

DHMC CSDM Decision Making Summary
Total Knee Replacement: 1 July 2005 - 31 March 2007

Loan Summary

Measure	Response	N (%)
Circulation:	Total loans	385 (100%)
	Returned video	338 (88%)
	Returned questionnaire	220 (65%)
	Discussed trt w/ Dr	207 (94%)
Age:	Average(SD)	63.7(10.6)
Sex:	Female	115 (52%)
	Male	105 (48%)
Education:	Some HS or less	8 (6%)
	High school graduate	31 (22%)
	Some college	27 (19%)
	College graduate	75 (53%)

Decision Making

Measure	Response	Before video	After video
Role Pref:	I decide, with Dr's opinion		123 (61%)
	Doctor and I share decision		75 (37%)
	Dr. decides, with my opinion		3 (1%)
Stage DM:	Not yet thought about options	4 (2%)	2 (1%)
	Considering the options	54 (27%)	39 (19%)
	Close to choosing option	58 (29%)	53 (26%)
	Already made a choice	85 (42%)	107 (53%)
Leaning:	Non-Surgical	23 (11%)	28 (14%)
	Unsure	33 (16%)	25 (12%)
	Surgery	145 (72%)	148 (74%)
	Change treatment(bef vs after)		27 (12%)

	Before video	After video (N)		
		Non-Surgical	Unsure	Surgery
Non-Surgical	23	19	3	1
Unsure	33	5	19	9
Surgery	145	4	3	138
Total	201	28	25	148

IPDAS Evaluation Criteria: target goal >= 75%

DECISION PROCESS (n=206)	After video %Yes (95% CI)
Know available options	99% (96-100)
Know option benefits	98% (95-99)
Know option risks	97% (94-99)
Clear which benefits matter	96% (92-98)
Recognize decision is needed	68% (61-74)
Know values affect decision	85% (79-89)
Become involved in decision	79% (73-85)
Discuss values with doctor	73% (67-79)

VIDEO ACCEPTABILITY

Right amount of information	100% (97-100)
Everything/Most things clear	99% (96-100)
Very/Somewhat helpful	89% (84-93)
Balanced information	96% (92-99)
Definitely/Probably recommend	100% (97-100)

Decision Quality - Knowledge and Values

Reference: Sepucha KR, Fowler FJ, Mulley AG. Health Affairs, 2004.

Knowledge Questions	Response	N (%)
Summary	Average score	77%
Over time, the pain associated with osteoarthritis of the knee usually	** Gets worse	192 (91%)
	Stays about the same	11 (5%)
	I am not sure	6 (3%)
	Gets better	3 (1%)
On average, how many years does a total knee replacement last before surgery is needed again?	** Between 11 and 20 years	169 (79%)
	More than 20 years	26 (12%)
	Between 6 and 10 years	11 (5%)
	I am not sure	5 (2%)
	Between 1 and 5 years	4 (2%)

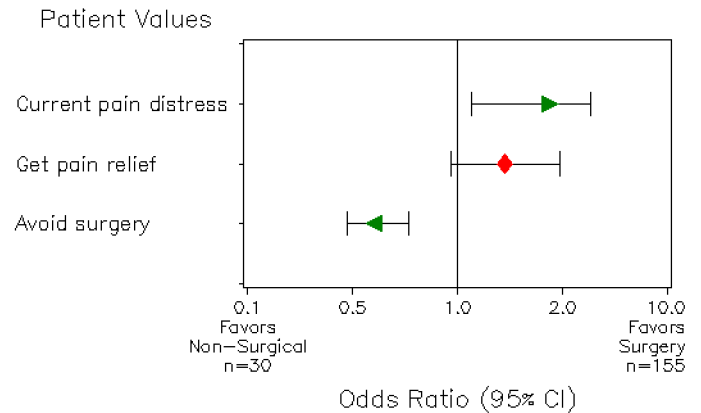
When 100 patients have total knee replacement surgery, about how many will find their ability to walk without pain is improved?

** Between 76 and 100	191 (89%)
Between 51 and 75	9 (4%)
I am not sure	9 (4%)
Between 0 and 25	4 (2%)
Between 26 and 50	2 (1%)

How long does it take the average patient who has total knee replacement to fully recover from the effects of surgery?

4 to 6 months	111 (52%)
** More than 6 months	81 (38%)
1 to 3 months	21 (10%)
I am not sure	1 (0%)
Less than 1 month	0 (0%)

Logistic regression (Odds of choosing surgery)



VALUE/CHOICE CONCORDANCE: Using value scores, calculate predicted treatment and compare to chosen treatment (% match).

Intention	Before video	After video
Non-Surgical	23 (48%)	28 (54%)
Surgery	145 (94%)	148 (95%)
subtotal (Non-Surgical, Surgery)	168 (88%)	176 (89%)
TOTAL (Non-Surgical, Surgery, Unsure)	201 (73%)	201 (78%)