

Biopsychosocial determinants and gender disparities in health-related quality of life among rheumatoid arthritis patients: a nationwide multicentre study in China

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Supplementary Table S1. Expert Panel Members of Women's Rheumatoid Arthritis Research Collaborative Group (listed in order of contributed case numbers).

Name of Rheumatology Centers	Expert name	Number of cases
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Department of Rheumatology and Immunology, The First Affiliated Hospital, Jiangxi Medical College, Nanchang University, Nanchang, China	Rui Wu	292
Department of Rheumatology and Immunology, People's Hospital of Xinjiang Uygur Autonomous Region, Urumqi, China	Lijun Wu	288
Department of Rheumatology and Immunology, The First Affiliated Hospital of Guangxi Medical University, Nanning, China	Ling Lei	281
Department of Rheumatology and Immunology, The Drum Tower Clinical Medical School of Nanjing Medical University, Nanjing, China	Linyu Geng	277
Department of Rheumatology and Immunology, Peking University People's Hospital, Beijing, China	Yin Su	275
Department of Rheumatology and Immunology, West China Hospital, Sichuan University, Chengdu, China	Chunyu Tan	217
Department of Rheumatology and Immunology, The First Affiliated Hospital of USTC, Division of Life Sciences and Medicine, University of Science and Technology of China, Hefei, China	Xiaomei Li	196
Department of Rheumatology, Affiliated Hospital of Nantong University, Nantong, China	Zhanyun Da	174
Department of Rheumatology and Immunology, First Affiliated Hospital of Henan University of Science and Technology, Luoyang, China	Xiaofei Shi	158
Department of Rheumatology, Second Hospital of Shanxi Medical University, Taiyuan, China	Caihong Wang, Hongyan Wen	157

Department of Rheumatology, Peking Union Medical College Hospital, Chinese Academy of Medical Science & Peking Union Medical College, Beijing, China	Wenjie Zheng, Xiaomei Leng, Wen Zhang	156
Department of Rheumatology and Immunology, The First Affiliated Hospital of Baotou Medical College, Inner Mongolia University of Science and Technology, Baotou, China	Fuai Lu	155
Department of Rheumatology and Immunology, Affiliated Hospital of North Sichuan Medical College, Nanchong, China	Yufeng Qing	152
Department of Rheumatology & Clinical Immunology, Affiliated Hospital of Qingdao University, Qingdao, China	Lin Pan, Mingshu Sun	151
Department of Rheumatology, The First Affiliated Hospital of Wenzhou Medical University, Wenzhou, China	Li Sun, Peirong Chen, Yongji Li, Xiaoru Xia	151
Department of Rheumatology and Immunology, Mianyang Central Hospital, Mianyang, China	Jing Yang	145
Department of Rheumatology and Immunology, Tianjin Medical University General Hospital, Tianjin, China	Wei Wei	144
Department of Rheumatology and Immunology, Xiangya Hospital, Central South University, Changsha, China	Yisha Li	141
Department of Rheumatology and Clinical Immunology, Jiangxi Provincial People's Hospital, The First Affiliated Hospital of Nanchang Medical College, Nanchang, China	Chunhua Shi	140
Department of Rheumatology and Immunology, The First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China	Jin Lin	140
Department of Rheumatology and Clinical Immunology, Ningbo Medical Center Lihuili Hospital, Ningbo, China	Jin Zhang, Xiaodong Wang	137
Department of Rheumatology, Qilu Hospital, Cheeloo College of Medicine, Shandong University, Jinan, China	Qiang Shu	137
Division of Rheumatology and Immunology, Peking University Third Hospital, Beijing, China	Rong Mu	136
Department of Rheumatology, The First Affiliated Hospital of Bengbu Medical University, Bengbu, China	Linjie Chen	131
Department of Hematology and Rheumatology, Qinghai University Affiliated Hospital, Xining, China	Kexia Chai	127
Department of Rheumatology and Immunology, Third Hospital of Hebei Medical University, Shijiazhuang, China	Haiying Chen	121
Department of Rheumatology and Immunology, China-Japan Union Hospital, Jilin University, Changchun, China	Ping Li, Juan Du	120
Department of Rheumatology, The Second Hospital of Hebei Medical University, Shijiazhuang, China	Huifang Guo	118
Department of Rheumatology and Immunology, The First Hospital of China Medical University, Shenyang, China	Jing Lu, Pingting Yang	115
Department of Rheumatology, The First Hospital of Jilin University, Changchun, China	Ling Zhao	113
Department of Rheumatology and Clinical Immunology, The	Ling Zheng	111

First Affiliated Hospital of Fujian Medical University, Fuzhou, China		
Department of Rheumatology, Sun Yat-Sen Memorial Hospital, Sun Yat-Sen University, Guangzhou, China	Lie Dai	109
Department of Rheumatology and Immunology, Northern Jiangsu People's Hospital, Yangzhou, China	Hua Wei	108
Rheumatology and immunology Department, The affiliated hospital of Shandong university of traditional Chinese medicine, Jinan, China	Ying Liu	108
Department of Rheumatology, The First People's Hospital of Yunnan Province, The Affiliated Hospital of Kunming University of Science and Technology, Kunming, Yunnan, China	Jing Wang	108
Department of Rheumatology and Immunology, Second Xiangya Hospital of Central South University, Changsha, China	Fen Li	108
Department of Rheumatology, Sichuan Provincial People's Hospital, Chengdu, China	Jing Zhu	104
The Department of Rheumatology and Orthopedics Center, Gansu Provincial Hospital of Traditional Chinese Medicine, Lanzhou, China	Xuemei Tian	103
Department of Rheumatology and Immunology, Changhai Hospital, Naval Medical University, Shanghai, China	Jie Gao	103
Department of Rheumatology, The Second Affiliated Hospital of Zhejiang University (Binjiang Branch), School of Medicine, Hangzhou, China	Wenjia Sun, Lei Liu, Qiaohong Wang, Yun Zhao	103
Rheumatology of Traditional Chinese Medicine, Nanfang Hospital, Guangzhou, China	Juan Li, Weinan Lai	102
Department of Rheumatology, Fujian Provincial Hospital, Fuzhou, China	Fei Gao	101
Department of Rheumatology and Immunology, Inner Mongolia People's Hospital, Hohhot, China	Shuyan Yang	101
Department of Rheumatology, The Second Affiliated Hospital of Zhejiang University, School of Medicine, Hangzhou, China	Huaxiang Wu	100
The First Affiliated Hospital of Tianjin University of Traditional Chinese Medicine, Tianjin, China	Wei Liu	99
Department of Rheumatology, the Third Affiliated Hospital of Sun Yat-Sen University, Guangzhou, China	Ou Jin	99
Department of Rheumatology, The First Central Hospital, Tianjin, China	Wufang Qi	98
Department of Rheumatology, The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China	Zhaohui Zheng	98
Department of Rheumatology and Immunology, The Affiliated Hospital of Inner Mongolia Medical University, Hohhot, China	Yang Liu, Ning Tie	97
Department of Rheumatology, General Hospital of Ningxia Medical University, Yinchuan, China	Shuhong Chi	97

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Department of Rheumatology and Immunology, Beijing Friendship Hospital, Capital Medical University, Beijing, China	Yanying Liu	97
Department of Rheumatology, China-Japan Friendship Hospital, Beijing, China	Xin Lu	97
Department of Rheumatology, Lanzhou University Second Hospital, Lanzhou, China	Haili Shen	95
Department of Rheumatology, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China	Miaojia Zhang	95
Department of Rheumatology, Qinghai Hospital of Traditional Chinese Medicine, Xining, China	Qin Li	95
Department of Rheumatology, Immunology and Allergy, Wenzhou Municipal Central Hospital, Wenzhou, China	Supin Li	95
Department of Rheumatology and Immunology, Zhongnan Hospital of Wuhan University, Wuhan, China	Xiaoqi Chen	95
Department of Rheumatology and Immunology, Xi'an Fifth Hospital, Xi'an, China	Wei Zhang	95
Department of Rheumatology and Immunology, Peking University Shenzhen Hospital, Shenzhen, China	Qingwen Wang	94
Department of Rheumatology, the first hospital of Qiqihar, Qiqihar, China	Rongbin Li	94
Rheumatology Department, Affiliated Hospital of Liaoning University of Traditional Chinese Medicine, Shenyang, China	Jing Yu	94
Department of Rheumatology, The Second Affiliated Hospital of Dalian Medical University, Dalian, China	Yan Zhang, Xiaodan Kong	93
Department of Rheumatology, Affiliated Hospital of Nanjing University of Chinese Medicine, Nanjing, China	Wei Ji	93
Department of Rheumatology, The First Affiliated Hospital of Guangxi University of Chinese Medicine, Nanning, China	Jinyu Wu	92
Department of Rheumatology, The First Affiliated Hospital of Harbin Medical University, Harbin, China	Yanping Zhao	91
Department of Rheumatology, Guanghua Hospital Affiliated to Shanghai University of Traditional Chinese Medicine, Shanghai, China	Tao Yue	91
Department of Rheumatology and Immunology, Huaihe Hospital of Henan University, Kaifeng, China	Qing Zhao	90
Department of Rheumatology, Shandong Provincial Hospital, Affiliated to Shandong First Medical University, Jinan, China	Qian Wu	88
Department of Rheumatology and Immunology, Shaanxi Provincial People's Hospital, Xi'an, China	Xiaoyan Li	88
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Province, China		
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Department of Rheumatology and Immunology, Wuxi No. 2 People's Hospital, Wuxi, China	Tianli Ren	85
Department of Rheumatology, Hebei Provincial Hospital of Traditional Chinese Medicine, Hebei, China	Yaping Luo	83
Department of Rheumatology, Beijing Shijitan Hospital, Capital Medical University, Beijing, China	Yuhua Wang	82
Department of Rheumatology and Immunology, Daping Hospital, Army Medical University (Third Military Medical University), Chongqing, China	Yi Yang	81
Department of Rheumatism, First Affiliated Hospital, Henan University of Traditional Chinese Medicine, Zhengzhou, China	Jihua Wang, Fuhai Feng, Hongtao Guo, Zihua Wang	70
Department of Rheumatology and Immunology, Liuzhou People's Hospital, Liuzhou, China	Yuan Liu	67
Department of Rheumatology and Immunology, Shandong Dezhou People's Hospital, Dezhou, China	Danan Yang, Shuyun Wen	61
Department of Rheumatology and Immunology, Tianjin Union Medical Center, Tianjin, China	Ling Li	61
Department of Rheumatology and Immunology, The Seventh Medical Center of PLA General Hospital, Beijing, China	Yanxin Li, Yunjing Bai, Fan Wu	59
Department of Rheumatology and Immunology, Coal General Hospital of Ningxia, Shizuishan, China	Fengxia Wang	58
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Department of Rheumatology, People's Hospital of Guangxi Zhuang Autonomous Region, Nanning, China	Jinying Lin	54
Department of Rheumatology, Hebei Cangzhou Hospital of Integrated Traditional and Western Medicine, Cangzhou, China	Fengyan Sun, Lifeng Ping	48
Department of Rheumatology, Shanghai East Hospital, Tongji University, School of Medicine, Shanghai, China	Xinfang Huang	48
Department of Rheumatology, People's Hospital of Bazhou, Bazhou, China	Hui Liu	47
Department of Rheumatology and Immunology, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China	Lingli Dong	46
Department of Rheumatology and Immunology, Jilin Central Hospital, Jilin, China	Xiujie Song	46
Department of Rheumatology, Shanghai Tenth People's Hospital, Tongji University, Shanghai, China	Xinying Liu	46
Department of Rheumatology and Immunology, Xuzhou	Lin Liu	46

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Rheumatology and Immunology Department, The First Hospital of Nanchang, Nanchang, China	Jinhua Yan	45
Department of Rheumatology and Immunology, Shaoxing People's Hospital, Shaoxing, China	Shushan Zhao, Zhongming Yu, Xin Wang	45
Department of Rheumatology, The First Affiliated Hospital of Soochow University, Suzhou, China	Hongwei Qiang, Tao Cheng, Xianming Long	45
Department of Rheumatology and Immunology, Liaocheng People's Hospital, Liaocheng, China	Chunxian Li, Liming Xu	44
Department of Rheumatology and Immunology, The Second Hospital of Tianjin Medical University, Tianjin, China	Huifen Yang	44
Department of Hematology, The First People's Hospital, Xining, China	Haisheng Zhang, Shangtian Wang, Qinghua Chang	44
Department of Rheumatology, Shenzhen Hospital, The University of Hong Kong, Shenzhen, China	Lijun Zhang	44
Department of Rheumatology, First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China	Yujin Ye	44
Department of Rheumatology, Beijing Hospital, Beijing, China	Yongjing Cheng	43
Department of Rheumatology and Immunology, The Third People's Hospital of Shenzhen, Shenzhen, China	Yifang Mei	43
Jilin Meihekou Central Hospital, Jilin, China	Jingping Hu, Shuai Wang	42
Department of Rheumatology, Shanxi Bethune Hospital, Taiyuan, China	Gailian Zhang	41
Department of Rheumatology and Immunology, The First Affiliated Hospital of Hainan Medical College, Haikou, China	Lihui Ma	39
Department of Rheumatism Immunity, Liaocheng Second People's Hospital, Liaocheng, China	Meipu Chen, Tong Pan	39
Department of Rheumatology and Immunology, Zhejiang Provincial People's Hospital, People's Hospital of Hangzhou Medical College, Hangzhou, China	Yasong Li	39
Department of Rheumatology and Immunology, Affiliated Hospital of Hebei University, Baoding, China	Minghua Xu	38
Department of Rheumatology and Immunology, Beijing Shunyi Hospital, Beijing, China	Xiaomin Liu	37
Department of Rheumatology, Puyang Oilfield General Hospital, Puyang, China	Dandan Li, Jiasheng Ma	36
Department of Rheumatology and Immunology, Affiliated Hospital of Zunyi Medical University, Zunyi, China	Mei Tian	36
Department of Rheumatology and Immunology, Shijingshan Teaching Hospital, Capital Medical University, Beijing, China	Linna Pang, Conghui Sun	34

Department of Rheumatology and Immunology, Huzhou Third Municipal Hospital, Huzhou, China	Li Qin, Xiaobing Yang	34
Department of Rheumatology and Immunology, Central Hospital Affiliated to Shandong First Medical University, Jinan, China	Yuxia Ma, Chunling Zhang	34
Department of Rheumatology and Immunology, The First Affiliated Hospital of Shantou University Medical College, Shantou, China; Department of Rheumatology, Shantou University Medical College, Shantou, China	Ling Lin	34
Department of Rheumatology and Immunology, Suzhou Hospital of Traditional Chinese Medicine, Suzhou, China	Yiling Qian, Xiaoru Li	34
Department of Rheumatology and Immunology, The First People's Hospital of Yancheng, Yancheng, China	Ying Liu, Ning Chen	34
Department of Rheumatology, Yunnan Provincial Hospital of Traditional Chinese Medicine, Kunming, China	Jiangyun Peng	34
Department of Rheumatology, Zhong Da Hospital, Medical School, Southeast University, Nanjing, China	Linchen Liu, Xiaoyan Xu	33
Department of Rheumatic Osteopathy, Affiliated Hospital of Gansu University of Chinese Medicine, Lanzhou, China	Gang Wang, Jia Wang	33
Department of Rheumatology and Immunology, Hunan Provincial People's Hospital, Changsha, China	Lihua Zhang, Jianying Chen	33
Department of Rheumatology, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China	Rong Du	33
Department of Rheumatology, Beijing Tongren Hospital, Capital Medical University, Beijing, China	Yuan Gao, Li Cui	33
Department of Rheumatology and Immunology, Affiliated Hospital of Yangzhou University, Yangzhou, China	Guoqing Li, Wei Zhou	33
Department of Rheumatology and Immunology, The Second Affiliated Hospital of Chongqing Medical University, Chongqing, China	Lei Luo, Dandan Chen	33
Department of Rheumatology and Immunology, Wuqing People's Hospital, Tianjin, China	Guofeng Wang	32
Wuhai Haibowan District Traditional Chinese Medicine Hospital, Wuhai, China	Dengxiao Zhang	32
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Department of Rheumatology and Immunology, Nanjing First Hospital, Nanjing Medical University, Nanjing, China	Dinglei Su, Xingguo Chen	31
Department of Rheumatology and Immunology, Baoding No. 1 Hospital of Hebei Medical University, Baoding, China	Shaojun Zhang	30
Department of Rheumatology and Immunology, Peking University International Hospital, Beijing, China	Lianjie Shi	30

Department of Rheumatology, Dongfang Hospital of Beijing University of Chinese Medicine, Beijing, China	Chunyan Zhang	30
Department of Rheumatology and Immunology, Dongyang Hospital Affiliated to Wenzhou Medical College, Dongyang, China	Zhengfang Zhang, Jian Wang	30
Department of Rheumatology, Guangzhou University of Chinese Medicine (University Town Hospital), Guangzhou, China	Xuan Xia, Qianwen Yang	30
Department of Rheumatology and Immunology, Hebei Petro China Central Hospital, Langfang, China	FanWang, Wei Gou	30
Department of Rheumatology and Immunology, Huzhou Central Hospital, Huzhou, China	Shifang Chen, Yu Mei	30
Department of Rheumatology and Immunology, The People's hospital of Jimo. Qingdao, China	Jing Liu	30
Department of Rheumatology and Immunology, The People's Hospital of Langfang, Langfang, China	Hongyan Xu, Feng Yue	30
Department of Rheumatology and Immunology, Nanjing Hospital of TCM, Nanjing, China	Wei Hu, Meimei Xu	30
Department of Rheumatology and Immunology, The First Affiliated Hospital of Ningbo University, Ningbo, China	Dongmei Xiao, Zhen Zhang	30
Shanghai Institute of Rheumatology, Shanghai Renji Hospital, Shanghai Jiaotong University School of Medicine (SJTUSM), Shanghai, China	Sheng Chen	30
Department of Rheumatology, Capital Medical University Affiliated Anzhen Hospital, Beijing, China	Lili Pan	30
Center for Endocrine Metabolism and Immune Diseases, Beijing Luhe Hospital, Capital Medical University, Beijing, China	Baoyu Zhang	30
Department of Rheumatology and Immunology, Tianjin Hospital, Tianjin, China	Lihuan Guo	30
Department of Rheumatology and Immunology, the Affiliated Hospital of Xuzhou Medical University, Xuzhou, China	Dongmei Zhou, Hua Ma	30
Department of Rheumatism, Zhejiang Hospital of Traditional Chinese Medicine, Hangzhou, China	Tianrong Guan, Qiaoding Dai	30
Department of Rheumatology and Immunology, Beijing Haidian Hospital, Haidian section of Peking University Third Hospital, Beijing, China	Shuang Fu, Ge Zhang	29
Beijing Pinggu Hospital, Beijing, China	Xiaojing Zhang	29
Department of Rheumatology and Immunology, Haining People's Hospital, Jiaxing, China	Liangchun Tang, Yaqin Zhu	29
Department of Rheumatology, Linyi Cental Hospital, Linyi, China	Shunfang Shi, Na Wu	29
Department of Rheumatology and Immunology, First Medical Center, General Hospital of Chinese People's Liberation Army, Beijing, China	Yan Li, Junhua Guo	29
Department of Rheumatology and Immunology, Zhumadian	Jianyu Dai, Zhe	29

Central Hospital, Zhumadian, China	Liu	
Department of Rheumatology and Immunology, Tangdu Hospital of The Air Force Medical University, Xi'an, China	Yuan Feng,	28
Department of Rheumatology and Immunology, Tangshan City Workers' Hospital of Hebei, Tangshan, China	Tingting Lv	
Tibet Autonomous Region People's Hospital, Tibet, China	Li Rao, Yuxiu	28
Department of Rheumatology and Clinical Immunology, The Second Affiliated Hospital of Kunming Medical University, Kunming, China	Zhou	
Department of Rheumatology and Immunology, Beijing Hospital of Traditional Chinese Medicine, Capital Medical University, Beijing, China	Baimayangjin	27
Department of Rheumatology and Geriatrics, The First Hospital of Fuyang Hangzhou, Hangzhou, China	Ping Fu	26
Department of Rheumatology and Immunology, Handan Central Hospital, Handan, China	Bei Wang	25
Jiaozuo People's Hospital, Henan, China	Li Wen	23
Department of Rheumatology, Wuhan No.1 Hospital, Wuhan, China	Bin Jia	21
Xingtai County Hospital, Xingtai, China	Menglin Zhao	20
Department of Nephrology, Beijing Daxing District People's Hospital, Beijing, China	Binbin Wan,	20
Department of Rheumatology and Immunology, Guangdong Provincial People's Hospital (Guangdong Academy of Medical Sciences), Southern Medical University, Guangzhou, China	Huiqin Yang	
The Second Hospital of Jilin University Nephropathy of Internal Medicine, Changchun, China	Cuimin Guo	20
Department of Rheumatology and Immunology, Jianyang People's Hospital, Jianyang, China	Jian Wu	18
Department of Rheumatology, The First Affiliated Hospital of Kangda College of Nanjing Medical University/The First People's Hospital of Lianyungang, Lianyungang, China	Yang Li	18
Department of Rheumatology and Immunology, Linyi People's Hospital, Linyi, China	Xuehong Lu	18
Department of Hematology, Shang Luo Central Hospital, Shangluo, China	Yong Chen	18
Department of Rheumatology and Immunology, Affiliated Taizhou Municipal Hospital of Taizhou College, Taizhou, China	Linxiao Ma	18
Department of Renal Immunology, Tianjin Fifth Central Hospital, Tianjin, China	Yuling Wang	18
Department of Rheumatology and Immunology, Peking University Shougang Hospital, Beijing, China	Xiaohong Ji	18
Department of Rheumatology and Endocrine, Dingxi People's Hospital, Dingxi, China	Qiong Jiang	18
Department of Rheumatology, The Armed Police Force	Lingfei Guo	18
	Kuanting Wang	17
	Xuqiang Jia	17
	Yinong Li	17

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Department of Rheumatology and Immunology, the First Affiliated Hospital of Liaoning Medical University, Jinzhou, China	Li Li	17
Department of Rheumatology, the Second Affiliated Hospital of Nanjing Medical University, Nanjing, China	Jianmin Xie	17
Department of Rheumatology, People's Hospital of Rizhao, Rizhao, China	Fang Lv	17
Department of Rheumatology and Immunology, Shijiazhuang City Third Hospital of Hebei Province, Shijiazhuang, China	Xiaobei An	17
Department of Rheumatology, Taian City Central Hospital, Taian, China	Dongyu Chen	17
Department of Dermatology, Tongxiang Hospital of Traditional Chinese Medicine, Jiaxing, China	Minfang Yuan	17
Department of Endocrinology, Xingyuan Hospital, Yulin, China	Yunxia Liu	17
Department of Rheumatology, Bayannur City Hospital, Bayannur, China	Pingle Wang	16
Department of Rheumatology and Immunology, Donga County People's Hospital, Liaocheng, China	Lijie Yu	16
Department of Rheumatology and Immunology, Dongguan People's Hospital, Dongguan, China	Jiping Wu	16
Eighth Department of Internal Medicine, Dongguan Hospital of Traditional Chinese Medicine, Dongguan, China	Haiyan Yu	16
Department of Kidney, Blood, and Rheumatology, Affiliated Fuding Hospital, Fujian University of Traditional Chinese Medicine, Ningde, China	Yadong Zhou	16
Department of Rheumatology Immunology, The Second Affiliated Hospital of Guizhou University of Traditional Chinese Medicine, Guiyang, China	Ying Huang	16
Department of Rheumatology and Immunology, The First Affiliated Hospital of Anhui University of Science and Technology (Huainan First People's Hospital), Huainan, China	Bin Wang	16
Department of Rheumatology and Immunology, Jilin People's Hospital, Jilin, China	Jiaxuan Li	16
Department of Rheumatology and Immunology, The First People's Hospital of Jiande, Jiande, China	Feng Zhu	16
Department of Rheumatology and Immunology, Jiuquan People's Hospital, Jiuquan, China	Li Wu	16
Department of Rheumatology and Immunology, Lanxi People's Hospital, Jinhua, China	Haiyan Tong	16
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Department of Immune Rheumatology, Qingdao Municipal Hospital Affiliated to Medical College of Qingdao University, Shandong, China	Yujuan Shen	16
Department of Rheumatology and Immunology, No. 215 Hospital of Shaanxi Nuclear Industry, Xianyang, China	Jie Bai	16
Department of Rheumatology and Immunology, Shenzhen People's Hospital, Shenzhen, China	Wenhong Cai	16
Department of Rheumatology and Immunology, Beijing Tiantan Hospital, Capital Medical University, Beijing, China	Juan Guo	16
Department of Rheumatology and Immunology, The Second Affiliated Hospital of Tianjin University of TCM, Tianjin, China	Baoquan Li	16
Department of Rheumatology, Xinxiang First People's Hospital, Xinxiang, China	Silu Wei	16
Department of Rheumatology, Yuyao People's Hospital, Yuyao, China	Wei Wei	16
Department of Rheumatology, Sir Run Run Shaw Hospital, Zhejiang University School of Medicine, Hangzhou, China	Xinhua Zhang	16
Department of Rheumatology, Immunology and Nephropathy, Affiliated Xiaoshan Hospital, Hangzhou Normal University, Hangzhou, China	Huiling Qian	16
Department of Rheumatology, Zhengzhou Central Hospital Affiliated to Zhengzhou University, Zhengzhou, China	Lijuan Zhu	16
Department of Rheumatology, Xiyuan Hospital, China Academy of Chinese Medical Sciences, Beijing, China	Fang Ma	16
Department of Traditional Chinese Medicine, Fuling Central Hospital, Chongqing, China	Ji Luo	16
Department of Rheumatology, Zhoushan Putuo District People's Hospital, Zhoushan, China	Pan Zhou	16
AnJi Branch of the First Affiliated Hospital, Zhejiang University School of Medicine, HuZhou, China	Chunyan Chen	15
Department of Rheumatology and Immunology, Anqing Municipal Hospital, Anqing, China	Luyao Wang	15
Department of Rheumatology and Immunology, Beijing Tsinghua Changgung Hospital, Beijing, China	Zhengang Wang	15
Department of Rheumatology and Immunology, Benxi Central Hospital, Benxi, China	Li Liang	15
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Department of Rheumatology, Fuyang People's Hospital, Fuyang, China	Hongli Sun	15
Department of Medicine, HangZhou FuYang Hospital of Traditional Chinese Medicine, Hangzhou, China	Shoujun Wang	15
Department of Rheumatology and Immunology,the Affiliated Hospital of Guizhou Medical University, Guiyang, China	Xiaoxia Liu	15
Department of Rheumatic Disease, Affiliated Hangzhou First People's Hospital, Zhejiang University School of Medicine, Hangzhou, China	Jiao Huang	15
Department of Rheumatology and Immunology, Zhejiang Provincial Hospital of Integrative Chinese and Western Medicine, Hangzhou, China	Hongxia Zheng	15
Department of Nephrology and Rheumatology, Hangzhou Hospital of Traditional Chinese Medicine Affiliated to Zhejiang Chinese Medical University, Hangzhou, China	Yayu Li	15
Department of Rheumatology and Immunology, Aerospace Center Hospital, Beijing, China	Qiuling Ding	15
Department of Rheumatology, Hebei General Hospital, Shijiazhuang, China	Fang Li	15
Henan Hospital of Traditional Chinese Medicine, Zhengzhou, China	Qingliang Meng	15
Rheumatology Department of Heilongjiang Provincial Traditional Chinese Medicine Hospital, Harbin, China	Jiahui Zhao	15
Department of Rheumatology, The First Affiliated Hospital of Heilongjiang University of Chinese Medicine, Harbin, China	Lijuan Gao	15
Department of Rheumatology and Immunology, Hubei Provincial Hospital of Traditional Chinese Medicine, Wuhan, China	Huiling Li	15
Department of Rheumatology, Huzhou First People's Hospital, Huzhou, Zhejiang Province, China	Xingfa Tao	15
Department of Rheumatology and Immunology, Huai'an First People's Hospital (Affiliated to Nanjing Medical University), Huai'an, Jiangsu Province, China	Yan Liu	15
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Note: The ranking reflects the number of ethically approved complete case records provided during the project period (July 2023-September 2023).

Supplementary Table S2. The interaction between CDAI and financial burden, anxiety symptoms, depressive symptoms, sleep satisfaction.

Variables	n (%)	EQ5D5L (CDAI≤10)	EQ5D5L (CDAI>10)	β(95%CI)	p	p-value for interaction	
All patients	15835 (100.00)	0.89 ± 0.15	0.72 ± 0.26	-0.17 (-0.18 ~ -0.16)	<0.001		
Financial burden	minimal	1321 (8.34)	0.94 ± 0.10	0.85 ± 0.22	-0.09 (-0.11 ~ -0.07)	<0.001	<0.001
	mild	2628 (16.60)	0.91 ± 0.13	0.79 ± 0.20	-0.12 (-0.13 ~ -0.10)	<0.001	
	moderate	7548 (47.67)	0.89 ± 0.13	0.75 ± 0.23	-0.15 (-0.16 ~ -0.14)	<0.001	
	substantial	3809 (24.05)	0.83 ± 0.19	0.63 ± 0.29	-0.20 (-0.22 ~ -0.17)	<0.001	
	severe	529 (3.34)	0.72 ± 0.26	0.44 ± 0.39	-0.29 (-0.39 ~ -0.18)	<0.001	
Anxiety symptoms	no	12664 (79.97)	0.90 ± 0.13	0.77 ± 0.22	-0.13 (-0.14 ~ -0.12)	<0.001	<0.001
	yes	3171 (20.03)	0.73 ± 0.24	0.53 ± 0.32	-0.20 (-0.24 ~ -0.16)	<0.001	
Depressive symptoms	no	12659 (79.94)	0.90 ± 0.13	0.77 ± 0.22	-0.13 (-0.14 ~ -0.12)	<0.001	<0.001
	yes	3176 (20.06)	0.74 ± 0.24	0.54 ± 0.32	-0.20 (-0.24 ~ -0.16)	<0.001	
Sleep satisfaction	good	10126 (63.95)	0.91 ± 0.13	0.79 ± 0.22	-0.12 (-0.13 ~ -0.11)	<0.001	<0.001
	poor	5709 (36.05)	0.84 ± 0.19	0.61 ± 0.30	-0.22 (-0.24 ~ -0.20)	<0.001	

Financial burden: the extent of perceived financial burden.

Supplementary Table S3. Demographic, clinical characteristics and quality of life among RA patients and gender disparities after propensity score matching

Variables		Total (n=7671)	Male (n=2557)	Female (n=5114)	<i>P</i>
Age (years) (M ± SD)		56.82 ± 12.40	56.43 ± 13.00	57.01 ± 12.08	0.061
Onsetage (years) (M ± SD)		51.25 ± 12.74	50.85 ± 13.16	51.45 ± 12.52	0.056
Education n (%)	Junior high school and below	4033 (52.57)	1243 (48.61)	2790 (54.56)	<0.001
	Senior high school and above	3638 (47.43)	1314 (51.39)	2324 (45.44)	
Residence n (%)	rural	2858 (37.26)	933 (36.49)	1925 (37.64)	0.325
	urban	4813 (62.74)	1624 (63.51)	3189 (62.36)	
Financial burden n (%)	minimal	825 (10.75)	272 (10.64)	553 (10.81)	0.952
	mild	1343 (17.51)	448 (17.52)	895 (17.50)	
	moderate	3515 (45.82)	1167 (45.64)	2348 (45.91)	
	substantial	1736 (22.63)	590 (23.07)	1146 (22.41)	
	severe	252 (3.29)	80 (3.13)	172 (3.36)	
Annual household income (ten thousand) n (%)	≤5	3173 (41.36)	1003 (39.23)	2170 (42.43)	0.021
	5-10	2633 (34.32)	905 (35.39)	1728 (33.79)	
	10-15	1280 (16.69)	464 (18.15)	816 (15.96)	
	15-30	426 (5.55)	138 (5.40)	288 (5.63)	
	>30	159 (2.07)	47 (1.84)	112 (2.19)	
TJC-28 (IQR)		6.00 (2.00, 12.00)	6.00 (2.00, 12.00)	5.00 (2.00, 12.00)	0.002
SJC-28 (IQR)		4.00 (1.00, 9.00)	4.00 (1.00, 9.00)	4.00 (1.00, 8.00)	0.003
PtGA (IQR)		60.00 (40.00, 79.00)	60.00 (40.00, 78.00)	60.00 (35.00, 80.00)	0.838
PhGA (IQR)		60.00 (40.00, 75.00)	60.00 (40.00, 75.00)	60.00 (35.00, 75.00)	0.430
CDAI (IQR)		21.50 (14.00, 33.65)	22.00 (14.50, 34.00)	21.00 (13.35, 33.00)	0.015
Disease duration (months) (IQR)		36.00 (12.00, 96.00)	36.00 (12.00, 84.00)	36.00 (12.00, 96.00)	0.098
Irregular follow-up n (%)	no	6483 (84.51)	2126 (83.14)	4357 (85.20)	0.019
	yes	1188 (15.49)	431 (16.86)	757 (14.80)	
	≤6	6760 (88.12)	2251 (88.03)	4509 (88.17)	

Follow-up interval (months)	>6	911 (11.88)	306 (11.97)	605 (11.83)	
n (%)					
Glucocorticoid therapy n (%)	no	4115 (53.64)	1336 (52.25)	2779 (54.34)	0.083
	yes	3556 (46.36)	1221 (47.75)	2335 (45.66)	
csDMARDs n (%)	no	480 (6.26)	134 (5.24)	346 (6.77)	0.009
	yes	7191 (93.74)	2423 (94.76)	4768 (93.23)	
b/tsDMARDs n (%)	no	4514 (58.85)	1460 (57.10)	3054 (59.72)	0.028
	yes	3157 (41.15)	1097 (42.90)	2060 (40.28)	
Comorbidities n (%)	no	3059 (39.88)	973 (38.05)	2086 (40.79)	0.021
	yes	4612 (60.12)	1584 (61.95)	3028 (59.21)	
Depressive symptoms n (%)	no	7315 (95.36)	2444 (95.58)	4871 (95.25)	0.514
	yes	356 (4.64)	113 (4.42)	243 (4.75)	
Anxiety symptoms n (%)	no	7234 (94.30)	2417 (94.52)	4817 (94.19)	0.554
	yes	437 (5.70)	140 (5.48)	297 (5.81)	
Sleep satisfaction n (%)	no	5316 (69.30)	1745 (68.24)	3571 (69.83)	0.156
	yes	2355 (30.70)	812 (31.76)	1543 (30.17)	
Fatigue Vas (IQR)		55.00 (30.00, 70.00)	52.00 (30.00, 70.00)	55.00 (30.00, 70.00)	0.425
MO n (%)	no problems	3584 (46.72)	1128 (44.11)	2456 (48.03)	0.006
	slight problems	2709 (35.31)	945 (36.96)	1764 (34.49)	
	moderate problems	937 (12.21)	336 (13.14)	601 (11.75)	
	severe problems	341 (4.45)	122 (4.77)	219 (4.28)	
	unable to/extreme problems	100 (1.30)	26 (1.02)	74 (1.45)	
SC n (%)	no problems	4219 (55.00)	1348 (52.72)	2871 (56.14)	0.014
	slight problems	2344 (30.56)	812 (31.76)	1532 (29.96)	
	moderate problems	745 (9.71)	270 (10.56)	475 (9.29)	
	severe problems	279 (3.64)	105 (4.11)	174 (3.40)	
	unable to/extreme problems	84 (1.10)	22 (0.86)	62 (1.21)	
UA n (%)	no problems	3576 (46.62)	1155 (45.17)	2421 (47.34)	0.051
	Slight problems	2817 (36.72)	952 (37.23)	1865 (36.47)	
	moderate problems	912 (11.89)	331 (12.94)	581 (11.36)	
	severe problems	282 (3.68)	99 (3.87)	183 (3.58)	
	unable to/extreme problems	84 (1.10)	20 (0.78)	64 (1.25)	
PD n (%)	no problems	1525 (19.88)	503 (19.67)	1022 (19.98)	0.362
	slight problems	4018 (52.38)	1318 (51.54)	2700 (52.80)	
	moderate problems	1551 (20.22)	539 (21.08)	1012 (19.79)	
	severe problems	467 (6.09)	166 (6.49)	301 (5.89)	

AD n (%)	unable to/extreme problems	110 (1.43)	31 (1.21)	79 (1.54)	0.744
	no problems	3144 (40.99)	1060 (41.45)	2084 (40.75)	
	slight problems	3389 (44.18)	1105 (43.21)	2284 (44.66)	
	moderate problems	849 (11.07)	289 (11.30)	560 (10.95)	
	severe problems	225 (2.93)	81 (3.17)	144 (2.82)	
	unable to/extreme problems	64 (0.83)	22 (0.86)	42 (0.82)	
Health utility value of quality of life (IQR)		0.80 (0.65, 0.94)	0.78 (0.65, 0.94)	0.81 (0.67, 0.94)	0.012
EQ-VAS (IQR)		70.00 (60.00, 80.00)	70.00 (60.00, 80.00)	74.50 (60.00, 80.00)	0.111