

Supplementary Materials: Improving rheumatic disease management through tighter monitoring of patients and the use of innovative electronic tools

APPENDIX

Appendix A: Summary of literature search results

Author(s)	Article/abstract title and citation
Results from inflammatory disease areas	
Langer A, Langer H.	Computer-aided self-monitoring of disease activity in chronic arthritis: a new tool for disease management? Presented at EULAR 2004 [abstract HP0016].
Mueller R, Walker U, Kyburz D, et al.	Patient's self-monitoring via smartphone: the Compass study correlation between patient self-assessment of rheumatoid arthritis disease activity via smartphone technology and physicians' validated scores. <i>Arthritis Rheum</i> 2014;66(Suppl 10):S1298 [abstract 2971].
Richter JG, Becker A, Koch T, et al.	Self-assessments of patients via Tablet PC in routine patient care: comparison with standardised paper questionnaires. <i>Ann Rheum Dis</i> 2008;67:1739-41.
Sargious A, Lee SJ.	Remote collection of questionnaires. <i>Clin Exp Rheumatol</i> 2014;32(5 Suppl 85):S168-72.
Sikorska-Siudek K, Przygodzka M, Bojanowski S, Radomski R.	Mobile application for patients with rheumatoid arthritis (RA) as a supporting tool for disease activity monitoring: its usability and interoperability. <i>Ann Rheum Dis</i> 2015;74(Suppl 2):986 [abstract AB0280].
Results from disease areas other than inflammatory disease	
Aikens JE, Rosland AM, Piette JD.	Improvements in illness self-management and psychological distress associated with telemonitoring support for adults with diabetes. <i>Prim Care Diabetes</i> 2015;9:127-34.
De Ruvo E, Gargaro A, Sciarra L, et al.	Early detection of adverse events with daily remote monitoring versus quarterly standard follow-up program in patients with CRT-D pacing. <i>Clin Electrophysiol</i> 2011;34:208-16.
Mlekusch W.	[Perspectives of mobile communication in the management of diabetics]. <i>Wien Med Wochenschr</i> 2011;161:359-60.
Parekh SG, Nazarian DG, Lim CK.	Adoption of information technology by resident physicians. <i>Clin Orthop Relat Res</i> 2004;(421):107-11.

Ralston JD, Cook AJ, Anderson ML, et al.	Home blood pressure monitoring, secure electronic messaging and medication intensification for improving hypertension control. <i>Appl Clin Inform</i> 2014;5:232-48.
Wicks P, Stamford J, Grootenhuis MA, Haverman L, Ahmed S.	Innovations in e-health. <i>Qual Life Res</i> 2014;23:195-203.
Manually added results	
Alemao E, Joo S, Kawabata H, et al.	Effects of achieving target measures in RA on functional status, quality of life and resource utilization: analysis of clinical practice data. <i>Arthritis Care Res</i> Published online first: 3 August 2015. doi:10.1002/acr.22678.
Haugeberg G, et al.	Ten years of change in clinical disease status and treatment in rheumatoid arthritis: results based on standardized monitoring of patients in an ordinary outpatient clinic in southern Norway. <i>Arthritis Research & Therapy</i> 2015;17:219.
Hendrikx J, Fransen J, Toniolo A, van Riel P.	Moving towards personalized healthcare: a patient reported outcome based algorithm can aid rheumatologists and patients in monitoring rheumatoid arthritis in daily clinical practice. Abstract Number: 2663. Presented at ACR 2013.
Michelsen B, Fiane R, Diamantopoulos AP, et al.	A comparison of disease burden in rheumatoid arthritis, psoriatic arthritis and axial spondyloarthritis. <i>PLoS One</i> 2015;10:e0123582.
Rødevand E, Haavardsholm E, Bader L, et al.	The Norwegian BIORHEUMA project – achieving patient benchmarking and patient register in one work flow using the GoTreatIt computer software system. <i>Ann Rheum Dis</i> 2012;71(Suppl 3):455 [abstract FRI0419].
Sokka T, Haugeberg G, Asikainen J, et al.	Similar clinical outcomes in rheumatoid arthritis with more versus less expensive treatment strategies. Observational data from two rheumatology clinics. <i>Clin Exp Rheumatol</i> 2013;31(3):409-14.