009	
		Domain scores	
Domain	Dialysis modality	Baseline: mean (95% CI)	Difference of Nocturnal HHD-ICHD at 6 months: mean (95% CI)
SP (symptoms/problems)	ICHD	65.4 (57.5, 73.4)	-1.04 ( -8.31, 6.23)
	NHHD	73.8 (67.6, 79.9)	
EK (effects of kidney disease)	ICHD	42 (32.9, 51.1)	2.58 ( -4.54, 9.71)
	NHHD	54.6 (45.9, 63.2)	
BK (burden of kidney disease)	ICHD	25.4 (17.1, 33.7)	10.70 (2.42, 18.99)
	NHHD	35.3 (23.1, 47.6)	
SL (sleep)	ICHD	46.3 (36.5, 56.1)	-3.50 ( -12.66, 5.66)
	NHHD	58.8 (53.2, 64.5)	

CI = confidence intervals; HHD = home hemodialysis; ICHD = in-centre hemodialysis; NHHD = nocturnal home hemodialysis

Table 11: Mean quality of life scores for the change in quality of life scores comparing conventional home hemodialysis to frequent nocturnal hemodialysis (RAND-36, Beck Depression Inventory, Study Sleep Problems Index)

First author, year		Unruh, 2013 and Unruh, 2016			
		Domain scores		Calculated data	
Domain	Dialysis modality	Baseline Mean ( $\pm$ SD)	12 months Mean ( $\pm$ SD)	Change from baseline Mean ( $\pm$ SE)*	Treatment comparison FNHHD vs CHHD (95% CI)*
<b>(RAND-36) Mental health composite</b>	<b>NHHD</b>	45.6 $\pm$ 10.5	48.2 $\pm$ 11.7	+3.0 $\pm$ 1.6	3.7 (-0.5, 8.3)
	<b>CHHD</b>	45.9 $\pm$ 12.6	45.6 $\pm$ 12.2	-0.7 $\pm$ 1.6	
<b>(RAND-36) Emotional well-being</b>	<b>NHHD</b>	75.7 $\pm$ 18.1	78.4 $\pm$ 18.0	+3.3 $\pm$ 2.7	5.3 (-1.8, 12.5)
	<b>CHHD</b>	77.1 $\pm$ 21.7	75.6 $\pm$ 21.4	-2.0 $\pm$ 2.7	
<b>(RAND-36) Role limitation due to emotional problems</b>	<b>NHHD</b>	87.4 $\pm$ 24.9	89.7 (26.7)	+6.6 (5.4)	4.9(-8.2, 18.2)
	<b>CHHD</b>	77.0 (39.3)	82.9 (33.2)	+1.7 (5.5)	
<b>(RAND-36) Energy/fatigue</b>	<b>NHHD</b>	48.6 (22.9)	51.4 (25.0)	+3.1 (3.3)	3.0 (-5.9, 11.9)
	<b>CHHD</b>	48.4 (19.5)	49.6 (22.6)	+0.1 (3.3)	
<b>(RAND-36) Social functioning</b>	<b>NHHD</b>	73.1 (25.3)	80.4 (26.1)	+7.5 (3.9)	7.2 (-3.1, 17.5)
	<b>CHHD</b>	75.6 (25.6)	76.0 (26.2)	+0.3 (3.9)	
<b>SPI II (Sleep Problems Index)</b>	<b>NHHD</b>	33.8 (17.4)	29.8 (17.7)	-3.3 (2.8)	-4.5 (-12.2, 3.2)
	<b>CHHD</b>	32.0 (18.4)	33.0 (23.1)	+1.2 (2.8)	

<b>Hours of sleep</b>	<b>NHHD</b>	6.51 (1.43)	6.80 (1.71)	+ 0.27 (0.19)	0.43 (-0.09, 0.96)
	<b>CHHD</b>	6.37 (1.45)	6.24 (1.55)	-0.16 ( 0.19)	
<b>BDI (Beck Depression Inventory)</b>	<b>NHHD</b>	11.2 (8.1)	9.7 (8.6)	-2.0 (1.2)	-1.6 (-4.9, 1.7)
	<b>CHHD</b>	12.2 (9.2)	11.1 (10.2)	-0.4 (1.2)	
<b>CG (cognitive subscale of BDI)</b>	<b>NHHD</b>	6.2 (6.1)	5.3 ( 5.9)	-1.1 (0.9)	-1.6 (-4.1, 0.8)
	<b>CHHD</b>	6.5 (6.9)	6.6 (7.8)	+ 0.6 (0.9)	

CHHD = conventional home hemodialysis; NHHD = nocturnal home hemodialysis; SD = standard deviation; SE = standard error

\*Adjusted for clinical centre and baseline score