Appendix 3: Citation Analysis

As a means of evaluating the comparability and comprehensiveness of the included reviews, as well as the extent to which reviews overlapped in terms of included primary studies, we carried out a citation analysis. More specifically, we generated citation matrices that cross-linked individual systematic reviews identified and included in this overview, with previously published home telemonitoring RCTs (Table 1) and observational studies (Table 2) included in the systematic reviews of our sample.

In order to account for the lag time between systematic review search completion and publication of the review in electronic or print format, we incorporated into the citation matrices the range of search dates reported in each review and their publication date. As shown in Tables 1 and 2, the lag time between search completion and publication is depicted in grey. In reviews that did not report the exact month or day of the search completion for a given year, we used as the end of the search the publication date of the last article that was included in the review.
### Table 1: Citation matrix of previously published randomized controlled trials included in the systematic reviews

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<td>Jan 2002 - May 2006**</td>
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<td>Paré et al</td>
<td>May 2007</td>
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<td>Giamouzis et al</td>
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<td>Pandor et al</td>
<td>August 2013</td>
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<td>Nov 2008 - Jan 2012****</td>
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- **Number of unique RCTs after removal of double-counted studies**
- **Update of the systematic review by Louis et al (2003)**
- **Update of the systematic review by Clark et al (2007)**
- **Update of the systematic review by Inglis et al (2010)**

- Primary study cited and included in the systematic review
- Study published after the reported end date of the search for relevant articles
- Study published after publication date of the systematic review
Table 2: Citation matrix of previously published observational studies included in the systematic reviews

| Author - Publication date | Number of studies | Reported search range | \[1\] | \[2\] | \[3\] | \[4\] | \[5\] | \[6\] | \[7\] | \[8\] | \[9\] | \[10\] | \[11\] | \[12\] | \[13\] | \[14\] | \[15\] | \[16\] | \[17\] | \[18\] | \[19\] | \[20\] | \[21\] | \[22\] | \[23\] | \[24\] | \[25\] | \[26\] | \[27\] | \[28\] | \[29\] | \[30\] | \[31\] | \[32\] | \[33\] | \[34\] | \[35\] |
|--------------------------|-------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Martinez - July 2006     | 29                | 1966 - Apr 2006      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Seto - Sep 2008          | 5                 | all dates - Nov 2007 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Paré - Mar 2009          | 30                | all dates - Aug 2007 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Paré - Apr 2010          | 5                 | 1966 - 2008          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Kraai - August 2011      | 10                | up to Nov 2010       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
References (Randomized Controlled Trials)


References (Observational Studies)


33. Macropoulos LR, Knoop JD. CHF hospital admissions reduced by 57% (0.234 PPPY) in medicare population and 48% (0.299 PPPY) in commercial population using advanced home monitoring program in large patient population. *J Card Fail* 2002;9:S103.


