### Appendix 2.

**Review I: Relationships between Health Literacy and Values Clarity/Decision Confidence**

<table>
<thead>
<tr>
<th>Authors, Year, Study Design, Sample Size</th>
<th>Population and Setting, Health Literacy or Education Level</th>
<th>Variables Used in Multivariate Analysis</th>
<th>Outcome Measure &amp; Results By Health Literacy Skill Level</th>
<th>Differences in Results Between Health Literacy Skill Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hawley et al., 2008 [1] Cross-sectional N = 877</td>
<td>Breast cancer patients from Los Angeles SEER registry making a decision about surgical treatment. Subjective health literacy questions adapted from Chew: Lowest tertile -- 12%</td>
<td>Race/ethnicity Age Education Marital status</td>
<td>Decision Regret</td>
<td>Decision Regret (low vs. high health literacy): Odds ratio 3.5 (1.8 to 7.1)</td>
</tr>
<tr>
<td>Martin, 2008 [2] Cross-sectional N = 628</td>
<td>Patients from 5 community rheumatology clinics making a decision about rheumatoid arthritis treatment. Objective numeracy (4 questions) from DMARD Knowledge profile: Not reported</td>
<td>None</td>
<td>Decision Confidence measured by sub-index of COMRADE instrument</td>
<td>Decision Confidence: Pearson correlation 0.07; p not significant</td>
</tr>
<tr>
<td>Sudore, 2010 [3] Cross-sectional N = 205</td>
<td>Multiethnic general medicine outpatients at a county hospital</td>
<td>Age Gender Education</td>
<td>% participants reporting Decision Uncertainty on single question:</td>
<td>Adjusted odds ratio of reporting decision uncertainty (inadequate/marginal versus adequate): 2.11 (1.03 to 4.33)</td>
</tr>
</tbody>
</table>
Making a decision about life support

Functional health literacy on S-TOFHLA:
Inadequate: 22%
Marginal: 18%
Adequate: 60%

Health Status
Note: religiosity, trust, and prior experience not associated or included
Adequate health literacy: 34%
Marginal health literacy: 62%
Inadequate health literacy: 60%

Torres, 2009 [4]
Cross-sectional
N = 106
106 women recruited from a family clinic and making decisions about hormone replacement therapy.

Functional health literacy on S-TOFHLA:
Inadequate: 46%
Marginal: 18%
Adequate: 36%

Mean Decision Confidence
Decision Confidence: Pearson correlation 0.70; p < 0.01
by 11-item decision self-efficacy scale

Abbreviations Used:
COMRADE: The Combined Outcome Measure for Risk Communication and Treatment Decision-Making Effectiveness
DMARD: Disease Modifying Anti-Rheumatic Drugs
SEER: Surveillance Epidemiology and End Results
S-TOFHLA: Short-Test of Functional Health Literacy in Adults

References
