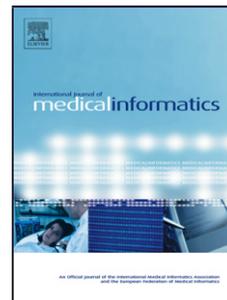


Accepted Manuscript

Title: Telemedicine – a bibliometric and content analysis of 17,932 publication records

Author: Nigel R. Armfield Sisira Edirippulige Liam J. Caffery Natalie Bradford Joanne W. Grey Anthony C. Smith



PII: S1386-5056(14)00122-1
DOI: <http://dx.doi.org/doi:10.1016/j.ijmedinf.2014.07.001>
Reference: IJB 3106

To appear in: *International Journal of Medical Informatics*

Received date: 31-8-2013
Revised date: 30-6-2014
Accepted date: 2-7-2014

Please cite this article as: N.R. Armfield, S. Edirippulige, L.J. Caffery, N. Bradford, J.W. Grey, A.C. Smith, Telemedicine ndash a bibliometric and content analysis of 17,932 publication records, *International Journal of Medical Informatics* (2014), <http://dx.doi.org/10.1016/j.ijmedinf.2014.07.001>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Figure 1: Schematic diagram of the proposed system architecture.

The system architecture is designed to handle the processing of input data through a series of interconnected modules.

The input data is first processed by the data acquisition module, which then feeds into the data preprocessing stage.

The preprocessing stage involves normalization and feature extraction, which are essential for the subsequent analysis.

The extracted features are then analyzed using the proposed algorithm to identify patterns and anomalies.

The final output is generated based on the analysis results.

The system is implemented using a combination of hardware and software components.

The hardware components include a high-performance processor and a large memory capacity.

The software components consist of a custom-developed application and a database system.

The system is designed to be scalable and adaptable to various data sources and environments.

The performance of the system is evaluated using a set of standardized metrics.

The results of the evaluation demonstrate the system's effectiveness in handling complex data sets.

The system is currently being tested in a real-world environment to assess its practicality.

The authors would like to thank the funding agency for their support.

This work was supported by the National Natural Science Foundation of China under Grant No. 81873088.

The authors are grateful to the anonymous reviewers for their constructive comments.

The code for this system is available at <https://github.com/author/repo>.

Correspondence: author@example.com

The authors have no conflicts of interest to declare.

The system is designed to be user-friendly and easy to operate.

The system is currently under development.

The system is designed to be secure and reliable.

The system is designed to be flexible and extensible.

2020年12月25日 星期五 14:25:12

Figure 1: Schematic diagram of the proposed system architecture.

Figure 2: Block diagram of the proposed system architecture.

Figure 3: Block diagram of the proposed system architecture.

Figure 4: Block diagram of the proposed system architecture.

Figure 5: Block diagram of the proposed system architecture.

Figure 6: Block diagram of the proposed system architecture.

Figure 7: Block diagram of the proposed system architecture.

Figure 8: Block diagram of the proposed system architecture.

Figure 9: Block diagram of the proposed system architecture.

Figure 10: Block diagram of the proposed system architecture.



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
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..

Figure 1. Schematic representation of the experimental design. The study was conducted in a 2x2x2 factorial design (2 genotypes: WT and mutant, 2 conditions: control and treatment, 2 time points: baseline and post-treatment). The results were analyzed using a three-way ANOVA. The main effects of genotype, condition, and time point, as well as the interactions between these factors, were assessed. The data were presented as mean ± SEM. Statistical significance was determined using appropriate statistical tests.

[Symbol]

[Symbol]

[Symbol]

[Symbol]

[Symbol]

[Symbol]

[Symbol]

[Symbol]



Table 2. *Table 2*

<p>Table 2. <i>Table 2</i></p>
<ul style="list-style-type: none"> Table 2. <i>Table 2</i>
<ul style="list-style-type: none"> Table 2. <i>Table 2</i>
<p>Table 2. <i>Table 2</i></p>
<ul style="list-style-type: none"> Table 2. <i>Table 2</i>
<ul style="list-style-type: none"> Table 2. <i>Table 2</i>
<ul style="list-style-type: none"> Table 2. <i>Table 2</i>
<ul style="list-style-type: none"> Table 2. <i>Table 2</i>

Table 1. List of the 2019-2020 academic year research projects funded by the Ministry of National Education (T.C. Millî Eğitim Bakanlığı) in Turkey.

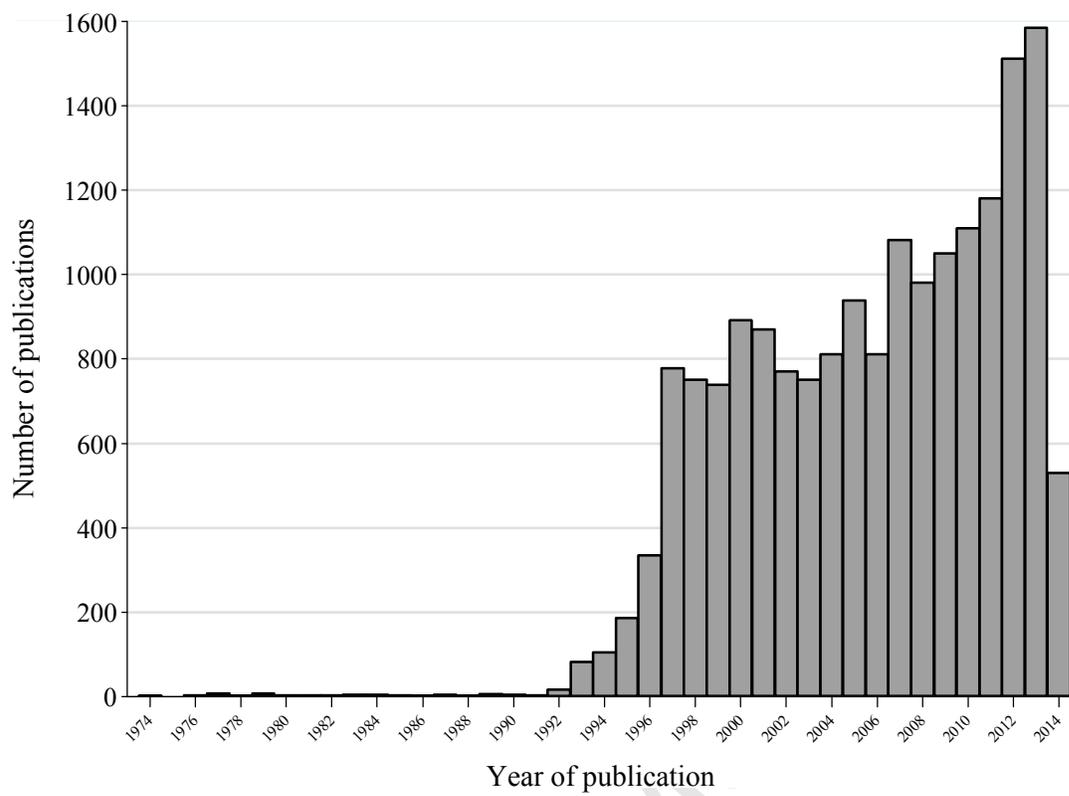
Project No	Project Title	Project Status
1	Development of a teaching material for the 5th grade mathematics course.	Completed
2	Development of a teaching material for the 6th grade science course.	Completed
3	Development of a teaching material for the 7th grade history course.	Completed
4	Development of a teaching material for the 8th grade geography course.	Completed
5	Development of a teaching material for the 9th grade biology course.	Completed
6	Development of a teaching material for the 10th grade chemistry course.	Completed
7	Development of a teaching material for the 11th grade physics course.	Completed
8	Development of a teaching material for the 12th grade mathematics course.	Completed
9	Development of a teaching material for the 5th grade Turkish Language course.	Completed
10	Development of a teaching material for the 6th grade English Language course.	Completed
11	Development of a teaching material for the 7th grade Arabic Language course.	Completed
12	Development of a teaching material for the 8th grade French Language course.	Completed
13	Development of a teaching material for the 9th grade German Language course.	Completed
14	Development of a teaching material for the 10th grade Italian Language course.	Completed
15	Development of a teaching material for the 11th grade Spanish Language course.	Completed
16	Development of a teaching material for the 12th grade Russian Language course.	Completed
17	Development of a teaching material for the 5th grade Music course.	Completed
18	Development of a teaching material for the 6th grade Art course.	Completed
19	Development of a teaching material for the 7th grade Physical Education course.	Completed
20	Development of a teaching material for the 8th grade Health Education course.	Completed
21	Development of a teaching material for the 9th grade Environmental Education course.	Completed
22	Development of a teaching material for the 10th grade Career Education course.	Completed
23	Development of a teaching material for the 11th grade Entrepreneurship course.	Completed
24	Development of a teaching material for the 12th grade Leadership course.	Completed
25	Development of a teaching material for the 5th grade Social Studies course.	Completed
26	Development of a teaching material for the 6th grade Civics course.	Completed
27	Development of a teaching material for the 7th grade Citizenship course.	Completed
28	Development of a teaching material for the 8th grade National Education course.	Completed
29	Development of a teaching material for the 9th grade Atatürk Studies course.	Completed
30	Development of a teaching material for the 10th grade Turkish History course.	Completed
31	Development of a teaching material for the 11th grade Ottoman History course.	Completed
32	Development of a teaching material for the 12th grade Modern Turkish History course.	Completed

Table 1. Summary of the data sources used in the study. The table lists various data sources and their corresponding years.

Year	Data Source	Year
2010	World Bank	2010
2011	World Bank	2011
2012	World Bank	2012
2013	World Bank	2013
2014	World Bank	2014
2015	World Bank	2015
2016	World Bank	2016
2017	World Bank	2017
2018	World Bank	2018
2019	World Bank	2019
2020	World Bank	2020
2021	World Bank	2021
2022	World Bank	2022
2023	World Bank	2023
2024	World Bank	2024
2025	World Bank	2025
2026	World Bank	2026
2027	World Bank	2027
2028	World Bank	2028
2029	World Bank	2029
2030	World Bank	2030
2031	World Bank	2031
2032	World Bank	2032
2033	World Bank	2033
2034	World Bank	2034
2035	World Bank	2035
2036	World Bank	2036
2037	World Bank	2037
2038	World Bank	2038
2039	World Bank	2039
2040	World Bank	2040
2041	World Bank	2041
2042	World Bank	2042
2043	World Bank	2043
2044	World Bank	2044
2045	World Bank	2045
2046	World Bank	2046
2047	World Bank	2047
2048	World Bank	2048
2049	World Bank	2049
2050	World Bank	2050

Table 1. The list of the authors and their affiliations. The authors are listed in the order of their contribution to the manuscript. The affiliations are listed in the order of their contribution to the manuscript.

Author	Affiliation	Correspondence
1	1. Department of Chemistry, University of ...	1
2	2. Department of Physics, University of ...	2
3	3. Department of Mathematics, University of ...	3
4	4. Department of Biology, University of ...	4
5	5. Department of Environmental Science, University of ...	5
6	6. Department of Geology, University of ...	6
7	7. Department of Meteorology, University of ...	7
8	8. Department of Oceanography, University of ...	8
9	9. Department of Atmospheric Science, University of ...	9
10	10. Department of Earth and Planetary Science, University of ...	10
11	11. Department of Civil and Environmental Engineering, University of ...	11
12	12. Department of Mechanical Engineering, University of ...	12
13	13. Department of Electrical Engineering, University of ...	13
14	14. Department of Computer Science, University of ...	14
15	15. Department of Information Systems, University of ...	15
16	16. Department of Business Administration, University of ...	16
17	17. Department of Marketing, University of ...	17
18	18. Department of Finance, University of ...	18
19	19. Department of Economics, University of ...	19
20	20. Department of Law, University of ...	20
21	21. Department of Political Science, University of ...	21
22	22. Department of Sociology, University of ...	22
23	23. Department of Anthropology, University of ...	23
24	24. Department of Archaeology, University of ...	24
25	25. Department of History, University of ...	25
26	26. Department of Philosophy, University of ...	26
27	27. Department of Religion, University of ...	27
28	28. Department of Art and Design, University of ...	28
29	29. Department of Music, University of ...	29
30	30. Department of Theater and Film Studies, University of ...	30
31	31. Department of Journalism and Mass Communication, University of ...	31
32	32. Department of Public Administration, University of ...	32
33	33. Department of Health, Behavior, and Society, University of ...	33
34	34. Department of International Development Studies, University of ...	34
35	35. Department of Global Health, University of ...	35
36	36. Department of Population, Family, and Reproductive Health, University of ...	36
37	37. Department of Maternal and Child Health, University of ...	37
38	38. Department of Adolescent and Young Adult Health, University of ...	38
39	39. Department of Reproductive Health and Family Planning, University of ...	39
40	40. Department of Gender, Reproductive, and Family Health, University of ...	40
41	41. Department of HIV, Tuberculosis, and Reproductive Health, University of ...	41
42	42. Department of Malaria, Tuberculosis, and HIV, University of ...	42
43	43. Department of Non-Communicable Diseases, University of ...	43
44	44. Department of Infectious Diseases, University of ...	44
45	45. Department of Vaccines and Biologicals, University of ...	45
46	46. Department of Health Systems, Research, and Policy, University of ...	46
47	47. Department of Health Services, Research, and Policy, University of ...	47
48	48. Department of Health Economics, Research, and Policy, University of ...	48
49	49. Department of Health Law, Ethics, and Governance, University of ...	49
50	50. Department of Health Communication, Behavior, and Society, University of ...	50
51	51. Department of Health Information Systems, University of ...	51
52	52. Department of Health Statistics, University of ...	52
53	53. Department of Health Economics, Research, and Policy, University of ...	53
54	54. Department of Health Services, Research, and Policy, University of ...	54
55	55. Department of Health Systems, Research, and Policy, University of ...	55
56	56. Department of Health Economics, Research, and Policy, University of ...	56
57	57. Department of Health Services, Research, and Policy, University of ...	57
58	58. Department of Health Systems, Research, and Policy, University of ...	58
59	59. Department of Health Economics, Research, and Policy, University of ...	59
60	60. Department of Health Services, Research, and Policy, University of ...	60
61	61. Department of Health Systems, Research, and Policy, University of ...	61
62	62. Department of Health Economics, Research, and Policy, University of ...	62
63	63. Department of Health Services, Research, and Policy, University of ...	63
64	64. Department of Health Systems, Research, and Policy, University of ...	64
65	65. Department of Health Economics, Research, and Policy, University of ...	65
66	66. Department of Health Services, Research, and Policy, University of ...	66
67	67. Department of Health Systems, Research, and Policy, University of ...	67
68	68. Department of Health Economics, Research, and Policy, University of ...	68
69	69. Department of Health Services, Research, and Policy, University of ...	69
70	70. Department of Health Systems, Research, and Policy, University of ...	70
71	71. Department of Health Economics, Research, and Policy, University of ...	71
72	72. Department of Health Services, Research, and Policy, University of ...	72
73	73. Department of Health Systems, Research, and Policy, University of ...	73
74	74. Department of Health Economics, Research, and Policy, University of ...	74
75	75. Department of Health Services, Research, and Policy, University of ...	75
76	76. Department of Health Systems, Research, and Policy, University of ...	76
77	77. Department of Health Economics, Research, and Policy, University of ...	77
78	78. Department of Health Services, Research, and Policy, University of ...	78
79	79. Department of Health Systems, Research, and Policy, University of ...	79
80	80. Department of Health Economics, Research, and Policy, University of ...	80
81	81. Department of Health Services, Research, and Policy, University of ...	81
82	82. Department of Health Systems, Research, and Policy, University of ...	82
83	83. Department of Health Economics, Research, and Policy, University of ...	83
84	84. Department of Health Services, Research, and Policy, University of ...	84
85	85. Department of Health Systems, Research, and Policy, University of ...	85
86	86. Department of Health Economics, Research, and Policy, University of ...	86
87	87. Department of Health Services, Research, and Policy, University of ...	87
88	88. Department of Health Systems, Research, and Policy, University of ...	88
89	89. Department of Health Economics, Research, and Policy, University of ...	89
90	90. Department of Health Services, Research, and Policy, University of ...	90
91	91. Department of Health Systems, Research, and Policy, University of ...	91
92	92. Department of Health Economics, Research, and Policy, University of ...	92
93	93. Department of Health Services, Research, and Policy, University of ...	93
94	94. Department of Health Systems, Research, and Policy, University of ...	94
95	95. Department of Health Economics, Research, and Policy, University of ...	95
96	96. Department of Health Services, Research, and Policy, University of ...	96
97	97. Department of Health Systems, Research, and Policy, University of ...	97
98	98. Department of Health Economics, Research, and Policy, University of ...	98
99	99. Department of Health Services, Research, and Policy, University of ...	99
100	100. Department of Health Systems, Research, and Policy, University of ...	100



□□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□

Accepted M



