Multimedia Appendix 5 – Sources List

General Principles, Behavior change/Persuasive Design

Author/Year	Title	Describes a Scale/ Checklist
Papers Published in Peer Reviewed Journals		
Abbott (2000) [1]	Web page quality: can we measure it and what do we find? A report of exploratory findings	Yes
Ademiluyi et al. (2003) [2]	Evaluating the reliability and validity of three tools to assess the quality of health information on the Internet	Yes
Adorisio et al. (2012) [3]	Analysis of readability and quality of web pages addressing both common and uncommon topics in pediatric surgery	Yes
Agarwal et al. (2002) [4]	Assessing a firm's Web presence: A heuristic evaluation procedure for the measurement of usability	Yes
Akter et al. (2013) [5]	Development and validation of an instrument to measure user perceived service quality of mHealth	Yes
Aladwani & Palvia (2002) [6]	Developing and validating an instrument for measuring user-perceived web quality	Yes
Alyusuf et al. (2013) [7]	Development and validation of a tool to evaluate the quality of medical education websites in pathology	Yes
Arora et al. (2014) [8]	Privacy and security in mobile health (mHealth) research	Yes
Baranowski et al. (2010) [9]	Design of video games for children's diet and physical activity behavior change.	No
Barnes et al. (2003) [10]	Measuring the Relevance of Evaluation Criteria among Health Information Seekers on the Internet	Yes
Baumel & Muench (2016) [11]	Heuristic Evaluation of Ehealth Interventions: Establishing Standards That Relate to the Therapeutic Process Perspective	No
Belmon et al. (2015) [12]	Dutch Young Adults Ratings of Behavior Change Techniques Applied in Mobile Phone Apps to Promote Physical Activity: A Cross-Sectional Survey	Yes
Chatterjee & Price (2009). [13]	Healthy Living with Persuasive Technologies: Framework, Issues, and Challenges	No

Author/Year	Title	Describes a Scale/ Checklist
Cheh et al. (2003) [14]	An assessment of the quality and usability of smoking cessation information on the Internet	No
Chen et al. (2015) [15]	The Most Popular Smartphone Apps for Weight Loss: A Quality Assessment	Yes
Chiu et al. (2014) [16]	Motivating the motivators: Lessons learned from the design and evaluation of a social persuasion system	
Chumber et al. (2015) [17]	A methodology to analyze the quality of health information on the internet: the example of diabetic neuropathy	Yes
Conesa-Fuentes & Hernandez-Morante (2016) [18]	Prospective analysis of the quality of Spanish health information web sites after 3 years	Yes
Conesa-Fuentes et al. (2013) [19]	Evaluation of the quality of the general health information webpages in Spain: influence of page source	Yes
Crane et al. (2015) [20]	Behavior change techniques in popular alcohol reduction apps: content analysis.	Yes
Cristobal et al. (2007) [21]	Perceived e-service quality (PeSQ): Measurement validation and effects on consumer satisfaction and web site loyalty	Yes
Cugelman et al. (2011) [22]	Online interventions for social marketing health behavior change campaigns: a meta-analysis of psychological architectures and adherence factors	Yes
Cummings et al. (2013) [23]	Issues and considerations for healthcare consumers using mobile applications.	No
Cummins et al. (2003) [24]	Development of review criteria to evaluate health behavior change websites	Yes
Curro et al. (2004) [25]	A quality evaluation methodology of health web-pages for non-professionals	Yes
Daraz et al. (2011) [26]	The quality of websites addressing fibromyalgia: an assessment of quality and readability using standardised tools	No
Daud et al. (2013) [27]	An Initial Model of Persuasive Design in Web based Learning Environment	Yes
Davidson (2008) [28]	Six principles of persuasion you can use to influence others	No
Demir & Gozum (2015) [29]	Evaluation of Quality, Content, and Use of the Web Site Prepared for Family Members Giving Care to Stroke Patients	Yes

Author/Year	Title	Describes a Scale/ Checklist
Devine et al. (2016) [30]	Making Quality Health Websites a National Public Health Priority: Toward Quality Standards	Yes
Doshi et al. (2003) [31]	Evaluation of physical activity web sites for use of behavior change theories	Yes
Dragulanescu (2002) [32]	Website Quality Evaluations: Criteria and Tools	Yes
Dubowicz & Schulz (2015) [33]	Medical information on the internet: a tool for measuring consumer perception of quality aspects	Yes
Finstad (2010) [34]	The usability metric for user experience.	Yes
Fogg (1999) [35]	Persuasive Technologies	No
Georgsson et al. (2016) [36]	A Modified User-Oriented Heuristic Evaluation of a Mobile Health System for Diabetes Self-management Support	Yes
Harland & Bath (2007) [37]	Assessing the quality of websites providing information on multiple sclerosis: evaluating tools and comparing sites	Yes
Hsu et al. (2009) [38]	Development of design criteria and evaluation scale for web-based learning platforms	Yes
Idri et al. (2016) [39]	A Framework for Evaluating the Software Product Quality of Pregnancy Monitoring Mobile Personal Health Records	Yes
Irwin et al. (2011) [40]	English and Spanish oral cancer information on the internet: a pilot surface quality and content evaluation of oral cancer web sites	No
Jeon et al. (2014) [41]	Analysis of the information quality of korean obesity-management smartphone applications	No
Kay-Lambkin et al. (2011) [42]	Assessment of function and clinical utility of alcohol and other drug web sites: An observational, qualitative study.	No
Kelders et al. (2012) [43]	Persuasive system design does matter: A systematic review of adherence to web-based interventions	No
Kim et al. (1999) [44]	Published criteria for evaluating health related web sites: Review.	No
Kinzie (2005) [45]	Instructional design strategies for health behavior change	Yes
Lavie & Tractinsky (2004) [46]	Assessing dimensions of perceived visual aesthetics of web sites.	Yes
Martinez-Perez et al. (2013) [47]	Development and evaluation of tools for measuring the quality of experience (QoE) in mHealth applications	Yes
McMillan et al. (2016) [48]	Quality assessment of a sample of mobile app-based health behavior change interventions using a tool based on the National Institute of Health and Care Excellence behavior change guidance	Yes

Author/Year	Title	Describes a Scale/ Checklist
Morera et al. (2016) [49]	Security Recommendations for mHealth Apps: Elaboration of a Developer's Guide	Yes
Morrissey et al. (2016) [50]	Behavior Change Techniques in Apps for Medication Adherence: A Content Analysis.	Yes
Moshagen & Thielsch (2013) [51]	A short version of the visual aesthetics of websites inventory.	Yes
Oinas-Kukkonen & Harjumaa (2009) [52]	Persuasive Systems Design: Key Issues, Process Model and System Features	No
Olsina & Rossi (2002) [53]	Measuring Web application quality with WebQEM	Yes
Provost et al. (2006) [54]	The initial development of the WebMedQual scale: Domain assessment of the construct of quality of health web sites	Yes
Riley et al. (2011) [55]	Health behavior models in the age of mobile interventions: Are our theories up to the task?	No
Shore et al. (2014) [56]	Review of mobile health technology for military mental health.	Yes
Spagnolli et al. (2016) [57]	Interactive persuasive systems: A perspective on theory and evaluation	No
Stoyanov et al. (2015) [58]	Mobile app rating scale: a new tool for assessing the quality of health mobile apps	Yes
Torrente et al. (2013) [59]	Sirius: A heuristic-based framework for measuring web usability adapted to the type of website	Yes
Webb et al. (2010) [60]	Using the internet to promote health behavior change: a systematic review and meta-analysis of the impact of theoretical basis, use of behavior change techniques, and mode of delivery on efficacy	Yes
Wohl et al. (2014) [61]	Building it better: Applying human-computer interaction and persuasive system design principles to a monetary limit tool improves responsible gambling	No
Zhang et al. (2016) [62]	Analysis of the Information Quality of Bariatric Surgery Smartphone Applications Using the Silberg Scale	Yes

Books and Manuscripts

Cialdini (2001) [63]	Harnessing the Science of Persuasion	No

Author/Year	Title	Describes a Scale/ Checklist
Eyal (2014). [64]	Hooked: How to build habit-forming products.	No
Health Care Information Management Systems Society. (2012) [65]	Selecting a mobile app: Evaluating the usability of medical applications	Yes
Monkman & Kushniruk (2013) [66]	A health literacy and usability heuristic evaluation of a mobile consumer health application	No
Naumann & Rolker (2000) [67]	Assessment methods for information quality criteria.	Yes
Nielsen (1995) [68]	Ten usability Heuristics for User Interface Design	No
Singh et al. (2016) [69]	Developing a Framework for Evaluating the Patient Engagement, Quality, and Safety of Mobile Health Applications	No

Papers published in Conference Proceedings

Choe et al. (2013) [70]	Persuasive Performance Feedback: The Effect of Framing on Self-Efficacy	No
Kientz et al. (2010) [71]	Heuristic Evaluation of Persuasive Health Technologies	No
Kuehnhausen & Frost (2013) [72]	Trusting smartphone apps? To install or not to install, that is the question.	Yes
Matsoukas et al. [73]	Expanding DISCERN to create a tool for assessing the quality of Web-based health information resources	Yes
Moustakis et al. (2004) [74]	Website quality assessment criteria.	Yes
Oinas-Kukkonen & Harjumaa (2008) [75]	A Systematic Framework for Designing and Evaluating	No
Schulze & Krömker (2010) [76]	A framework to measure user experience of interactive online products.	No
Seethamraju (2004) [77]	Measurement of user perceived web quality	Yes
Väätäjä et al. (2009) [78]	Developing practical tools for user experience evaluation: a case from mobile news journalism	Yes

Websites

https://blog.kissmetrics.com	A Simple Framework for Building User Engagement Features	No

Author/Year	Title	Describes a Scale/ Checklist
/user-engagement-features-framework [79]		
https://www.adaa.org/finding-help/mobile-apps [80]	ADAA Rating Scale	Yes
http://www.jmir.org/announcement/view/77 [81]	Apps Peer Review	Yes
https://www.nngroup.com/articles/usability-101-introduction-to-usability/ [82]	Usability 101: Introduction to usability	No
http://psyberguide.org/psyberguide-ratings-explanation/ [83]	Psyber Guide	Yes
http://www.usabilitynet.org/home.htm [84]	Usability Sciences	No

Therapeutic Properties/Alliance

Author/Year	Title	Describes a Scale/ Check List
Papers from Peer Reviewed Journals.		
Accurso et al. (2013) [85]	Psychometric properties of the Therapeutic Alliance Scale for Caregivers and Parents	Yes
Agnew-Davies et al. (1998) [86]	Alliance structure assessed by the Agnew Relationship Measure (ARM)	Yes
Bedregal et al. (2006) [87]	Preliminary Evaluation of the Validity and Reliability of the Spanish Version of the Therapeutic Alliance with Clinician (TAC) Questionnaire	Yes
Blais (2004) [88]	Development of an inpatient treatment alliance scale	Yes
Blais et al. (2010) [89]	Exploring therapeutic alliance in brief inpatient psychotherapy: A preliminary study	Yes
Cahill et al. (2008) [90]	A review and critical appraisal of measures of therapist-patient interactions in mental health settings.	No
Clarke et al. (2016) [91]	Therapeutic Alliance With a Fully Automated Mobile Phone and Web-Based Intervention: Secondary Analysis of a Randomized Controlled Trial.	No
Duncan et al. (2003) [92]	The Session Rating Scale: Preliminary psychometric properties of a "working" alliance measure.	Yes
Elliott & Wexler (1994) [93]	Measuring the impact of sessions in process€xperiential therapy of depression: The Session Impacts Scale.	Yes
Hatcher & Barends (1996) [94]	Patients' view of the alliance in psychotherapy: Exploratory factor analysis of three alliance measures	Yes
Horvath & Greenberg (1989) [95]	Development and validation of the Working Alliance Inventory.	Yes
Luborsky et al. (1996) [96]	The revised Helping Alliance questionnaire (HAq-II): Psychometric properties	Yes
Mander (2015) [97]	The individual therapy process questionnaire: development and validation of a revised measure to evaluate general change mechanisms in psychotherapy	Yes
Misdrahi et al. (2009) [98]	The 4-Point ordinal Alliance Self-report: A self-report questionnaire for assessing therapeutic relationships in routine mental health	Yes

Author/Year	Title	Describes a Scale/ Check List
Manuscript		
VanderWal (2002) [99]	Examination of Therapeutic Alliance and Dependent-Care Agency in the Context of Complementary and Alternative Therapy Utilization by Mothers for Their Children with Asthma.	Yes

References - General Principles and Persuasive Design

<u>Peer Reviewed Papers</u>
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