

The Patient Perspective and Value Assessment: Easy to Identify the Need, Hard to Agree on the Solution

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Value assessment frameworks need to reflect patient perspectives, but how?

- Condition-specific approaches
 - Allow attribute importance to vary across conditions
- Multiple perspectives
 - Distinguish groups per condition
- Predict preferences
 - Identify characteristics that reveal preferences



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Author acknowledgement

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Surveyed 500+ patients/caregivers on value as a function of 7 attributes

Attribute	# of levels
Survival	5
Functioning	4
Side effects	4
Treatment requirements	4
Out-of-pocket costs	4
Insurance company costs	4
Available test to see if therapy will work	2



Sample sizes:
Patients: rheumatoid arthritis (n=101); hypertension (n=100); breast cancer (n=100)
Caregivers: pediatric asthma (n=101); Alzheimer's disease (n=101)



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Sample choice task

Scenario 1 of 12	Therapy 1	Therapy 2	Therapy 3
Average life extension due to reduction in risk of heart attack or stroke compared to current therapy	9 months	12 months	No improvement
Average improvement in your functioning due to less pain and joint swelling compared to current therapy	60% better	40% better	20% better
Average change in side effects compared to current therapy	10% more major side effects 20% more minor side effects	5% fewer major side effects 5% fewer minor side effects	15% more minor side effects
Treatment requirements	infusion every 4 weeks	injection every week	Oral daily
Your monthly out-of-pocket costs	\$25 per month	\$2,000 per month	\$300 per month
Annual insurance company costs	\$40,000 per year	\$90,000 per year	\$25,000 per year
Available test to see if the therapy will work for you	No test available to determine if this will work for you	Test available and it indicates the therapy will work for you	No test available to determine if this will work for you
Which of the three therapy options do you most prefer?	<input type="radio"/> Therapy 1	<input type="radio"/> Therapy 2	<input type="radio"/> Therapy 3
Would you switch from your current therapy to the therapy option you just selected if this therapy were available today?	<input type="radio"/> No <input type="radio"/> Yes		

Analytic methods detected groups that differed by preferences

- Latent class analysis
 - Verified appropriate number of groups
 - Results: preferences for each group
- Logistic regression
 - Results: estimates for predictors of group-membership

Group preferences differed for some attributes, not for others

	# of Groups	Survival	Functioning	Side effects	Treatment requirements	Out-of-pocket cost	Total cost	Test available
RA	2			≠		≠		≡
HT	2			≠		≠	≡	≡
BC	2	≡			≠	≠	≡	≠
PA	3	≠	≠	≠				
AD	2					≠		≡

USC
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Legend:

RA = rheumatoid arthritis; HT=hypertension; BC = breast cancer;
PA = pediatric asthma; AD=Alzheimer's disease



Overlapped

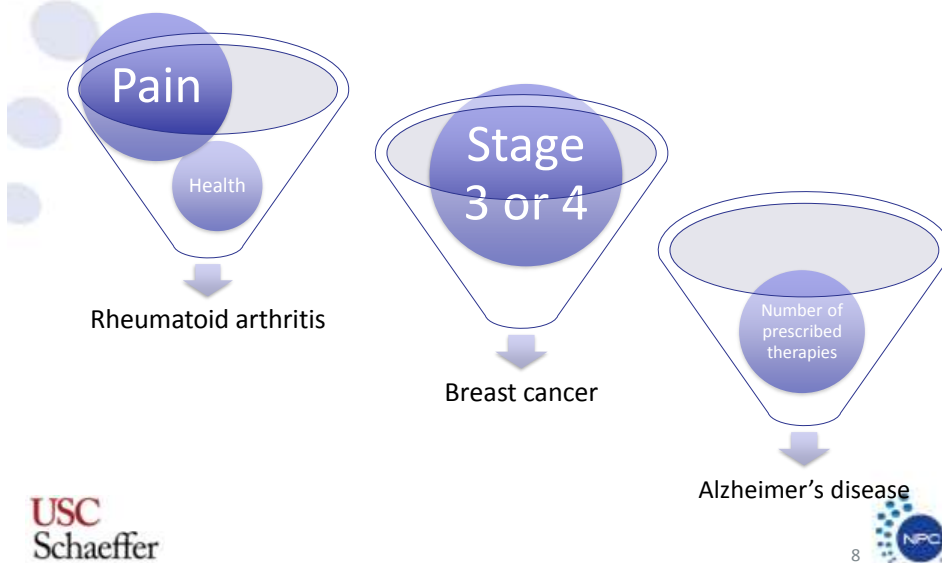


Did not overlap



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Few predictors of preference groups found



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How to make it a reality for framework development

- Ascertain what patients care about from the outset
- Identify conditions with sub-groups
- Determine if differences result in different decisions
- Test methods for incorporating preferences into value assessment frameworks
 - Weighting methodology
 - Expanded set of indirect benefits
- Distribute responsibility
 - Value framework developers, industry, patient advocate groups, researchers