

Literature Review for Resource Rating Schemes:  
**Search Narrative**

### **Questions**

1. What rating schemes exist for online health information and cancer information?
2. What evidence is there for the quality of existing rating schemes?
3. What evidence is there for the usability of health and cancer websites?

Searches were conducted 14<sup>th</sup>-18<sup>th</sup> February 2005 to identify references to help answer these questions. No search filters were used.

### **Online Resources**

The following online databases were searched:

Medline  
EMBASE  
Cinahl  
Psychinfo  
Cochrane Library  
TRIP Database  
ERIC  
LISA  
Applied Social Sciences Index and Abstracts (ASSIA)  
SIGLE  
Science Citation Index

The following websites were browsed:

International Network of Agencies for Health Technology Assessment (INAHTA)  
NHS Centre for Reviews and Dissemination  
RAND Health  
Institute for Clinical Systems Improvement (ICSI)  
National Institute of Clinical Studies (NICS)  
National Cancer Institute

The following search engines were searched:

Google  
Google Scholar  
Scirus

The following journals were searched:

BMJ  
Health Information and Libraries Journal  
Journal of Medical Internet Research (browsed)  
Journal of the American Medical Informatics Association

### **Search Strategies**

The following search strategy was used in Medline, EMBASE, Cinahl, Psychinfo, Cochrane Library:

1. Internet.DE.
2. (internet or web\$5 or www or online or on-line).ti.
3. 1 or 2
4. (quality or accura\$2 or reliab\$5 or usab\$5 or readab\$5 or accessib\$5).ti.
5. 3 and 4
6. (rating or rated or assess\$4 or evaluat\$4 or validat\$4 or test\$3 or graded or grading or apprais\$3).ti,ab.
7. (benchmark\$3 or instrument\$1 or tool\$1 or schem\$1 or scale\$1 or checklist\$1).ti,ab.
8. 6 or 7
9. 5 and 8
10. (patient\$1 or consumer\$1 or public or professional\$1 or health or medical or cancer).ti,ab.
11. 9 and 10

TRIP Database:

1. Internet
2. Online
3. On-line
4. Web\*
5. WWW
6. or/1-5

Google

"health information" quality rating

"cancer information" quality rating

Google Scholar

1. allintitle: cancer OR health internet OR web OR online rating OR rated OR validated OR graded OR grading
2. allintitle: cancer OR health internet OR web OR online appraisal OR instrument OR scheme OR scale OR checklist OR benchmarking

Scirus

title:internet OR title:web OR title:online OR title:on-line AND (title:rating OR title:rated OR title:validated OR title:graded OR title:grading)

title:web or title:internet or title:online or title:online AND (title:appraisal or title:instrument or title:scheme or title:scale or title:checklist)

LISA/SIGLE

- #23 #18 or #22
- #22 #14 and #21
- #21 (checklist\$ or tool\$ or assess\$ or evaluat\$) in TI
- #20 #14 and #19
- #19 checklist\$ or tool\$ or assess\$ or evaluat\$
- #18 #14 and #17

#17 benchmark\$ or rated or rating or validat\$ or apprais\$ or instrument\$ or graded or grading

#16 #14 and #15

#15 (rating or rated or validat\$ or apprais\$ or instrument\$) in TI

#14 #7 and #13

#13 #8 or #9 or #10 or #11 or #12

#12 (cancer) in TI

#11 (public) in TI

#10 (patient\$) in TI

#9 (medical) in TI

#8 (health) in TI

#7 #1 or #2 or #3 or #4 or #5 or #6

#6 (www) in TI

#5 (web\$) in TI

#4 (on-line) in TI

#3 (online) in TI

#2 (internet) in TI

#1 INTERNET

ERIC/ASSIA

TI=(internet or web\* or online) and TI=(health or medical or cancer) and (rating or rated or benchmark\*)

BMJ

**(internet or online or web or on-l) and (health or cancer or patient or medical)** (any words in title)

**(rating or rated or validated or graded or grading or appraisal or assess)** (all words in title or abstract)

**(internet or online or web) and (health or cancer or patient or medical)** (all words in title)

**(benchmark or instrument or tool or scheme or scale or checklist)** (all words in title or abstract)

Health Information and Libraries Journal

**Article Title:** ( ( internet **or** online **or** web **or** www **or** information ) **and** ( health **or** medical **or** patient **or** cancer ) ) **in Journal:** Health Information and Libraries Journal **and Between:** 01/1990 **and** 01/2005

Journal of the American Medical Informatics Association

**Title:** (internet or online or www or web or information) and (health or cancer or medical or patient)

### **Search Results**

Initial Search Results (no duplicates) = 372 refs

## Additional Search Strategies

The following search strategies were used to ensure that all relevant literature was retrieved. The following strategies use more index terms than before. The search results were not particularly relevant.

### Medline

```

MEZZ      1  (RATING OR RATED OR ASSESS$4 OR EVALUAT$4 OR VALIDAT$4 OR
TE
           ST$4 OR GRADED OR GRADING OR APPRAIS$3) .TI,AB.
RESULT    2476333

MEZZ      2  (BENCHMARK$3 OR INSTRUMENT$1 OR TOOL$1 OR SCHEM$1 OR
SCALE$1
           OR CHECKLIST$1) .TI,AB.
RESULT    380076

MEZZ      3  1 OR 2
RESULT    2667420

MEZZ      4  EDUCATION#.DE.
RESULT    374972

MEZZ      5  3 AND 4
RESULT    74510

MEZZ      6  HEALTH-EDUCATION#.DE.
RESULT    85058

MEZZ      7  3 AND 6
RESULT    18922

MEZZ      8  (QUALITY OR ACCURA$2 OR RELIAB$5 OR USAB$5 OR READAB$5 OR
AC
           CESSIB$5) .TI.
RESULT    94703

MEZZ      9  5 AND 8
RESULT    2449

MEZZ     10  HEALTH-PROMOTION#.DE.
RESULT    23795

MEZZ     11  3 AND 10
RESULT    5663

MEZZ     12  ACCESS-TO-INFORMATION.DE.
RESULT    605

```

|      |        |   |         |
|------|--------|---|---------|
| MEZZ | 13     | 3 AND 12  |         |
|      | RESULT |   | 79      |
| MEZZ | 14     | 8 AND 13  |         |
|      | RESULT |   | 1       |
| MEZZ | 15     | INFORMATION-STORAGE-AND-RETRIEVAL.DE.                     |         |
|      | RESULT |   | 5147    |
| MEZZ | 16     | 3 AND 15  |         |
|      | RESULT |   | 1955    |
| MEZZ | 17     | BENCHMARKING.DE.  |         |
|      | RESULT |   | 3875    |
| MEZZ | 18     | (INTERNET OR ONLINE OR ON-LINE OR WWW OR WEB\$4).TI.      |         |
|      | RESULT |   | 13307   |
| MEZZ | 19     | 17 AND 18   |         |
|      | RESULT |   | 48      |
| MEZZ | 20     | INFORMATION.TI.   |         |
|      | RESULT |   | 35961   |
| MEZZ | 21     | (17 AND 20) NOT 18  |         |
|      | RESULT |   | 69      |
| MEZZ | 22     | 8 AND 21  |         |
|      | RESULT |   | 10      |
| MEZZ | 23     | INFORMATION-DISSEMINATION#.DE.                            |         |
|      | RESULT |   | 2285    |
| MEZZ | 24     | 3 AND 23  |         |
|      | RESULT |   | 408     |
| MEZZ | 25     | 8 AND 24  |         |
|      | RESULT |   | 31      |
| MEZZ | 26     | 3 AND 8 AND 20  |         |
|      | RESULT |   | 496     |
| MEZZ | 27     | (HEALTH OR MEDICAL OR PATIENT\$1 OR CONSUMER\$1 OR CANCER |         |
| OR P |        | ROFESSIONAL).TI.  |         |
|      | RESULT |   | 1382314 |
| MEZZ | 28     | 26 AND 27   |         |
|      | RESULT |   | 203     |
| MEZZ | 29     | 3 AND 8 AND 18  |         |
|      | RESULT |   | 239     |
| MEZZ | 30     | 28 NOT 29   |         |
|      | RESULT |   | 149     |

Embase Additional Strategy

EMZZ 1 INTERNET.W..DE.  
RESULT 15296

EMZZ 2 (INTERNET OR WEB\$4 OR WWW OR ONLINE OR ON-LINE).TI.  
RESULT 7977

EMZZ 3 (QUALITY OR RELIAB\$5 OR ACCURA\$6 OR USAB\$5 OR READAB\$5 OR  
AC  
CESSIB\$5).TI.  
RESULT 72768

EMZZ 4 (1 OR 2) AND 3  
RESULT 415

EMZZ 5 (RATING OR RATED OR ASSESS\$4 OR EVALUAT\$4 OR VALIDAT\$4 OR  
TE  
ST\$3 OR GRADED OR GRADING OR APPRAIS\$2).TI,AB.  
RESULT 2204939

EMZZ 6 (INSTRUMENT\$1 OR TOOL\$1 OR SCHEM\$1 OR SCALE\$1 OR  
CHECKLIST\$3  
) .TI,AB.  
RESULT 347060

EMZZ 7 (5 OR 6) AND 4  
RESULT 237

EMZZ 8 (PATIENT\$1 OR CONSUMER\$1 OR PUBLIC OR PROFESSIONAL\$1 OR  
HEAL  
TH OR MEDICAL OR CANCER).TI,AB.  
RESULT 2851286

EMZZ 9 7 AND 8  
RESULT 159

EMZZ 10 7 NOT 9  
RESULT 78

EMZZ 11 PATIENT-INFORMATION.DE.  
RESULT 9078

EMZZ 12 (5 OR 6) AND 11  
RESULT 2767

EMZZ 13 3 AND 12  
RESULT 184

EMZZ 14 13 NOT 9  
RESULT 173

EMZZ 15 PATIENT-INFORMATION.MJ.  
RESULT 2453

EMZZ 16 (5 OR 6) AND 15  
RESULT 616

EMZZ 17 1 AND 16  
RESULT 21

EMZZ 18 INFORMATION-DISSEMINATION.DE.  
RESULT 410

|      |        |                           |        |
|------|--------|---------------------------|--------|
| EMZZ | 19     | (5 OR 6) AND 18           |        |
|      | RESULT |                           | 115    |
| EMZZ | 20     | 8 AND 19                  |        |
|      | RESULT |                           | 88     |
| EMZZ | 21     | 3 AND 20                  |        |
|      | RESULT |                           | 3      |
| EMZZ | 22     | INFORMATION-RETRIEVAL.DE. |        |
|      | RESULT |                           | 3796   |
| EMZZ | 23     | 7 AND 22                  |        |
|      | RESULT |                           | 15     |
| EMZZ | 24     | EDUCATION#.DE.            |        |
|      | RESULT |                           | 203527 |
| EMZZ | 25     | (5 OR 6) AND 24           |        |
|      | RESULT |                           | 57975  |
| EMZZ | 26     | 8 AND 25                  |        |
|      | RESULT |                           | 38588  |
| EMZZ | 27     | 3 AND 26                  |        |
|      | RESULT |                           | 1410   |
| EMZZ | 28     | PATIENT-EDUCATION.DE.     |        |
|      | RESULT |                           | 18032  |
| EMZZ | 29     | HEALTH-EDUCATION.DE.      |        |
|      | RESULT |                           | 21943  |
| EMZZ | 30     | HEALTH-EDUCATION#.DE.     |        |
|      | RESULT |                           | 52176  |
| EMZZ | 31     | (5 OR 6) AND 30           |        |
|      | RESULT |                           | 16202  |
| EMZZ | 32     | 8 AND 31                  |        |
|      | RESULT |                           | 13330  |
| EMZZ | 33     | 3 AND 32                  |        |
|      | RESULT |                           | 381    |
| EMZZ | 34     | HEALTH-EDUCATION#.MJ.     |        |
|      | RESULT |                           | 17786  |
| EMZZ | 35     | (5 OR 6) AND 34           |        |
|      | RESULT |                           | 5559   |
| EMZZ | 36     | 8 AND 35                  |        |
|      | RESULT |                           | 4641   |
| EMZZ | 37     | 3 AND 35                  |        |
|      | RESULT |                           | 121    |
| EMZZ | 38     | 37 NOT 9                  |        |
|      | RESULT |                           | 113    |