

| | Author, year | Reason for exclusion |
|-----|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Anon 2009 ¹⁶⁸ | Foreign language (review article) |
| 2. | Abraham <i>et al.</i> 2011 ¹⁰³ | Patients discharged within the previous 12 months for HF but TM intervention performed <28 days after being implanted with a cardiovascular monitoring device (CHAMPION) |
| 3. | Adamson <i>et al.</i> 2011 ¹⁶⁹ | Patients discharged within the previous 12 months for HF but TM intervention performed <28 days after being implanted with a cardiovascular monitoring device (CHAMPION) |
| 4. | Adamson <i>et al.</i> 2011 ¹⁰⁴ | Patients discharged within the previous 12 months for HF but TM intervention performed <28 days after being implanted with a cardiovascular monitoring device (REDUCEhf) |
| 5. | Adlbrecht <i>et al.</i> 2009 ¹⁷⁰ | Not TM or STS |
| 6. | Al-Khatib <i>et al.</i> 2010 ¹⁷¹ | Not RM for HF – RM of device vs quarterly device interrogation |
| 7. | Anand <i>et al.</i> 2010 ¹⁷² | Not TM or STS |
| 8. | Anand <i>et al.</i> 2011 ¹⁷³ | Not TM or STS |
| 9. | Antonicelli <i>et al.</i> 2010 ¹⁷⁴ | Not available |
| 10. | Arya <i>et al.</i> 2008 ¹⁷⁵ | Ongoing study (IN-TIME) |
| 11. | Bardy and McCullough 2008 ¹⁷⁶ | Editorial/comment |
| 12. | Bardy <i>et al.</i> 2008 ¹⁷⁷ | Not RM or STS |
| 13. | Bento <i>et al.</i> 2009 ¹⁷⁸ | Not RM or STS |
| 14. | Benvenuto <i>et al.</i> 2008 ¹⁷⁹ | Not RCT/cohort with concurrent control |
| 15. | Benvenuto <i>et al.</i> 2009 ¹⁸⁰ | Not RCT/cohort with concurrent control |
| 16. | Berkley <i>et al.</i> 2010 ¹⁸¹ | Not RCT/cohort with concurrent control |
| 17. | Biddiss <i>et al.</i> 2009 ¹⁸² | Not RCT/cohort with concurrent control |
| 18. | Bocchi <i>et al.</i> 2008 ¹⁸³ | Intervention included education and face-to-face (individual/group) support |
| 19. | Boehmer <i>et al.</i> 2009 ¹⁸⁴ | Not RCT/cohort with concurrent control |
| 20. | Boriani <i>et al.</i> 2009 ¹⁸⁵ | Editorial/comment |
| 21. | Boveda <i>et al.</i> 2009 ¹⁸⁶ | Not RM or STS |
| 22. | Bover <i>et al.</i> 2009 ¹⁸⁷ | Control group did not have usual care |
| 23. | Bowles and Horowitz 2008 ¹⁸⁸ | Intervention included home visits |
| 24. | Bowles <i>et al.</i> 2009 ¹⁸⁹ | Intervention included home visits |
| 25. | Boxer <i>et al.</i> 2010 ¹⁹⁰ | Insufficient information for inclusion (e.g. population, intervention, comparator, outcomes) |
| 26. | Boyne <i>et al.</i> 2009 ¹⁹¹ | Discharge/intervention received > 28 days (TEHAF) |
| 27. | Boyne <i>et al.</i> 2011 ¹³⁵ | Discharge/intervention received >28 days (TEHAF) |
| 28. | Boyne <i>et al.</i> 2011 ¹⁹² | Discharge/intervention received >28 days (TEHAF) |

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| 29. | Boyne <i>et al.</i> 2011 ¹⁹³ | Discharge/intervention received >28 days (TEHAF) |
| 30. | Boyne <i>et al.</i> 2011 ¹⁰⁰ | Discharge/intervention received >28 days (TEHAF) |
| 31. | Brandon <i>et al.</i> 2009 ¹⁹⁴ | Pre-test and post-test study design |
| 32. | Brandon <i>et al.</i> 2009 ¹⁹⁵ | Pre-test and post-test study design |
| 33. | Braunschweig <i>et al.</i> 2008 ¹⁹⁶ | Not RM for HF – paper states that there was no transfer of physiological data via technology (DOT-HF) |
| 34. | Broesch and Heywood 2009 ¹⁹⁷ | Not RCT/cohort with concurrent control |
| 35. | Brotans <i>et al.</i> 2009 ¹⁹⁸ | Foreign language |
| 36. | Burri <i>et al.</i> 2010 ¹⁹⁹ | Ongoing study (MORE-CARE) |
| 37. | Cardozo <i>et al.</i> 2010 ²⁰⁰ | Intervention included home visits |
| 38. | Carson and Bella 2009 ²⁰¹ | Not RCT/cohort with concurrent control |
| 39. | Catanzariti <i>et al.</i> 2009 ²⁰² | Not TM or STS |
| 40. | Chen <i>et al.</i> 2010 ²⁰³ | Not RCT/cohort with concurrent control |
| 41. | Clark <i>et al.</i> 2007 ⁵⁹ | Systematic review and meta-analysis |
| 42. | Clark <i>et al.</i> 2010 ²⁰⁴ | Systematic review and meta-analysis (abstract) |
| 43. | Cleland <i>et al.</i> 2011 ²⁰⁵ | Discharge/intervention received >28 days (TEHAF) |
| 44. | Conraads <i>et al.</i> 2011 ¹¹⁵ | Discharge/intervention received >28 days (cohort study) (SENSE-HF) |
| 45. | Copeland <i>et al.</i> 2010 ²⁰⁶ | Intervention included education and behaviour change |
| 46. | Cowie 2010 ²⁰⁷ | Editorial/comment |
| 47. | Cowie <i>et al.</i> 2009 ²⁰⁸ | Discharge/intervention received >28 days (cohort study) (SENSE-HF) |
| 48. | Crawford and Volkman 2010 ²⁰⁹ | Not RCT/cohort with concurrent control |
| 49. | Crossley <i>et al.</i> 2008 ²¹⁰ | Not RM for HF – RM of arrhythmias (CONNECT) |
| 50. | Crossley <i>et al.</i> 2009 ²¹¹ | Population not specific to HF (no useable data) |
| 51. | Crossley <i>et al.</i> 2011 ²¹² | Not RM for HF – RM of arrhythmias (CONNECT) |
| 52. | Dansky <i>et al.</i> 2008 ²¹³ | Intervention included home visits |
| 53. | Dansky <i>et al.</i> 2008 ²¹⁴ | Not available |
| 54. | Dansky <i>et al.</i> 2009 ²¹⁵ | Intervention initiated after formal home care and not hospital discharge |
| 55. | Dar <i>et al.</i> 2008 ²¹⁶ | Abstract (full text included) (Home-HF) |
| 56. | De Vries <i>et al.</i> 2010 ²¹⁷ | Ongoing study (IN TOUCH) |
| 57. | Delaney and Apostolidis 2010 ²¹⁸ | Pre-test and post-test study design |
| 58. | Desai <i>et al.</i> 2010 ²¹⁹ | Editorial/comment |
| 59. | Domingo <i>et al.</i> 2011 ²²⁰ | Intervention included education (CARME) |
| 60. | Domingo <i>et al.</i> 2011 ²²¹ | Intervention included education (CARME) |
| 61. | Duffy <i>et al.</i> 2010 ²²² | Intervention included home visits |
| 62. | Ewald <i>et al.</i> 2009 ²²³ | Not RCT/cohort with concurrent control |
| 63. | Ewald <i>et al.</i> 2009 ²²⁴ | Not RCT/cohort with concurrent control |
| 64. | Fan <i>et al.</i> 2010 ²²⁵ | Not available |
| 65. | Ferrante <i>et al.</i> 2010 ²²⁶ | Discharge/intervention received >28 days (extension study of the DIAL trial) |

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| 66. | Finkelstein and Dennison 2010 ²²⁷ | Not RCT/cohort with concurrent control |
| 67. | Finkelstein <i>et al.</i> 2010 ²²⁸ | Not RCT/cohort with concurrent control |
| 68. | Fursse <i>et al.</i> 2008 ²²⁹ | Not RCT/cohort with concurrent control |
| 69. | Germany <i>et al.</i> 2009 ²³⁰ | Not RCT/cohort with concurrent control |
| 70. | Goernig <i>et al.</i> 2009 ²³¹ | Foreign language |
| 71. | Goernig <i>et al.</i> 2009 ²³² | Insufficient information on population, intervention, comparator or outcomes for inclusion |
| 72. | Gonzalez <i>et al.</i> 2010 ²³³ | Intervention included education |
| 73. | Haddour 2008 ²³⁴ | Foreign language (intervention included clinic and home visits) |
| 74. | Hannah <i>et al.</i> 2010 ²³⁵ | Not RCT/cohort with concurrent control |
| 75. | HAYES Inc. 2008 ²³⁶ | Not available |
| 76. | Holden <i>et al.</i> 2011 ²³⁷ | Insufficient information on population, intervention, comparator or outcomes for inclusion |
| 77. | Houston-Feenstra <i>et al.</i> 2008 ²³⁸ | Not TM or STS |
| 78. | Howlett <i>et al.</i> 2011 ²³⁹ | Insufficient information on population, intervention, comparator or outcomes for inclusion |
| 79. | Inglis <i>et al.</i> 2010 ⁴⁸ | Systematic review and meta-analysis |
| 80. | Jacobs 2011 ²⁴⁰ | Not TM or STS |
| 81. | Kashem <i>et al.</i> 2008 ¹⁵² | Web-based intervention |
| 82. | Katra <i>et al.</i> 2010 ²⁴¹ | Not RCT/cohort with concurrent control |
| 83. | Klersy <i>et al.</i> 2009 ⁵⁸ | Systematic review and meta-analysis |
| 84. | Knotter <i>et al.</i> 2010 ²⁴² | Not RCT/cohort with concurrent control |
| 85. | Koehler <i>et al.</i> 2010 ²⁴³ | Discharge > 28 days (TIM-HF) |
| 86. | Koehler <i>et al.</i> 2011 ⁵² | Discharge > 28 days (TIM-HF) |
| 87. | Konstam <i>et al.</i> 2011 ²⁴⁴ | Intervention included home visits |
| 88. | Kraai <i>et al.</i> 2010 ²⁴⁵ | Ongoing study (IN TOUCH) |
| 89. | Kriegeskorte 2008 ²⁴⁶ | Foreign language (editorial/comment) |
| 90. | Kulshreshtha <i>et al.</i> 2008 ²⁴⁷ | Abstract (full text included) |
| 91. | Kurtz <i>et al.</i> 2011 ²⁴⁸ | Not RCT/cohort with concurrent control |
| 92. | LaFramboise <i>et al.</i> 2009 ²⁴⁹ | Not RCT/cohort with concurrent control |
| 93. | Mainardi <i>et al.</i> 2010 ²⁵⁰ | Foreign language |
| 94. | Margolis <i>et al.</i> 2010 ²⁵¹ | Population not specific to HF (no useable data) |
| 95. | Margolis <i>et al.</i> 2010 ²⁵² | Population not specific to HF (no useable data) |
| 96. | Maric <i>et al.</i> 2010 ²⁵³ | Web-based intervention |
| 97. | Masella <i>et al.</i> 2008 ²⁵⁴ | Not RCT/cohort with concurrent control |
| 98. | McEntee <i>et al.</i> 2010 ²⁵⁵ | Not RCT/cohort with concurrent control |
| 99. | Melillo <i>et al.</i> 2009 ²⁵⁶ | Review article |
| 100. | Merchant <i>et al.</i> 2010 ²⁵⁷ | Review article |
| 101. | Meriggi <i>et al.</i> 2009 ²⁵⁸ | Not RCT/cohort with concurrent control |

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| 102. | Metten <i>et al.</i> 2011 ²⁵⁹ | Discharge/intervention received >28 days (cohort study) |
| 103. | Morguet <i>et al.</i> 2008 ²⁶⁰ | Population not specific to HF (no useable data) |
| 104. | Mullens <i>et al.</i> 2008 ²⁶¹ | Not RCT/cohort with concurrent control |
| 105. | Naccarella <i>et al.</i> 2008 ²⁶² | Editorial/comment |
| 106. | Nathani <i>et al.</i> 2010 ²⁶³ | Insufficient information on population, intervention, comparator or outcomes for inclusion |
| 107. | Nikus <i>et al.</i> 2009 ²⁶⁴ | Not RCT/cohort with concurrent control |
| 108. | Oliveira <i>et al.</i> 2009 ²⁶⁵ | Not RCT/cohort with concurrent control |
| 109. | Paget <i>et al.</i> 2010 ²⁶⁶ | Not RCT/cohort with concurrent control |
| 110. | Perl <i>et al.</i> 2011 ²⁶⁷ | Insufficient information on population, intervention, comparator or outcomes for inclusion |
| 111. | Persson <i>et al.</i> 2011 ²⁶⁸ | Insufficient information on population, intervention, comparator or outcomes for inclusion |
| 112. | Ramaekers <i>et al.</i> 2009 ²⁶⁹ | Discharge/intervention received >28 days (TEHAF) |
| 113. | Raval <i>et al.</i> 2011 ²⁷⁰ | Patients discharged within the previous 12 months for HF but TM intervention performed <28 days after being implanted with a cardiovascular monitoring device (CHAMPION) |
| 114. | Ricci <i>et al.</i> 2008 ²⁷¹ | Not RCT/cohort with concurrent control |
| 115. | Riley 2011 ²⁷² | Review article |
| 116. | Riley and Cowie 2009 ¹⁵ | Review article |
| 117. | Riley <i>et al.</i> 2008 ²⁷³ | Abstract (full text included) (Home-HF) |
| 118. | Riley <i>et al.</i> 2009 ²⁷⁴ | Abstract (full text included) (Home-HF) |
| 119. | Rosa 2008 ²⁷⁵ | Review article |
| 120. | Rosati 2009 ²⁷⁶ | Insufficient information on population, intervention, comparator or outcomes for inclusion |
| 121. | Santamore and Homko 2008 ²⁷⁷ | Review article |
| 122. | Scalvini <i>et al.</i> 2010 ²⁷⁸ | Not RCT/cohort with concurrent control |
| 123. | Schwarz <i>et al.</i> 2008 ¹⁵⁶ | Intervention involved caregivers as well as the patient with HF |
| 124. | Schweinzer 2009 ²⁷⁹ | Not available |
| 125. | Seibert <i>et al.</i> 2008 ²⁸⁰ | Not RCT/cohort with concurrent control |
| 126. | Seto <i>et al.</i> 2011 ²⁸¹ | Insufficient information on population, intervention, comparator or outcomes for inclusion |
| 127. | Smith <i>et al.</i> 2011 ²⁸² | Insufficient information on population, intervention, comparator or outcomes for inclusion |
| 128. | Sonntag <i>et al.</i> 2010 ²⁸³ | Not RCT/cohort with concurrent control |
| 129. | Sprenger and Oeff 2009 ²⁸⁴ | Not RCT/cohort with concurrent control |
| 130. | Stevenson 2010 ²⁸⁵ | Editorial/comment |
| 131. | Stewart <i>et al.</i> 2010 ²⁸⁶ | Not TM or STS |
| 132. | Stork <i>et al.</i> 2009 ²⁸⁷ | Foreign language (review article) |
| 133. | Strobeck <i>et al.</i> 2008 ²⁸⁸ | Review article |
| 134. | Takahashi <i>et al.</i> 2010 ²⁸⁹ | Population not specific to HF (no useable data) |

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|------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 135. | Talukder and Pray 2009 ²⁹⁰ | Review article |
| 136. | Tang <i>et al.</i> 2010 ²⁹¹ | Ongoing study (OptiVol® Care Pathway study) |
| 137. | Tang <i>et al.</i> 2010 ²⁹² | Not TM or STS |
| 138. | Taylor 2008 ²⁹³ | Not RCT/cohort with concurrent control |
| 139. | Thompson 2008 ²⁹⁴ | Editorial/comment |
| 140. | Tompkins and Orwat 2010 ²⁹⁵ | Intervention included education and intensive care management |
| 141. | Trembath <i>et al.</i> 2009 ²⁹⁶ | Not RCT/cohort with concurrent control |
| 142. | van Veldhuisen <i>et al.</i> 2011 ²⁹⁷ | Not RM for HF – paper states that there was no transfer of physiological data via technology (DOT-HF trial) |
| 143. | Vanderheyden <i>et al.</i> 2010 ²⁹⁸ | Not RCT/cohort with concurrent control |
| 144. | Varma <i>et al.</i> 2011 ²⁹⁹ | Not RM for HF – RM of arrhythmias (TRUST) |
| 145. | Varma <i>et al.</i> 2010 ³⁰⁰ | Not RM for HF – RM of arrhythmias (TRUST) |
| 146. | Vercauteren <i>et al.</i> 2009 ³⁰¹ | Not RCT/cohort with concurrent control |
| 147. | Wade <i>et al.</i> 2011 ¹⁰¹ | Discharge/intervention received >28 days |
| 148. | Weintraub <i>et al.</i> 2010 ³⁰² | Intervention included home visits |
| 149. | Wexler 2010 ³⁰³ | Editorial/comment |
| 150. | Whellan <i>et al.</i> 2010 ³⁰⁴ | Not RCT/cohort with concurrent control |
| 151. | Wootton <i>et al.</i> 2009 ³⁰⁵ | Intervention included education and face-to-face support |
| 152. | Zile <i>et al.</i> 2008 ³⁰⁶ | Patients discharged within the previous 12 months for HF but TM intervention performed <28 days after being implanted with a cardiovascular monitoring device (subgroup analysis of the COMPASS-HF trial) |
| 153. | Zucca <i>et al.</i> 2010 ³⁰⁷ | Insufficient information on population, intervention, comparator or outcomes for inclusion |

CARME, CAAtalan Remote Management Evaluation; CHAMPION, CardioMEMS Heart Sensor Allows Monitoring of Pressure to Improve Outcomes in NYHA Class III Patients; COMPASS-HF, Chronicle Offers Management to Patients with Advanced Signs and Symptoms of Heart Failure; CONNECT, Clinical Evaluation of Remote Notification to Reduce Time to Clinical Decision; DIAL, Randomized Trial of Telephone Intervention in Chronic Heart Failure; DOT-HF, Diagnostic Outcome Trial in Heart Failure; IN-TIME, the INfluence of home monitoring on The clinical Management of heart failure patients with impaired left ventricular function; IN TOUCH, INnovative ICT guided disease management and Telemonitoring in OUTpatient clinics for Chronic Heart failure patients; MORE-CARE, MONitoring Resynchronization dEVICES and CARDiac patiEnts; REDUCEhf, Reducing Decompensation Events Utilizing Intracardiac Pressures in Patients With Chronic Heart Failure; SENSE-HF, Sensitivity of the InSync Sentry OptiVol Feature for the Prediction of HF; TEHAF, Tailored Telemonitoring in Patients with Heart Failure; TRUST, Lumos-T Safely Reduces Routine Office Device Follow-up.