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**Scoping review on medical and social domains of ageing research
in Singapore (2008–2018)**

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ABSTRACT

Introduction: To examine how ageing research in medical and social domains in Singapore has transformed over time, this scoping review examined the number, types and characteristics of journal publications on ageing in Singapore from 2008 to 2018.

Methods: Using relevant search terms, articles were extracted from multiple databases and then screened and reviewed for eligibility and inclusion by independent reviewers. Data such as title of the study, authors, year of publication, name of journal, type of journal, study design and the kind of data used were charted from the included articles for evidence synthesis.

Results: Since 2008, there has been a steady increase in the number of publications on ageing in medical and social domains in Singapore. In the medical domain, publications in Ophthalmology formed the largest group of the existing medical literature on ageing in Singapore (22%), followed by Physical Functioning, which involved physiological measurements of physical well-being (17%) and Geriatrics (16%). Non-medical publications comprised 38% of all the included publications, with publications on the social aspects of ageing forming the largest group in this cluster (43%), followed by publications on Prevention (19%) and Healthcare Services (18%). Most studies were observational in study design (82%), with only 3% of interventional studies.

Conclusion: While ageing research had expanded in Singapore in the last decade, it was predominantly discipline-specific and observational in design. As ageing issues are complex, with biology intersecting with psychology and sociology, we call for greater interdisciplinary collaboration, interventional studies and more research in understudied and emerging areas.

Keywords: ageing research, scoping review, Singapore

INTRODUCTION

By 2030, it is estimated that one in four of Singapore's population will be above 65 years old.⁽¹⁾ Singapore's demographic transition will present many medical and social challenges. Hence, it is important to examine how ageing research in these domains in Singapore has changed over time. By mapping the kind of research that has been published and examining their characteristics, we can gain insights into the current state of research and recommend directions for future research.

Reviews on ageing research in Singapore tended to take the form of an exposition of the demographic transition that had occurred and the policy challenges that had resulted from it.⁽²⁻⁴⁾ The general concern was how to contain these challenges so that ageing did not present as a societal burden.⁽⁵⁾ Many of these reviews are policy-centric and rely on expert assessment of the ageing situation. There seems to be a lack of a systematic empirical enumeration of the number and type of published studies in the main domains of ageing research, including medical and social ones, which could better inform trends in the literature.

This scoping review aims to find out: (1) the frequency of what has been published in the medical and social domains of ageing in journals; (2) the characteristics of these studies such as their research design and use of data; (3) the trends of these publications over the last decade; and (4) the gaps in these publications. We hope that through such a systematic mapping of publications over the past decade, there will be a stronger empirical basis to discern trends in ageing research. To our knowledge, there has been no such scoping review on ageing research conducted in Singapore previously.

METHODS

Search criteria

As can be seen from Fig. 1, the search criteria were kept as open as possible to capture the full spectrum of literature that exists, subject to the following criteria. Inclusion criteria: (1) journal articles related to the medical and social domains of ageing in Singapore; (2) published from January 2008 to December 2018; (3) empirical research; (4) written in English; (5) studies conducted with the local general population or cohorts. Exclusion criteria: (1) commentaries, editorials, reviews, study protocols, book chapters, dissertations, conference papers; (2) studies that validated scales; (3) not relevant to ageing; and (4) not conducted in Singapore.

Search strategy

In Fig. 1, to capture relevant publications, a search of major databases was performed on 7 March 2018 for publications from 2010 to March 2018. The search was subsequently expanded on 28 February 2019 for publications from 2008 to 2009 and from March to December 2018 to reflect decade-long changes to the characteristics and trends of journal publications on ageing in Singapore. The results of the search strategy are reported in Fig. 2, as per the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) statement and guidance on the conduct of narrative synthesis in scoping reviews.⁽⁶⁾ The PRISMA-ScR checklist is presented in the Appendix.

Study selection

In Fig. 2, a total of 12,908 publications were identified. After the removal of duplicates, the remaining records were screened against the inclusion and exclusion criteria and their abstracts were screened independently by four reviewers (EH, TCH, SH and ST). The full-text articles were then retrieved and independently assessed for eligibility by the same reviewers. All

disagreements were resolved through discussion among all the reviewers until a consensus was reached. The screening process yielded 684 eligible publications. These publications were then classified by the general discipline they are in, as shown in Table I.

Specific data extraction form was developed after some eligible articles were pilot-tested by reviewers (EH, AG & EKK) for evidence synthesis. These data included the title of the study, authors, year of publication, name of the journal, type of journal, study design (whether the study was cross-sectional, longitudinal, observational, interventional, qualitative or mixed methods) and type of data used (quantitative, qualitative or both).

In view of the large number and heterogeneity of publications, we decided to analyse our results both (1) generally across all the eligible articles and (2) in greater depth only for those disciplines that have more than 15 articles in them. From Table I, the 12 disciplines which had 15 or more articles were further stratified by the subtopics within those disciplines. This yielded 589 articles in total for deeper analysis as shown in Table II.

RESULTS

General observations across all disciplines

Since 2008, there has been a steady increase in the number of publications on ageing in Singapore. As illustrated in Fig. 3, publications doubled from 45 in 2008 to 91 in 2018 during the 11-year period.

We classified the 684 publications into two groups, medical and non-medical. The medical group comprised 425 publications covering the medical disciplines such as Ophthalmology, Geriatrics, Psychiatry and a discipline which we described as Physical Functioning where its subtopics involved physiological measurements and functioning. The non-medical group had 259 publications and included the following disciplines: Social, Prevention, Healthcare Services, Built Environment, Policy and Planning, Healthy Ageing and

Technology as listed in Table I. As the bulk of these non-medical papers were essentially social and behavioural (43% Social), Prevention (19%) and Healthcare Services (18%), we decided to call it Social.

The majority (62%) of the included publications were on medical conditions in older persons. Publications in Ophthalmology formed the largest group of the existing medical literature on ageing in Singapore (22%). This finding is a testament to the well-established research in Ophthalmology in Singapore. As early as 2004, the Singapore Malay Eye Study (SiMES) was started. Between 2004 and 2015, the Singapore Indian Eye Study (SINDI) and the Singapore Chinese Eye Study (SCES) were undertaken.

Apart from the clinical papers, one major domain of research on ageing was on Physical Functioning which constituted 17% of the included medical publications. Another large group of publications within the medical literature was in Geriatrics (16%). Cognitive function was the main focus of these publications. Interestingly, the subtopic of frailty had received more research attention in recent years with publications increasing from one in 2011 to 4 in 2017. Other clinical specialities addressing medical conditions common in older patients included Psychiatry (11% of included medical publications), Cardiology (7%), Oncology (4%), and Endocrinology (4%).

Non-medical publications comprised 38% of the included publications. Publications on the social aspects of ageing formed the largest group and accounted for 43% of all the non-medical publications. The main subtopics of this cluster were, in order of decreasing frequency, caregiving (36% of all the Social publications), employment (11%), end-of-life issues (11%), social participation, support and networks (10%) and living arrangements (9%).

Publications on Prevention, which included subtopics such as nutrition, medication use, vaccinations and health behaviour, constituted the second largest group in the non-medical

cluster of literature (19%) while Healthcare Services formed the third largest group (18%). The subtopics here included home hospice service and long-term care services.

This was followed by publications on Built Environment (7%) and Policy and Planning (7%). The latter dealt with wider policies and longer-term planning of ageing issues. Research in Built Environment investigated how the attributes of the built environment promoted the physical and cognitive well-being of the elderly. Interestingly, the number of publications had increased for Built Environment from one in 2008 to 4 in 2017.

Study design

We categorised the publications into observational, interventional, qualitative, cost-effectiveness and mixed methods studies. Observational studies accounted for 82% of all the publications ($n = 556$). Only 22 of the 684 publications (3%) were interventional studies. Qualitative, cost-effectiveness studies and mixed methods accounted for 15% of all the publications. Of the 22 interventional studies, 86% of them ($n = 19$) were controlled and randomised. Three studies (14%) were uncontrolled and non-randomised.

Use of Data from Population-Based Studies

In this review, data from the Singapore Longitudinal Ageing Studies (SLAS) had been used in the largest ($n = 64$) number of publications. Data from SiMES were used in 50 publications in the review while those from the Singapore Chinese Health Study (SCHS) and the Well-being of the Singapore Elderly Study (WiSE) yielded 47 and 29 publications respectively.

Authors' affiliations

We divided each paper equally among its authors and those authors who had more than one affiliations would have that equal share subdivided by the number of affiliations they had. By

adding up these shares, we observed that the Singapore Eye Research Institute (SERI) had a score of 33.3, having the largest share of affiliated papers in the domain of Ophthalmology in this review. Similarly, the Department of Psychological Medicine, NUS had a score of 19.9, having the largest share of affiliated papers in the domain of Geriatrics in this review. Common to these research groups was their long standing and well-funded cross-sectional and longitudinal surveys such as the Singapore Epidemiology of Eye Disease (SEED) and SLAS.

Funding and main areas of research

We conducted a check on the funding declarations in all the included papers. Of the 368 funded papers, the National Medical Research Council (NMRC) and the Biomedical Research Council (BMRC) funded more than half of them (52% or 191 papers) across all the disciplines. In particular, both Councils were extremely important in funding 97% of the papers on Ophthalmology led by SERI, followed by 76% of the papers on Geriatrics particularly on cognitive impairment led by the Department of Psychological Medicine, NUS and 48% of the papers on Psychiatry especially on depression led by the Department of Psychological Medicine, NUS.

Although NMRC and BMRC's funding cut across all the disciplines, they did not feature prominently in certain disciplines such as Healthcare Services, Built Environment and Oncology. In these disciplines, other types of funding such as from hospitals, Agency for Integrated Care for Healthcare Services, university grants mainly for Built Environment and overseas research grants such as National Cancer Institute (USA) mainly for Oncology were more important.

In-depth review of selected disciplines

Social Category

Caregiving formed the largest subtopic of study ($n = 40$). More than half of these articles were on the negative effects of caregiving on caregivers ($n = 28$), with fewer on the positive effects ($n = 6$). There were 12 articles on employment in this category. More than half of the articles ($n = 7$) focused on the challenges facing older workers in extending their working lives. An article in this group showed the positive outcomes that are associated with continued employment for older adults.⁽⁷⁾ Despite this, three articles cautioned that simply extending the working lives of seniors may have mixed consequences and even forced them into badly paid jobs that were potentially damaging to their health.⁽⁸⁻¹⁰⁾ There were 10 articles on living arrangements. The majority of these articles ($n = 6$) examined the negative health-related and social consequences of the elderly living on their own.⁽¹¹⁾ However, while living alone did predict lower psychological well-being, its predictive power decreased when loneliness was taken into account.⁽¹²⁾

Ophthalmology

Most of the articles in this category studied AMD (23% of all the Ophthalmology papers), glaucoma (9%) and cataract (6%). These studies reported findings on associations or risk factors. Similarly, most of the articles on glaucoma and cataract were on their prevalence and risk factors. Interestingly, a number of studies reported associations of eye diseases with cognitive function. For instance, older persons with visual impairment were more likely to have cognitive dysfunction.^(13,14) Such interdisciplinary findings were valuable in understanding the well-being of older persons holistically and ventured beyond compartmentalised disciplines. Most of the data were collected from the SEED, SiMES, SINDI and SCES studies. These

cohort studies enabled in-depth studies on as well as comparison of the three main ethnic groups and international comparisons.

Physical Functioning

There were 72 articles in this category with the following subtopics: injury (n = 32), health status (n = 14), physiological measurements (n = 11), functional ability (n = 10) and exercise (n = 5). Articles on injury covered mainly falls, hip fracture and traumatic brain injury. They were conducted in both community and hospital settings and were generally observational in design. One article provided an interesting multifactorial fall prevention programme in the community.⁽¹⁵⁾ Further such intervention studies would be useful. Articles on health status examined health indicators, quality of life, life expectancy and mortality. Articles on physiological measurements focused on gait speed, hand grip strength and body mass index in relation to health outcomes.

Geriatrics

The category Geriatrics (n = 69) contained three major subtopics: cognition, dementia and frailty. More than two-thirds of the 35 articles on cognition (n = 24) were on the various risk factors for cognitive impairment while 4 articles were on the protective factors against neurocognitive disorders. One innovative paper demonstrated how social factors such as living in a low socio-economic community was independently associated with cognitive impairment.⁽¹⁶⁾ More than half (n = 7) of the 15 articles on dementia were on its prevalence and its behavioural and psychological symptoms. The second major group of the articles (n = 5) were on the risk and protective factors that were associated with having dementia. Half of the 12 articles on frailty were on its prevalence and biomarkers. Most of the articles approached frailty as a physical condition. However, one article pioneered the concept of social frailty as

opposed to physical frailty and established the independent effect of social frailty on the prevalence and incidence of functional disability.⁽¹⁷⁾

Prevention

Almost half of all the 49 articles in this category focused on nutrition (n = 23), followed by health behaviour (n = 11), medication (n = 9) and vaccination (n = 6). Articles on nutrition were mainly cross-sectional and were drawn heavily from the findings of the Singapore Chinese Health Study. Most papers were on dietary patterns and their risk of medical conditions. Articles on health behaviour focused on lifestyle and behaviour, particularly on tobacco use and alcohol drinking. Other topics included seeking and processing of health information and self-care management programmes. Two interesting intervention studies on self-care and the salutogenic programme for older adults were conducted.^(18,19) Such interventional studies are increasingly needed to address the growing prevalence of chronic diseases in the community.

Healthcare Services

More than half of the articles in this category focused on healthcare utilisation (24 out of 46 articles), with the rest on home and long-term care (n = 14), and help-seeking (n = 8). Articles on healthcare utilisation were mostly observational and mainly looked at emergency department visits, hospital admissions and other healthcare utilisation patterns. Articles on home and long-term care were primarily observational in study design, and examined medication usage, rehabilitation, caregiving.

Psychiatry

The common conditions studied under this domain, in decreasing order of frequency, were depression, sleep disorders, psychosis and schizophrenia. Most of the studies were

observational. Studies on depression focused on either quantifying the burden of illness or exploring associated factors. Interestingly, one study expanded the analysis of associated factors from the personal level to area-level measures of socio-economic status.⁽²⁰⁾ Sleep studies were mostly focused on disturbances in sleep and associated correlates. An interesting theme in this category was the intersection of the health and social dimensions of a condition. For instance, the association of cognitive decline and extreme sleep duration was being moderated by social support.⁽²¹⁾

Cardiology

Studies under this domain were either observational or cost-effectiveness studies. Often, cost-effectiveness studies focused on the effectiveness of different pharmacological drugs as compared to established drugs.

Built Environment

Most of the research in the Built Environment articles (12 out of the total 20 articles) investigated how the attributes of the built environment, such as residential density, can promote physical and cognitive well-being of the elderly.

Oncology

There were few articles categorised under Oncology with topics ranging from general cancer, breast cancer and colorectal cancer. Most of the included studies were observational. While general cancer was studied from a clinical perspective, for example, reporting of common drug-related problems, breast cancer was studied more from an epidemiological perspective.^(22,23)

Policy and Planning

Half of the 18 articles in this category were on financing healthcare and the affordability of the healthcare costs. They ranged from financing healthcare costs to general old age financial security, and featured a number of government policy changes. 6 articles studied the economic burden of diseases and projecting future healthcare demand and supply of healthcare professionals.

Endocrinology

Most of the articles in this category looked at diabetes (15 out of 16 articles) and were observational in design. They examined the associations and risk factors for Type 2 diabetes.

DISCUSSION

The medical publications are mostly observational and chiefly examined associations and risk factors for various medical conditions. They were generally discipline-specific and highly specialised. The non-medical publications were also mainly observational but were more interdisciplinary. As shown in this review, there are certain areas of research that can be enriched by considering the social aspects of the ageing process to the medical conditions in question. For instance, the concept of social frailty was demonstrated as an independent variable in explaining the prevalence and incidence of functional disability among older adults.⁽¹⁷⁾ This is in spite of the dominance of the concept of physical frailty in the literature. Indeed, not only is social frailty an important corrective to the dominant interpretation of frailty as simply physical, it also opens up other possible dimensions of frailty that could be further explored.

Another innovative multidisciplinary approach to understanding the medical condition of cognitive impairment can be found in the paper where area-level measures of socio-

economic status of the neighbourhoods were independently associated with cognitive impairment.⁽¹⁶⁾ Hence, there are potentially many areas of medical ageing research that can benefit from the cross-fertilisation of concepts and theories from the non-medical disciplines. This review showed that there were very few interventional studies (only 3% of reviewed publications) across the different disciplines. In view of the challenges ageing presents, there is a need to have more interventional studies and evaluations so that interventions can be validated and scaled up.

From this review, there were common areas of research interest and convergences in the fields of caregiving and dementia. The Program in Health Services and Systems Research, Duke-NUS and the Research Division, Institute of Mental Health (IMH) produced almost half of all papers on caregiving (19 out of 40 papers). The Department of Psychological Medicine, NUS dominated the publications in cognition (21 out of 35 papers or 60%) and frailty (7 out of 12 papers or 58%) but in the field of dementia, it shared almost half the publications (4 out of 10 papers) with the Research Division, IMH (6 papers). There could potentially be more collaboration among these research groups.

Already in the emerging field of frailty, while the Department of Psychological Medicine, NUS led the publications (8 out of 12 papers), both the Department of Geriatric Medicine, NUS and the Research Division, IMH were also active in the field, producing a quarter of the included papers in this review.

This study showed that Singapore had done well in supporting researchers with quality longitudinal surveys such as SLAS, SCHS and WiSE. It was no wonder research groups associated with them produced significant number of publications. To understand the ageing processes better scientifically, the importance of developing rigorous longitudinal databases could not be overemphasised.⁽²⁴⁾ As mentioned, the NMRC and BNRC funded more than half of the included publications.

Singapore, however, can look to countries like Scotland which linked health and social service data to more accurately identify the relationships between health, social activities and use of resources.⁽²⁵⁾ In some of these large population studies, sometimes the population was not segmented by age. As Singapore society becomes more diverse, it is important not to see the elderly monolithically. Not only are the elderly segmented by gender and ethnic differences, they are also differentiated by social class and generational differences. A more nuanced understanding of the elderly is needed for future studies.

Internationally, Preventive Health and Successful Ageing have been promoted to enable older persons to have better quality of life and minimise healthcare costs.⁽²⁴⁾ In this study, there were many studies on Prevention, the fifth discipline with the most number of publications (49 papers with almost half of these papers on nutrition). However, what is needed is for these research findings to be translated into policy and practice. In this study, there were only 8 papers on Healthy Ageing.

There are a number of gaps in the existing research. Some specific groups of vulnerable elderly are understudied. For instance, there was only one paper on older adults with intellectual disability. In a multi-ethnic, multi-religious and multi-lingual society, research on the elderly needs to reflect more strongly how these underlying influences may affect their attitudes and behaviour. Old age well-being includes being having companionship, intimacy and sex. No such studies turned up in this review.

Even in extensively studied topics like caregiving, there are understudied areas as these social phenomena evolve over time. For instance, international initiatives in Gerontechnology, where design and technology can aid independent living and social participation of older persons while minimising the need for caregiving labour, were promoted.⁽²⁴⁾ In this study, there were only 6 papers on assistive living technology.

This study was not without limitations. One limitation is that the search terms may not have been comprehensive and may have missed out on studies relating to disease conditions. With the large volume of studies reviewed, there is a possibility that key publications may have been excluded. It is also possible that the search terms used such as “older” and “aged” may not be able to capture individuals who are in the young-old category.

Our review was limited to journal publications in English owing to time and resource constraints and we also felt most of the published work on ageing in Singapore were predominantly in English in peer-reviewed journals. This excluded non-journal publications such as books, grey literature and non-English publications which certainly would have added to the breadth and complexity of the review. Another limitation is how the publications are classified by topics. While efforts were made to ensure thematic consistency, there were nevertheless some publications that could be classified under more than one category. However, the number of such papers was relatively small and consensus among the reviewers was used to classify these papers appropriately and avoid double-counting.

The strengths of our review are the following: it was extremely broad and wide-ranging, covering 684 publications in 29 domains of research. It provided a systematic enumeration of the main areas of research that had been done and identified trends and gaps in them. To the best of our knowledge, this is the first scoping review of ageing research in Singapore. We hope this review will provide an empirical basis for researchers and grantor bodies to decide on the areas and direction of studies they should do more research on.

In conclusion, while ageing research had expanded in Singapore in the last decade, it was predominantly discipline-specific and observational in design. As ageing issues are complex, with biology intersecting with psychology and sociology, we call for greater interdisciplinary collaboration, interventional studies and more research in understudied areas and international initiatives on Preventive Health, Successful Ageing and Gerontechnology.

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Table I. Classification of Publications by Discipline

S/N	Discipline	Domain	Frequency
1	Social	Social	112 (16.4%)
2	Ophthalmology	Medical	93 (13.6%)
3	Physical Functioning	Medical	72 (10.5%)
4	Geriatrics	Medical	69 (10.1%)
5	Prevention	Social	49 (7.2%)
6	Healthcare Services	Social	46 (6.7%)
7	Psychiatry	Medical	45 (6.6%)
8	Cardiology	Medical	30 (4.4%)
9	Built Environment	Social	20 (2.9%)
10	Oncology	Medical	19 (2.8%)
11	Policy and Planning	Social	18 (2.6%)
12	Endocrinology	Medical	16 (2.3%)
13	Medicine	Medical	11 (1.6%)
14	Nephrology	Medical	11 (1.6%)
15	Infectious Diseases	Medical	10 (1.5%)
16	Healthy Ageing	Social	8 (1.2%)
17	Neurology	Medical	7 (1.0%)
18	Urology	Medical	7 (1.0%)
19	Technology	Social	6 (0.9%)
20	Dentistry	Medical	5 (0.7%)
21	Orthopaedic	Medical	5 (0.7%)
22	Obstetrics & Gynaecology	Medical	5 (0.7%)
23	Anaesthesiology	Medical	4 (0.6%)
24	Gastroenterology	Medical	4 (0.6%)
25	Dermatology	Medical	3 (0.4%)
26	Ear, Nose & Throat	Medical	3 (0.4%)
27	Medication	Medical	2 (0.3%)
28	Rheumatology	Medical	2 (0.3%)
29	Pharmacology	Medical	2 (0.3%)
	Total		684(100%)

Table II. Further Classification by Subtopic within Reviewed Disciplines

S/N	Discipline	Subtopics	Frequency
1	Social	Caregiving Employment End-of-Life Social Participation, Support and Networks Living Arrangements Elder Abuse, Suicide and Counselling Community Programmes Family Gambling Social care Intergenerational Differences Intellectual Disability Total:	40 12 12 11 10 7 6 6 4 2 1 1 112
2	Ophthalmology	Age-related Macular Degeneration Glaucoma Cataract Myopia Angle Closure Ocular Conditions Retinal Conditions Corneal Conditions Diabetic Retinopathy Other eye conditions Visual Impairment Projection of Eye Disease Burden Lack of Awareness Total:	21 8 6 5 5 7 14 4 3 15 3 1 1 93
3	Physical Functioning	Injury Health Status Physiological Measurements Functional Ability Exercise Total:	32 14 11 10 5 72
4	Geriatrics	Cognition Dementia Frailty Bone Health Vitamin D Deficiency Total:	35 15 12 4 3 69
5	Prevention	Nutrition Health Behaviour Medication Vaccination Total:	23 11 9 6 49
6	Healthcare Services	Healthcare Utilization Home and Long-term Care Help-seeking	24 14 8

		Total:	46
7	Psychiatry	Depression Sleep Cognition Psychosis Schizophrenia Total:	23 15 3 2 2 45
8	Cardiology	Cardiology Atrial Fibrillation Total:	24 6 30
9	Built Environment	Attributes of Built Environment Road Safety Housing Equity Home Modifications Age segregation Total:	12 2 2 2 2 20
10	Oncology	Cancer Total:	19 19
11	Policy and Planning	Healthcare Financing Estimation of health demand, supply and costs Politics of Ageing Long-term Care Planning Intestacy Law Total:	9 6 1 1 1 18
12	Endocrinology	Diabetes Hyperthyroidism Total:	15 1 16

Fig. 1

Search Strategy for Scoping Review

Search String	(aged OR ageing OR aging OR elder OR elders OR elderly OR older OR geriatric OR geriatrics OR senior OR seniors OR eldercare) AND Singapore* Singapore* - stands for variants – Singapore and Singaporeans
Search Fields Searched	Title and Abstract Fields
Search Dates	1 January 2008 to 31 December 2018
Databases Searched	<ol style="list-style-type: none"> 1. CINAHL 2. Cochrane Library 3. Embase 4. Ovid - Psycarticles, Econlit, International Political Science Abstract, PsycInfo, Social Work Abstracts 5. Proquest – Sociology Database, Worldwide Political Science Abstracts, Social Science Database, International Bibliography of the Social Sciences 6. PubMed 7. Scopus 8. Web of Science
MeSH/Subject Headings	Tested but not applied as too many irrelevant results

Fig. 2

PRISMA flow diagram of the search strategy to identify relevant publications

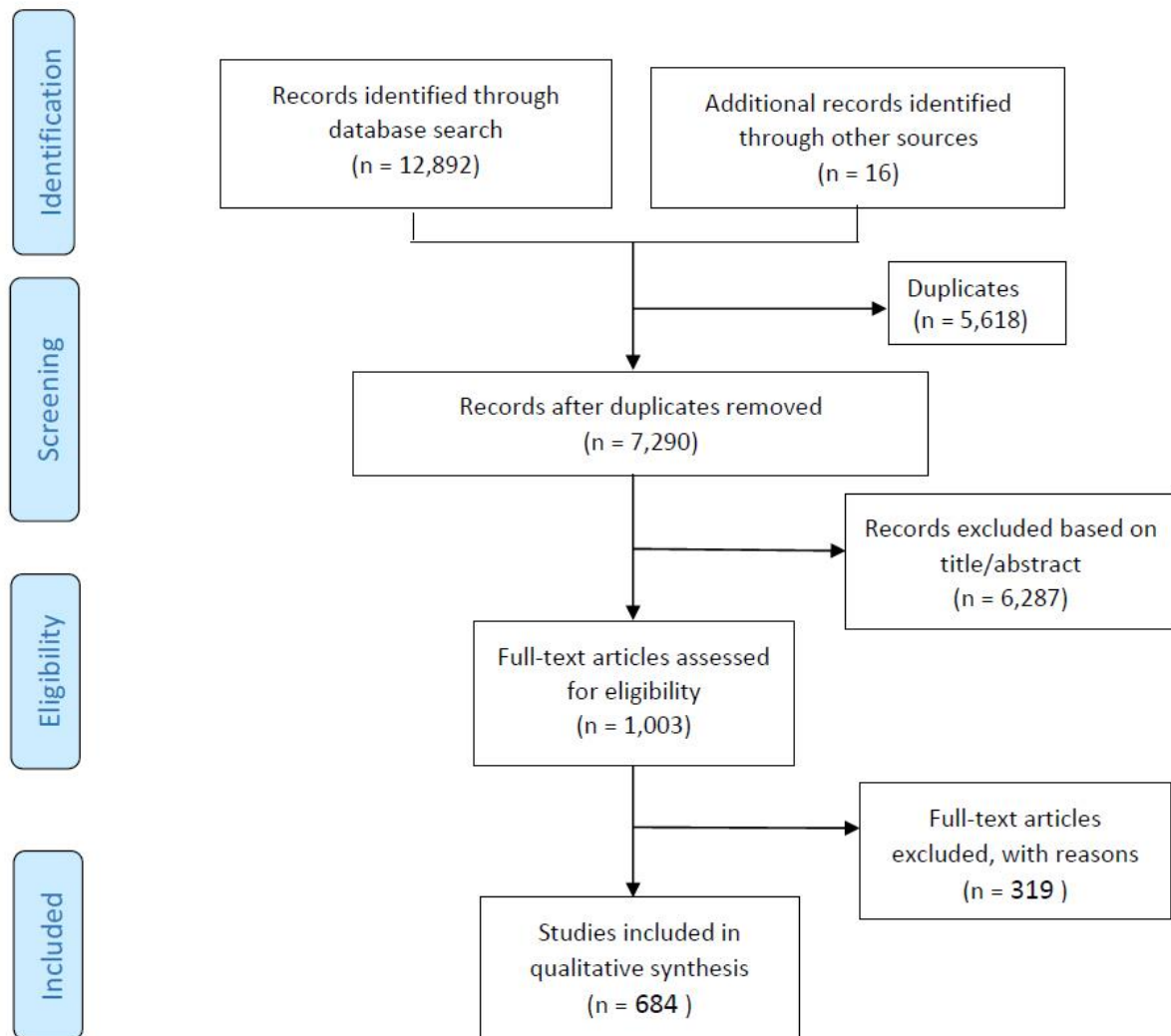
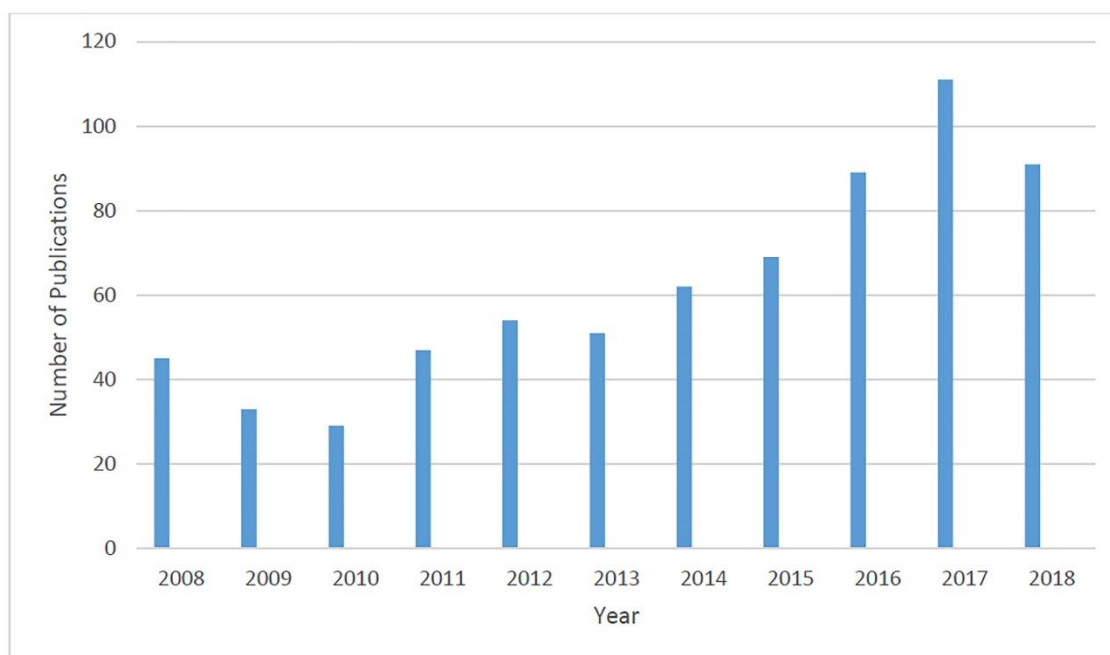


Fig. 3

Number of Included Publications by Year (2008-2018)



APPENDIX

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM
Title	1	This report is a scoping review titled "Scoping Review on Medical and Social Domains of Ageing Research in Singapore (2008-2018)".
Structured summary	2	To examine how ageing research in medical and social domains in Singapore has transformed over time, this scoping review examined the number, types and characteristics of journal publications on ageing in Singapore from 2008 to 2018. Since 2008, there has been a steady increase in the number of publications on ageing in medical and social domains in Singapore. In the medical domain, publications in the field of Ophthalmology formed the largest group of the existing medical literature on ageing in Singapore (22%). The non-medical publications comprised 38% of all the included publications with publications on the social aspects of ageing forming the largest group in this cluster (43%). Most studies were observational in study design (82%).
Rationale	3	Many existing ageing reviews are policy-centric and rely on expert assessment. There seems to be a lack of a systematic empirical enumeration of the number and type of published studies in the main domains of ageing research, including medical and social ones, which could better inform trends in the literature.
Objectives	4	This scoping review aims to find out (1) the frequency of what has been published in the medical and social domains of ageing in journals; (2) the characteristics of these studies such as their research design and use of data; (3) the trends of these publications over the last decade; and (4) the gaps in these publications.
Protocol and registration	5	Our team has drafted a review protocol. However, due to time and funding constraints, we did not publish it and it was used in the search strategy.
Eligibility criteria	6	<p>The search criteria were kept as open as possible to capture the full spectrum of literature that exists, subject to the following criteria:</p> <p>Inclusion criteria: (1) studies related to ageing in Singapore; (2) published from January 2008 to December 2018; (3) empirical research; (4) written in English; (5) studies conducted with the local general population or cohorts.</p> <p>Exclusion criteria: (1) commentaries, editorials, reviews, study protocols, book chapters, dissertations, conference papers; (2) studies that validated scales; (3) not relevant to ageing; and (4) not conducted in Singapore.</p>
Information sources*	7	In March 2018, we searched the following databases: CINAHL, Cochrane Library, Embase, Ovid, Proquest, PubMed, Scopus and Web Of Science, with publications from 2010 up to March 2018. To get a decade of ageing research publication in Singapore, another search with the same terms and database was carried out in February 2019, for earlier publications from 2008 to 2009, and from March to December 2018.
Search	8	The following search string was used: (aged OR ageing OR aging OR elder OR elders OR elderly OR older OR geriatric OR geriatrics

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM
		OR senior OR seniors OR eldercare) AND Singapore*)
Selection of sources of evidence†	9	A total of 12,908 publications were identified. In the first step of the selection, four reviewers removed the duplicates and the records were screened initially by their abstracts against the inclusion and exclusion criteria independently. In the second step, copies of full-text were retrieved and authors were contacted if the full-text were unavailable online. The full text was then screened again by the same independent reviewers using the same criteria. After completion, the reviewers discussed the papers and agreed on inclusion,
Data charting process‡	10	To chart the data from the sources of evidence, the study team created a data chart that was pilot tested by the team before use. The data charting was done independently by three reviewers.
Data items	11	These data included the title of the study, authors, year of publication, name of the journal, type of journal, study design (whether the study was cross-sectional, longitudinal, observational, interventional, qualitative or mixed methods), type of data used (quantitative, qualitative or both), cohort or study population and descriptive statistics
Critical appraisal of individual sources of evidence§	12	N/A for scoping reviews
Summary Measures	13	N/A for scoping reviews
Synthesis of results	14	Studied were categorized and coded into 29 different topic domains to synthesize the articles by topics. For the 12 domains that contained 15 or more articles, reviewers further categorized subtopics within each domain and provided descriptive summary characteristics for these domains.
Risk of Bias Across Studies	15	N/A for scoping reviews
Additional Analyses	16	N/A for scoping reviews
Selection of Sources of Evidence	17	A total of 12,908 records were identified through database search and other sources. After duplicates were removed, a total of 7,290 records were identified. Based on the titles and abstracts, 6,287 were excluded. 1,003 full-text articles were retrieved and assessed for eligibility. Of these 319 articles were excluded based on exclusion criteria, leaving 684 articles eligible for the review.
Characteristics of Sources of Evidence	18	12 domains with 15 or more articles were analyzed for descriptive summary characteristics and categorized into subtopics. As presented in Table 2 in the main text, the Social domain has the most number of articles with Caregiving, Employment, End-of-Life, Social Participation, Support and Networks and Living Arrangements as the main subtopics. Ophthalmology has the second most number of articles with Age-related Macular Degeneration as the main subtopic.

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM
		Physical Functioning has the third most number of articles with Injury as the main subtopic. Geriatrics has the fourth most number of articles with Cognition as the main subtopic.
Critical appraisal within sources of evidence	19	Optional and not done for this scoping review
Results of individual sources of evidence	20	For the Social domain of articles, most of them were on caregiving followed by employment and living arrangements. Most studies in this domain were observational. For the domain of Ophthalmology, Age-related Macular Degeneration was the most common topic of study. Most studies reported on associations and risk factors. For the domain of Physical Functioning, Injury was most studied. Most studies were observational. For the domain of Geriatrics, cognitive impairment was most studied in observational studies. In the domain of Prevention, the topic of Nutrition made up half of the articles and drawn heavily from the Singapore Chinese Health Study. In the domain of Psychiatry, depression was the major topic in observational settings. In the domain of Cardiology, studies were either observational or cost-effectiveness studies. In the domain of Built Environment, the attributes of the built environment in promoting good physical and mental health were most studied. In the domain of Oncology, most studies were observational. In the domain of Policy and Planning, half of the studies were on health financing. In the domain of Endocrinology, diabetes management were most studied in observational settings.
Synthesis of results	21	Most studies are observational with very few interventional studies. The medical publications chiefly examined associations and risk factors for various medical conditions. They were generally discipline-specific and highly specialized while the non-medical publications were more interdisciplinary.
Risk of Bias Across Studies	22	N/A for scoping reviews
Additional Analyses	23	N/A for scoping reviews
Summary of evidence	24	The medical publications are mostly observational and chiefly examined associations and risk factors for various medical conditions. They were generally discipline-specific and highly specialized. The non-medical publications were also mainly observational but were more interdisciplinary. This review showed that there were very few interventional studies (only 3% of reviewed publications) across the different research domains. There are a number of gaps in the existing research. Some specific groups of vulnerable elderly are understudied.
Limitations	25	One limitation is that the search terms may not have been comprehensive and may have missed out on studies relating to disease conditions. With the large volume of studies reviewed, there is a possibility that key publications may have been excluded. It is also possible that the search terms used such as “older” and “aged” may not be able to capture individuals who are in the young-old

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM
		category. Our review was limited to journal publications in English due to time and resource constraints and we also felt most of the published work on ageing in Singapore were predominantly in English in peer-reviewed journals. This excluded non-journal publications such as books, grey literature and non-English publications which certainly would have added to the breadth and complexity of the review. Another limitation is how the publications are classified by topics.
Conclusions	26	While ageing research had expanded in Singapore in the last decade, it was predominantly discipline-specific and observational in design. As ageing issues are complex, with biology intersecting with psychology and sociology, we call for greater interdisciplinary collaboration and interventional studies.
Funding	27	The research is supported by the Singapore Ministry of Health's National Medical Research Council under the Centre Grant Programme Singapore Population Health Improvement Centre (NMRC/CG/C026/2017_NUHS). The funders play no role in the study design, data collection and analysis, decision to publish and preparation of the manuscript.

SUPPLEMENTARY MATERIAL 1 – MEDICAL PUBLICATIONS

Topic	Study No.	Title of Study	Authors	Year	Journal
Anaesthesiology	315	Living arrangements, social networks and onset or progression of pain among older adults in Singapore	Leung YY, Teo SL, Chua MB, Raman P, Liu C, Chan A.	2016	Geriatrics & Gerontology International
Anaesthesiology	529	Chronic Pain in a Low Socioeconomic Status Population in Singapore: A Cross-Sectional Study	Liang En W, Sin D, Wen Qi C, Zong Chen L, Shibli S, Choon-Huat Koh G.	2016	Pain Med
Anaesthesiology	541	Prevalence and correlates of pain in people aged 60 years and above in Singapore: Results from the wise study	Satghare P, Chong SA, Vaingankar J, Picco L, Abdin E, Chua BY, et al.	2016	Pain Research and Management
Anaesthesiology	245	Self reported pain severity among multiethnic older Singaporeans: does adjusting for reporting heterogeneity matter	Chan A, Malhotra C, Do YK, Malhotra R, Østbye T.	2011	European Journal of Pain
Cardiology	888	Excess fat in the abdomen but not general obesity is associated with poorer metabolic and cardiovascular health in premenopausal and postmenopausal Asian women	Goh VH, Hart WG.	2018	Maturitas
Cardiology	908	Comparison of epidemiology, treatments and outcomes of ST segment elevation myocardial infarction between young and elderly patients	Pek PP, Zheng H, Ho AF, Wah W, Tan HC, Foo LL, et al.	2018	Emergency medicine journal
Cardiology	927	Prevalence of stroke, risk factors, disability and care needs in older adults in Singapore: Results from the WiSE	Teh WL, Abdin E, Vaingankar JA, Seow E, Sagayadevan V, Shafie S, et al.	2018	BMJ Open
Cardiology	437	Cost-effectiveness of sacubitril/valsartan versus enalapril in patients with heart failure and reduced ejection	Liang L, Bin-Chia Wu D, Aziz MI, Wong R, Sim D, Leong KT, et al.	2018	Journal of Medical Economics
Cardiology	457	Mid-term study of transcatheter aortic valve implantation in an Asian population with severe aortic stenosis: two-year Valve Academic Research Consortium-2 outcomes	Chew N, Hon JK, Yip WL, Chan SP, Poh KK, Kong WK, et al.	2017	Singapore Medical Journal
Cardiology	27	Age-dependent relationships between body mass index and mortality: Singapore longitudinal ageing study	Ng TP, Jin A, Chow KY, Feng L, Nyunt MS, Yap KB.	2017	Plos One
Cardiology	64	Systolic blood pressure and cardiovascular mortality in middle-aged and elderly adults - The Singapore Chinese Health Study	Koh AS, Talaei M, Pan A, Wang R, Yuan JM, Koh WP.	2016	International Journal of Cardiology
Cardiology	70	Age-Related Changes in the Cardiometabolic Profiles in Singapore Resident Adult Population: Findings from the National Health Survey 2010	Loh TP, Ma S, Heng D, Khoo CM.	2016	Plos One

Cardiology	534	The Alternative Healthy Eating Index Is Associated with a Lower Risk of Fatal and Nonfatal Acute Myocardial Infarction in a Chinese Adult Population	Neelakantan N, Naidoo N, Koh WP, Yuan JM, van Dam RM.	2016	Journal of Nutrition
Cardiology	537	Prevalence and correlates of heart disease among adults in Singapore	Picco L, Subramaniam M, Abdin E, Vaingankar JA, Chong SA.	2016	Asian Journal of Psychiatry
Cardiology	563	Longitudinal Community-Based Study of QT Interval and Mortality in Southeast Asians	Yap J, Jin AZ, Nyunt SZ, Ng TP, Richards AM, Lam CS.	2016	PLoS One
Cardiology	566	Cost-Effectiveness Analysis of Ticagrelor and Prasugrel for the Treatment of Acute Coronary Syndrome	Zhao YJ, Khoo AL, Lin L, Teng M, Wu TS, Chan MY, et al.	2016	Value in Health Regional Issues
Cardiology	520	Anticoagulation use and predictors of stroke, bleeding and mortality in multi-ethnic Asian patients with atrial fibrillation: A single centre experience	Chia PL, Teoh X, Hua CM, Ching ME, Foo D.	2016	Med J Malaysia
Cardiology	565	A Clinical Prediction Model for Postcardiac Surgery Atrial Fibrillation in an Asian Population	Zhang W, Liu W, Chew ST, Shen L, Ti LK.	2016	Anesthesia and Analgesia
Cardiology	567	Cost-effectiveness modelling of novel oral anticoagulants incorporating real-world elderly patients with atrial fibrillation	Zhao YJ, Lin L, Zhou HJ, Tan KT, Chew AP, Foo CG, et al.	2016	International Journal of Cardiology
Cardiology	54	Modelling the cost-effectiveness of pharmacist-managed anticoagulation service for older adults with atrial fibrillation in Singapore	Chua WB, Cheen HH, Kong MC, Chen LL, Wee HL.	2016	International Journal of Clinical Pharmacy
Cardiology	596	Long-term Cost-effectiveness of Statin Treatment for Primary Prevention of Cardiovascular Disease in the Elderly	Lin L, Teng M, Zhao YJ, Khoo AL, Seet RC, Yong QW, et al.	2015	Cardiovascular Drugs and Therapy
Cardiology	659	Cost-effectiveness of Dabigatran and Rivaroxaban Compared with Warfarin for Stroke Prevention in Patients with Atrial Fibrillation	Wang Y, Xie F, Kong MC, Lee LH, Ng HJ, Ko Y.	2014	Cardiovascular Drugs and Therapy
Cardiology	652	Knowledge of signs and symptoms of heart attack and stroke among Singapore residents	Quah JL, Yap S, Cheah SO, Ng YY, Goh ES, Doctor N, et al.	2014	BioMed Research International
Cardiology	713	Age at menarche and cardiovascular disease mortality in Singaporean Chinese women: the Singapore Chinese Health Study	Mueller NT, Odegaard AO, Gross MD, Koh WP, Yuan JM, Pereira MA.	2012	Annals of Epidemiology
Cardiology	714	Plasma vitamin E and coenzyme Q10 are not associated with a lower risk of acute myocardial infarction in Singapore Chinese adults	Naidoo N, van Dam RM, Koh WP, Chen C, Lee YP, Yuan JM, et al.	2012	Journal of Nutrition

Cardiology	752	An Eight Year Review of Exercise-related Cardiac Arrests	Cheah SO, Ong ME, Chuah MB.	2010	Annals Academy of Medicine Singapore
Cardiology	759	Angiographic no-reflow and six-month mortality in elderly (≥ 75 years old) Asian patients undergoing primary percutaneous coronary intervention: A single center experience from 1998 to 2007	Lee CH, Tai BC, Low AF, Teo SG, Lim YT, Tan HC.	2010	Acute Cardiovascular Care
Cardiology	B-007	Retinal vascular caliber and extracranial carotid disease in patients with acute ischemic stroke: The multi-centre retinal stroke (mcrcs) study	De Silva DA, Liew G, Wong MC, Chang HM, Chen C, Wang JJ, et al.	2009	Stroke
Cardiology	B-008	Serum erythrocyte sedimentation rate is higher among ethnic South Asian compared to ethnic Chinese ischemic stroke patients	De Silva DA, Woon FP, Chen C, Chang HM, Wong MC	2009	Journal of the Neurological Sciences
Cardiology	B-030	Characteristics, and disease control and complications of hypertensive patients in primary-care - a community-based study in Singapore	Tan EK, Chung WL, Lew YJ, Chan MY, Wong TY, Koh WP.	2009	Annals of the Academy of Medicine Singapore
Cardiology	A-043	Low prevalence of atrial fibrillation in community-dwelling Chinese aged 55 years or older in Singapore: a population-based study	Yap KB, Ng TP, Ong HY.	2008	Journal of Electrocardiology
Cardiology	A-010	Concomitant coronary artery disease among Asian ischaemic stroke patients	De Silva DA, Woon FP, Moe KT, Chen CL, Chang HM, Wong MC.	2008	Annals of the Academy of Medicine Singapore
Cardiology	A-011	Arterial stiffness is associated with raised levels of the inflammatory marker erythrocyte sedimentation rate among ischaemic stroke patients	De Silva DA, Woon FP, Gan HY, Chen C, Chang HM, Cameron J, et al.	2008	Internal Medicine Journal
Cardiology	A-019	The metabolic syndrome and mortality: The Singapore Cardiovascular Cohort Study	Lee J, Heng D, Ma S, Chew SK, Hughes K, Tai ES	2008	Clinical Endocrinology
Dentistry	891	The association between oral health status and respiratory pathogen colonization with pneumonia risk in institutionalized adults	Hong CH, Aung MM, Kanagasabai K, Lim CA, Liang S, Tan KS.	2018	International journal of dental hygiene
Dentistry	12	Dental health status of community-dwelling older Singaporeans: findings from a nationally representative survey	Chiu CT, Malhotra R, Tan SM, Lim J, Chan A, et al.	2017	Gerodontology
Dentistry	79	Differences in willingness to pay for an extraction, a filling, and cleaning teeth at various levels of oral health-related quality of life, as measured by oral impacts on daily performance, among older adults in Singapore	Nair R, Yee R.	2016	Singapore Dental Journal

Dentistry	525	Correlates of attitudes and perceived behavioural control towards oral care provision among trained and untrained nursing home caregivers in Singapore	Goh CE, Guay MP, Lim MY, Lim SM, Loke SY, Toh HE, et al.	2016	Journal of Clinical Nursing
Dentistry	160	Oral health status and complete denture status of independent-living Singaporean elderly residing in a community home	Na TM, Nair R, Di Ying JN, Yee R.	2014	Singapore Dental Journal
Dermatology	452	Adult Henoch-Schonlein purpura: Clinical and histopathological predictors of systemic disease and profound renal disease	Cao R, Lau S, Tan V, Tey HL.	2017	Indian Journal of Dermatology, Venereology and Leprology
Dermatology	517	The prevalence of skin tears in the acute care setting in singapore	Chang YY, Carville K, Tay AC.	2016	International Wound Journal
Dermatology	555	Elderly Hospitalised Patients-The Impact of Itch and its Prevalence	Teoh YL, Teo RY, Yeo B, Lim KH, Koh MJ.	2016	Annals of the Academy of Medicine of Singapore
Endocrinology	920	Perceptions of Diabetes Self-Care Management among Older Singaporeans with Type 2 Diabetes: A Qualitative Study	Tan CC, Cheng KK, Sum CF, Shew JS, Holydard E, Wenru WA.	2018	Journal of Nursing Research
Endocrinology	924	Sleep Duration and Diabetic Kidney Disease	Tan NY, Chan J, Cheng CY, Wong TY, Sabanayagam C.	2018	Frontiers in endocrinology
Endocrinology	925	Associations between sleep duration, sleep quality and diabetic retinopathy	Tan NY, Chew M, Tham YC, Nguyen QD, Yasuda M, Cheng CY, et al.	2018	PLoS One
Endocrinology	448	Influence of temperate, subtropical, and tropical fruit consumption on risk of type 2 diabetes in an Asian population	Alperet DJ, Butler LM, Koh WP, Yuan JM, Van Dam RM.	2017	American Journal of Clinical Nutrition
Endocrinology	472	Assessing oral medication adherence among patients with type 2 diabetes mellitus treated with polytherapy in a developed Asian community: a cross-sectional study	Lee CS, Tan JH, Sankari U, Koh YL, Tan NC.	2017	BMJ Open
Endocrinology	504	Fruit form Influences Postprandial Glycemic Response in Elderly and Young Adults	Tey SL, Lee DE, Henry CJ.	2017	The Journal of Nutrition, Health and Aging
Endocrinology	495	Comorbid Diabetes and Depression among Older Adults - Prevalence, Correlates, Disability and Healthcare Utilisation	Subramaniam M, Abdin E, Vaingankar JA, Picco L, Seow E, Chua BY, et al.	2017	Annals of the Academy of Medicine of Singapore
Endocrinology	618	Natural history and comorbidities of subjects with subclinical hyperthyroidism: analysis at a tertiary hospital setting	Shakoor SA, Hawkins R, Kua SY, Ching ME, Dalan R.	2014	Annals of the Academy of Medicine of Singapore

Endocrinology	674	Diabetes mellitus and risk of hepatocellular carcinoma: findings from the Singapore Chinese Health Study	Koh WP, Wang R, Jin A, Yu MC, Yuan JM.	2013	British Journal of Cancer
Endocrinology	192	Diabetes is nothing': the experience of older Singaporean women living and coping with type 2 diabetes.	Li J, Drury V, Taylor B.	2013	Contemporary nurse
Endocrinology	242	Geriatric syndromes and depressed mood in lower-income Singaporeans with diabetes: implications for diabetes management and health promotion	Wong LY, Heng BH, Ng CW, Molina JA, George PP, Cheah JT.	2012	Annals of the Academy of Medicine of Singapore
Endocrinology	725	The burden of diabetes mellitus in elderly patients from an Asian tertiary hospital	Yang Y, Goh SY, Tan SB, Ho HJ, Emmanuel S, Wang P, et al.	2012	European Journal of Internal Medicine
Endocrinology	743	HbA1c may not be a sensitive determinant of diabetic status in the elderly	Tay TL, Foo JP, Tan E, Chen R, Khoo J, Soh SB, et al.	2011	Diabetes Research and Clinical Practice
Endocrinology	757	Glycemic and blood pressure control in an asian malay population with diabetes and diabetic retinopathy	Huang OS, Lamoureux EL, Tay WT, Tai ES, Wang JJ, Wong TY.	2010	Archives of Ophthalmology
Endocrinology	763	Peripheral Arterial Disease in Community-based Patients with Diabetes in Singapore: Results from a Primary Healthcare Study	Narayanan RM, Koh WP, Phang J, Subramaniam T.	2010	Annals Academy of Medicine Singapore
Endocrinology	B-026	Prevalence of diabetes mellitus, glycemic control, and associated factors in a malay population in Singapore	Sabanayagam C, Shankar A, Saw SM, Tai ES, Lim SC, Lee JJ, et al.	2009	Asia-Pacific Journal of Public Health
Ear, Nose & Throat	436	Hearing impairment and hearing aid usage in Singapore	Ho EC, Zhang H, Ong WM, Li K, Bei YT, Medapati SV, et al.	2018	International Journal of Audiology
Ear, Nose & Throat	473	Hearing Loss amongst the Elderly in a Southeast Asian Population - A Community-based Study	Lee JC, Danker AN, Wong YH, Lim MY.	2017	Annals of the Academy of Medicine of Singapore
Ear, Nose & Throat	551	Investigating the risk factors of vestibular dysfunction and the relationship with presbycusis in Singapore	Tan JL, Tang J, Lo S, Yeak S.	2016	The Journal of Laryngology & Otology
Gastroenterology	874	An unusual outbreak of rotavirus G8P[8] gastroenteritis in adults in an urban community, Singapore, 2016	Chia G, Ho HJ, Ng CG, Neo FJ, Win MK, Cui L, et al.	2018	Journal of Clinical Virology
Gastroenterology	573	Epidemiology and Clinical Evolution of Liver Cirrhosis in Singapore	Chang PE, Wong GW, Li JW, Lui HF, Chow WC, Tan CK.	2015	Annals Academy of Medicine Singapore
Gastroenterology	635	Coffee, alcohol and other beverages in relation to cirrhosis mortality: the Singapore Chinese Health Study	Goh GB, Chow WC, Wang R, Yuan JM, Koh WP.	2014	Hepatology
Gastroenterology	732	The changing trend of diverticular disease in a developing nation	Fong SS, Tan EY, Foo A, Sim R, Cheong DM.	2011	Colorectal Disease
Geriatric - Bone health	859	Association of plasma lipids and polar metabolites with low bone mineral density in Singaporean-Chinese menopausal women: A pilot study	Cabrera D, Kruger M, Wolber FM, Roy NC, Totman JJ, Henry CJ, et al.	2018	International Journal of Environmental Research and Public Health

Geriatric - Bone health	58	Aging and bone health in Singaporean Chinese pre-menopausal and postmenopausal women.	V. H. Goh and W. G. Hart	2016	Maturitas
Geriatric - Bone health	59	Aging, lifestyle factors, hormones and bone health in Singaporean men	V. H. Goh and W. G. Hart	2016	Bone Reports
Geriatric - Bone health	726	Densitometry trends in postmenopausal Asian women undergoing bisphosphonate treatment	Ang CL, Singh G, Goh AS, Shen L, Tay BK.	2011	Singapore Medical Journal
Geriatrics - Cognition	864	Associations of long-term tea consumption with depressive and anxiety symptoms in community-living elderly: Findings from the diet and healthy aging study	Chan SP, Yong PZ, Sun Y, Mahendran R, Wong JC, Qiu C, et al.	2018	Journal of Prevention of Alzheimer's Disease
Geriatric - Cognition	878	Strong relationship between malnutrition and cognitive frailty in the Singapore longitudinal ageing studies (SLAS-1 and SLAS-2)	Chye L, Wei K, Nyunt MS, Gao Q, Wee SL, Ng TP.	2018	Journal of Prevention of Alzheimer's Disease
Geriatric - Cognition	885	Mild Cognitive Impairment Reversion and Progression: Rates and Predictors in Community-Living Older Persons in the Singapore Longitudinal Ageing Studies Cohort	Gao Q, Gwee X, Feng L, Nyunt MS, Feng L, Collinson SL, et al.	2018	Dementia and Geriatric Cognitive Disorders Extra
Geriatric - Cognition	14	Physical Frailty, Cognitive Impairment, and the Risk of Neurocognitive Disorder in the Singapore Longitudinal Ageing Studies	Feng L, Nyunt MS, Gao Q, Feng L, Lee TS, Tsoi T, et al.	2017	The journals of gerontology. Series A, Biological sciences and medical sciences
Geriatric - Cognition	15	Cognitive Frailty and Adverse Health Outcomes: Findings From the Singapore Longitudinal Ageing Studies (SLAS)	Feng L, Nyunt MS, Gao Q, Feng L, Yap KB, Ng TP.	2017	Journal of the American Medical Directors Association
Geriatric - Cognition	37	Developing and validating a localised, self-training mindfulness programme for older Singaporean adults: effects on cognitive functioning and implications for healthcare	Tam BW, Lo DR, Seah DW, Lee JX, Foo ZF, Poh ZY, et al.	2017	Singapore Dental Journal
Geriatric - Cognition	460	Depressive Symptoms Increase the Risk of Mild Neurocognitive Disorders among Elderly Chinese	Feng L, Lim WS, Chong MS, Lee TS, Gao Q, Nyunt MS, et al.	2017	The Journal of Nutrition, Health and Aging
Geriatric - Cognition	479	Age-related cognitive decline and associations with sex, education and apolipoprotein E genotype across ethnocultural groups and geographic regions: a collaborative cohort study	Lipnicki DM, Crawford JD, Dutta R, Thalamuthu A, Kochan NA, Andrews G, et al.	2017	PLOS Medicine
Geriatric - Cognition	485	Characterisation of Physical Frailty and Associated Physical and Functional Impairments in Mild Cognitive	Nyunt MS, Soh CY, Gao Q, Gwee X, Ling AS, Lim WS, et al.	2017	Frontiers in Medicine

Geriatric - Cognition	476	Longitudinal brain structure and cognitive changes over 8 years in an East Asian cohort	Leong RL, Lo JC, Sim SK, Zheng H, Tandil J, Zhou J, et al.	2017	Neuroimage
Geriatric - Cognition	518	Ergothioneine levels in an elderly population decrease with age and incidence of cognitive decline; a risk factor for neurodegeneration?	Cheah IK, Feng L, Tang RM, Lim KH, Halliwell B.	2016	Biochemical and Biophysical Research Communications
Geriatric - Cognition	56	Tea consumption reduces the incidence of neurocognitive disorders: Findings from the singapore longitudinal aging study	Feng L, Chong MS, Lim WS, Gao Q, Nyunt MS, Lee TS, et al.	2016	Journal of Nutrition Health & Aging
Geriatric - Cognition	57	Novel inflammatory markers associated with cognitive performance: Singapore Longitudinal Ageing Studies	Gao Q, Camous X, Lu YX, Lim ML, Larbi A, Ng TP.	2016	Neurobiology of Aging
Geriatric - Cognition	113	Vascular Health Indices and Cognitive Domain Function: Singapore Longitudinal Ageing Studies.	Lim SL, Gao Q, Nyunt MS, Gong L, Lunaria JB, Lim ML, et al.	2015	Journal of Alzheimer's Disease
Geriatric - Cognition	585	Subcortical Atrophy in Cognitive Impairment and Dementia	Hilal S, Amin SM, Venketasubramanian N, Niessen WJ, Vrooman H, Wong TY, et al.	2015	Journal of Alzheimers Disease
Geriatric - Cognition	586	Markers of Cardiac Dysfunction in Cognitive Impairment and Dementia	Hilal S, Chai YL, Ikram MK, Elangovan S, Yeow TB, Xin X, et al.	2015	Medicine
Geriatric - Cognition	614	Association of neuropsychiatric symptoms and sub-syndromes with cognitive impairment in community-dwelling Asian elderly	Xu X, Ang SL, Hilal S, Chan QL, Wong TY, Venketasubramanian N, et al.	2015	International Psychogeriatrics
Geriatric - Cognition	592	A pilot randomized controlled trial using EEG-based brain-computer interface training for a Chinese-speaking group of healthy elderly	Lee TS, Quek SY, Goh SJ, Phillips R, Guan C, Cheung YB, et al.	2015	Clinical Interventions in Aging
Geriatric - Cognition	633	Marital Status and Cognitive Impairment among Community-Dwelling Chinese Older Adults: The Role of Gender and Social Engagement	Feng L, Ng XT, Yap P, Li J, Lee TS, Håkansson K, et al.	2014	Dementia and Geriatric Cognitive Disorders Extra
Geriatric - Cognition	649	Long-term metformin usage and cognitive function among older adults with diabetes	Ng TP, Feng L, Yap KB, Lee TS, Tan CH, Winblad B.	2014	Journal of Alzheimer's Disease
Geriatric - Cognition	638	Ankle-brachial index, cognitive impairment and cerebrovascular disease in a Chinese population	Hilal S, Saini M, Tan CS, Catindig JA, Dong YH, Leon LB, et al.	2014	Neuroepidemiology
Geriatric - Cognition	188	Metabolic syndrome and amnesic mild cognitive impairment: Singapore longitudinal ageing study-2 findings	Feng L, Chong MS, Lim WS, Lee TS, Collinson SL, Yap P, et al.	2013	Journal of Alzheimer's Disease

Geriatric - Cognition	670	Prevalence of cognitive impairment in Chinese: epidemiology of dementia in Singapore study	Hilal S, Ikram MK, Saini M, Tan CS, Catindig JA, Dong YH, et al.	2013	Journal of Neurology, Neurosurgery, and Psychiatry
Geriatric - Cognition	676	Age-related decline in associative learning in healthy Chinese adults	Lee A, Archer J, Wong CK, Chen SH, Qiu A.	2013	PLoS One
Geriatric - Cognition	410	Individual and Area Level Socioeconomic Status and Its Association with Cognitive Function and Cognitive Impairment (Low MMSE) among Community-Dwelling Elderly in Singapore.	Wee LE, Yeo WX, Yang GR, Hannan N, Lim K, Chua C, et al.	2012	Dementia and Geriatric Cognitive Disorders Extra
Geriatric - Cognition	215	Pulmonary function and cognitive decline in an older Chinese population in Singapore	Feng L, Lim ML, Collinson S, Ng TP.	2012	COPD
Geriatric - Cognition	216	Kidney Function and Cognitive and Functional Decline in Elderly Adults: Findings from the Singapore Longitudinal Aging Study	Feng L, Yap KB, Yeoh LY, Ng TP.	2012	Journal of the American Geriatrics Society
Geriatric - Cognition	255	Stakeholders' perspective on issues and challenges associated with care and treatment of aging-related cognitive impairment disorders in Singapore	Setia M, Islam AM, Thompson JP, Matchar DB.	2011	International Psychogeriatrics
Geriatric - Cognition	247	Omega-3 Polyunsaturated fatty acid supplements and cognitive decline: Singapore longitudinal aging studies	Gao Q, Niti M, Feng L, Yap KB, Ng TP.	2011	Journal of Nutrition Health & Aging
Geriatric - Cognition	264	Cognitive function and tea consumption in community dwelling older Chinese in Singapore	Feng L, Gwee XI, Kua EH, Ng TP.	2010	The Journal of Nutrition, Health and Aging
Geriatric - Cognition	B-010	Vitamin B-12, apolipoprotein E genotype, and cognitive performance in community-living older adults: evidence of a gene-micronutrient interaction	Feng L, Li J, Yap KB, Kua EH, Ng TP.	2009	American Journal of Clinical Nutrition
Geriatrics - Cognition	B-020	APOE-ε4, Depressive Symptoms, and Cognitive Decline in Chinese Older Adults: Singapore Longitudinal Aging Studies	Niti M, Yap KB, Kua EH, Ng TP.	2009	Journals of Gerontology Series A: Biological Sciences & Medical
Geriatric - Cognition	A-015	Metabolic syndrome and cognitive decline in chinese older adults: Results from the singapore longitudinal ageing studies	Ho RC, Niti M, Yap KB, Kua EH, Ng TP.	2008	American Journal of Geriatric Psychiatry
Geriatrics - Cognition	A-023	Albumin, haemoglobin, BMI and cognitive performance in older adults	Ng TP, Feng L, Niti M, Yap KB.	2008	Age and Ageing
Geriatrics - Cognition	A-025	Physical, social and productive leisure activities, cognitive decline and interaction with APOE-epsilon 4 genotype in Chinese older adults	Niti M, Yap KB, Kua EH, Tan CH, Ng TP.	2008	International Psychogeriatrics

Geriatric - Dementia	914	General Practitioner's Attitudes and Confidence in Managing Patients with Dementia in Singapore	Subramaniam M, Ong HL, Abdin E, Chua BY, Shafie S, Siva Kumar FD, et al.	2018	Annals of the Academy of Medicine, Singapore
Geriatric - Dementia	940	Prevalence of Dementia and Cognitive Assessment Audit of Patients in Geriatric Medicine Wards in a Hospital in Singapore	Yoon PS	2018	Alzheimer's and Dementia
Geriatric - Dementia	17	Hearing Loss and Risk of Mild Cognitive Impairment and Dementia: Findings from the Singapore Longitudinal Ageing Study	Heywood R, Gao Q, Nyunt MS, Feng L, Chong MS, Lim WS, et al.	2017	Dementia & Geriatric Cognitive Disorders
Geriatric - Dementia	20	The relationship among unawareness of memory impairment, depression, and dementia in older adults with memory impairment in Singapore	Liu J, Abdin E, Vaingankar JA, Shafie SB, Jeyagurunathan A, Shahwan S, et al.	2017	Psychogeriatrics
Geriatric - Dementia	32	Psychosocial Risk and Protective Factors and Incident Mild Cognitive Impairment and Dementia in Community Dwelling Elderly: Findings from the Singapore Longitudinal Ageing Study	Rawtaer I, Gao Q, Nyunt MS, Feng L, Chong MS, Lim WS, et al.	2017	Journal of Alzheimer's Disease
Geriatric - Dementia	42	Behavioral and psychological symptoms of dementia: prevalence, symptom groups and their correlates in community-based older adults with dementia in	Vaingankar JA, Chong SA, Abdin E, Picco L, Jeyagurunathan A, Seow E, et al.	2017	International Psychogeriatrics
Geriatric - Dementia	445	The mediational role of physical activity, social contact and stroke on the association between age, education, employment and dementia in an Asian older adult population	Abdin E, Chong SA, Peh CX, Vaingankar JA, Chua BY, Verma S, et al.	2017	BMC Psychiatry
Geriatric - Dementia	464	Prevalence of Cognitive Impairment and Dementia in Malays - Epidemiology of Dementia in Singapore Study	Hilal S, S Tan C, Xin X, M Amin S, Y Wong T, Chen C, et al.	2017	Current Alzheimer Research
Geriatric - Dementia	53	Diagnosis of dementia by medical practitioners: a national study among older adults in Singapore	Chong SA, Abdin E, Vaingankar J, Ng LL, Subramaniam M.	2016	Aging & Mental Health
Geriatric - Dementia	82	Cognitive health of older persons in longitudinal ageing cohort studies	Pin N.	2016	Sains Malaysiana
Geriatric - Dementia	83	Metabolic Syndrome and the Risk of Mild Cognitive Impairment and Progression to Dementia: Follow-up of the Singapore Longitudinal Ageing Study Cohort.	Ng TP, Feng L, Nyunt MS, Feng L, Gao Q, Lim ML, et al.	2016	JAMA Neurol
Geriatric - Dementia	90	Profile of the Paraoxonase 1 (PON1) Gene 192Q/R Polymorphism and Clinical Associations among Older Singaporean Chinese with Alzheimer's and Mixed Dementia	Seow DC, Gao Q, Yap P, Gan JM, Chionh HL, Lim SC, et al.	2016	Dementia and Geriatric Cognitive Disorders Extra

Geriatric - Dementia	606	Prevalence of Dementia in People Aged 60 Years and Above: Results from the WiSE Study	Subramaniam M, Chong SA, Vaingankar JA, Abdin E, Chua BY, Chua	2015	Journal of Alzheimer's Disease
Geriatric - Dementia	721	The Lay Public's Understanding and Perception of Dementia in a Developed Asian Nation	Tan WJ, Hong SI, Luo N, Lo TJ, Yap P.	2012	Dementia and Geriatric Cognitive Disorders Extra
Geriatric - Dementia	A-027	Ethnic differences in Singapore's dementia prevalence: the stroke, Parkinson's disease, epilepsy, and dementia in Singapore study	Sahadevan S, Saw SM, Gao W, Tan LC, Chin JJ, Hong CY, et al.	2008	Journal of the American Geriatrics Society
Geriatric - Frailty	932	Association of Frailty and Malnutrition With Long-term Functional and Mortality Outcomes Among Community-Dwelling Older Adults: Results From the Singapore Longitudinal Aging Study 1	Wei K, Gao Q, Wee SL, Yap KB, Ng TP.	2018	JAMA network open
Geriatric - Frailty	933	Nutritional and Frailty State Transitions in the Singapore Longitudinal Aging Study	Wei K, Thein FS, Nyunt MS, Gao Q, Wee SL, Ng TP.	2018	Journal of Nutrition, Health & Aging
Geriatric - Frailty	24	Singapore Healthy Older People Everyday (HOPE) Study: Prevalence of Frailty and Associated Factors in Older Adults	Merchant RA, Chen MZ, Tan LW, Lim MY, Ho HK, van Dam RM.	2017	Journal of the American Medical Directors Association
Geriatric - Frailty	41	Prevalence of frailty and its association with sociodemographic and clinical characteristics, and resource utilization in a population of Singaporean older adults	Vaingankar JA, Chong SA, Abdin E, Picco L, Chua BY, Shafie S, et al.	2017	Geriatrics & Gerontology International
Geriatric - Frailty	44	Frailty and Malnutrition: Related and Distinct Syndrome Prevalence and Association among Community-Dwelling Older Adults: Singapore Longitudinal Ageing Studies	Wei K, Nyunt MS, Gao Q, Wee SL, Ng TP.	2017	Journal of the American Medical Directors Association
Geriatric - Frailty	295	Social Frailty and Functional Disability: Findings From the Singapore Longitudinal Ageing Studies	Teo N, Gao Q, Nyunt MS, Wee SL, Ng TP.	2017	Journal of the American Medical Directors Association
Geriatric - Frailty	500	Screening for Frailty and Sarcopenia Among Older Persons in Medical Outpatient Clinics and its Associations With Healthcare Burden	an LF, Lim ZY, Choe R, Seetharaman S, Merchant R.	2017	Journal of the American Medical Directors Association
Geriatric - Frailty	71	Inflammatory and immune markers associated with physical frailty syndrome: findings from Singapore longitudinal aging studies	Lu Y, Tan CT, Nyunt MS, Mok EW, Camous X, Kared H, et al.	2016	Oncotarget
Geriatric - Frailty	118	Markers of T-cell senescence and physical frailty: insights from Singapore Longitudinal Ageing Studies	Ng TP, Camous X, Nyunt MS, Vasudev A, Tan CT, Feng L, et al.	2015	NPJ Aging and Mechanisms of Disease

Geriatric - Frailty	601	Nutritional, Physical, Cognitive, and Combination Interventions and Frailty Reversal Among Older Adults: A Randomized Controlled Trial	Ng TP, Feng L, Nyunt MS, Feng L, Niti M, Tan BY, et al.	2015	The American Journal of Medicine
Geriatric - Frailty	145	Frailty Predicts New and Persistent Depressive Symptoms Among Community-Dwelling Older Adults: Findings From Singapore Longitudinal Aging Study.	Feng L, Nyunt MS, Feng L, Yap KB, Ng TP.	2014	Journal of the American Medical Directors Association
Geriatric - Frailty	720	Assessment for frailty is useful for predicting morbidity in elderly patients undergoing colorectal cancer resection whose comorbidities are already optimized	Tan KY, Kawamura YJ, Tokomitsu A, Tang T.	2012	The American Journal of Surgery
Geriatric - Vitamin D	481	Prevalence and Determinants of Suboptimal Vitamin D Levels in a Multiethnic Asian Population	Man RE, Li LJ, Cheng CY, Wong TY, Lamoureux E, Sabanayagam C.	2017	Nutrients
Geriatric - Vitamin D	80	Prevalence of Vitamin D Deficiency in Elderly Patients Admitted to an Inpatient Rehabilitation Unit in Tropical Singapore.	Neo JJ, Kong KH.		Rehabilitation Research and Practice
Geriatric - Vitamin D	202	Genetic and environmental predictors of serum 25-hydroxyvitamin D concentrations among middle-aged and elderly Chinese in Singapore	Robien K, Butler LM, Wang R, Beckman KB, Walek D, Koh WP, et al.	2013	British Journal of Nutrition
Infectious disease	578	Mortality Benefits of Antibiotic Computerised Decision Support System: Modifying Effects of Age	Chow AL, Lye DC, Arah OA.	2015	Scientific Reports
Infectious disease	658	Multidrug-resistant gram-negative bloodstream infections among residents of long-term care facilities	Venkatachalam I, Yang HL, Fisher D, Lye DC, Moi Lin L, Tambyah P.	2014	Infection Control & Hospital Epidemiology
Infectious disease - Dengue	210	High rates of inapparent dengue in older adults in Singapore.	Yap G, Li C, Mutalib A, Lai YL, Ng LC.	2013	The American Journal of Tropical Medicine and Hygiene
Infectious disease - Dengue	273	The benign nature of acute dengue infection in hospitalized older adults in Singapore	Lye DC, Lee VJ, Sun Y, Leo YS.	2010	International Journal of Infectious Diseases
Infectious disease - Dengue	B-035	Seroepidemiology of dengue virus infection among adults in Singapore	Yew YW, Ye T, Ang LW, Ng LC, Yap G, James L, et al.	2009	Annals of the Academy of Medicine, Singapore
Infectious disease - HIV/AIDS	220	Presentation and Outcome Amongst Older Singaporeans Living with Human Immunodeficiency Virus/Acquired Immunodeficiency Syndrome (HIV/AIDS): Does Age Alone Drive Excess Mortality?	Huggan PJ, Foo RM, Olszyna D, Chew NS, Smitasen N, Mukhopadhyay A, et al.	2012	Annals of the Academy of Medicine of Singapore

Infectious disease - HIV/AIDS	224	Older Age at Initial Presentation to Human Immunodeficiency Virus (HIV) Care and Treatment at the Communicable Disease Centre (CDC) in Singapore, 2006 to 2011	Lee LK, Seinn OP, Ng OT, Lee CC, Leo YS, Chua AC.	2012	Annals Academy of Medicine Singapore
Infectious disease - Influenza	620	Influenza-associated hospitalizations, Singapore, 2004-2008 and 2010-2012	Ang LW, Lim C, Lee VJ, Ma S, Tiong WW, Ooi PL, et al.	2014	Emerging Infectious Diseases
Infectious disease - Influenza	705	Comparison of neutralizing antibody and cell-mediated immune responses to pandemic H1N1 2009 influenza virus before and after H1N1 2009 influenza vaccination of elderly subjects and healthcare workers	Hsu JP, Phoon MC, Koh GC, Chen MI, Lee VJ, Wu Y, et al.	2012	International Journal of Infectious Diseases
Infectious disease - Tuberculosis	36	Tea Drinking and Its Association with Active Tuberculosis Incidence among Middle-Aged and Elderly Adults: The Singapore Chinese Health Study	Soh AZ, Pan A, Chee CB, Wang YT, Yuan JM, Koh WP.	2017	Nutrients
Infectious disease - Tuberculosis	589	Tuberculosis trends over a five-year period at a tertiary care university-affiliated hospital in Singapore	Jappar SB, Low SY.	2015	Singapore Medical Journal
Medication	22	Bilingual Text With or Without Pictograms Improves Elderly Singaporeans' Understanding of Prescription Medication Labels	Malhotra R, Bautista MA, Tan NC, Tang WE, Tay S, Tan AS, et al.	2017	Gerontologist
Medication	619	Proton pump inhibitors: Are we still prescribing them without valid indications?	Akram F, Huang Y, Lim V, Huggan PJ, Merchant RA.	2014	Australasian Medical Journal
Medication	751	An Asian viewpoint on the use of vitamin D and calcium in osteoporosis treatment: Physician and patient attitudes and beliefs	Chan SP, Scott BB, Sen SS.	2010	BMC Musculoskeletal Disorders
Medicine - Hypertension	55	Body mass index, waist-hip ratio and risk of chronic medical condition in the elderly population: results from the Well-being of the Singapore Elderly (WiSE) Study	Fauziana R, Jeyagurunathan A, Abdin E, Vaingankar J, Sagayadevan V, Shafie S, et al.	2016	BMC Geriatrics
Medicine - Hypertension	67	Correlation between tea consumption and prevalence of hypertension among Singaporean Chinese residents aged ≥ 40 years	Li W, Yang J, Zhu XS, Li SC, Ho PC.	2016	Journal of Human Hypertension
Medicine - Hypertension	125	Hypertension and its associated risks among Singapore elderly residential population.	Seow LS, Subramaniam M, Abdin E, Vaingankar JA, Chong SA.	2015	Journal of Clinical Gerontology and Geriatrics
Medicine - Hypertension	274	Prevalence, awareness, treatment and control of hypertension in the elderly population of Singapore	Malhotra R, Chan A, Malhotra C, Østbye T.	2010	Hypertension Research

Medicine - Orthostatic hypotension	30	Prevalence and associative factors of orthostatic hypotension in older adults: Results from the Well-being of the Singapore Elderly (WiSE) study	Ong HL, Abdin E, Seow E, Pang S, Sagayadevan V, Chang S, et al.	2017	Archives of Gerontology and Geriatrics
Medicine - Orthostatic hypotension	568	Orthostatic hypotension: prevalence and associated risk factors among the ambulatory elderly in an Asian population	Zhu QO, Tan CS, Tan HL, Wong RG, Joshi CS, Cuttilan RA, et al.	2016	Singapore Medical Journal
Medicine - Pneumonia	512	Prognostic factors for mortality due to pneumonia among adults from different age groups in Singapore and mortality predictions based on PSI and CURB-65	Zhang ZX, Yong Y, Tan WC, Shen L, Ng HS, Fong KY.	2017	Singapore Medical Journal
Medicine - Pneumonia	702	Short-term mortality among older persons hospitalized for pneumonia: influence of baseline patient characteristics beyond severity of illness	Ding YY, Abisheganaden J, Chong WF, Heng BH, Lim TK.	2012	Journal of Hospital Medicine
Medicine - Preoperative anemia, mean corpuscular volume and red cell distribution	492	Prevalence of preoperative anemia, abnormal mean corpuscular volume and red cell distribution width among surgical patients in Singapore, and their influence on one year mortality	Sim YE, Wee HE, Ang AL, Ranjakunalan N, Ong BC, Abdullah HR.	2017	PLoS One
Medicine - Thiazide diuretics	25	A retrospective case-control study evaluating thiazide-induced hyponatraemia-related hospitalisation among older Singaporeans	Abdul Naseer JF, Chen LL, Gui HS, Ong KY, Cheen MH, Mamun K.	2017	Proceedings of Singapore Healthcare
Medicine - Venous Thromboembolism	609	The incidence of clinically significant venous thromboembolism in an Asian population after major hepatobiliary and pancreatic surgery	Toh BC, Pang TC, Woon WW, Yeo DX, Lee YZ, Junnarkar SP, et al.	2015	International Journal of Hepatobiliary and Pancreatic Diseases
Nephrology - Chronic kidney disease	884	Understanding factors that influence the demand for dialysis among elderly in a multi-ethnic Asian society	Finkelstein EA, Ozdemir S, Malhotra C, Jafar TH, Lin LC, Wen SG.	2018	Health Policy
Nephrology - Chronic kidney disease	896	Consumption of Coffee but Not of Other Caffeine-Containing Beverages Reduces the Risk of End-Stage Renal Disease in the Singapore Chinese Health Study	Lew QL, Jafar TH, Jin A, Yuan JM, Koh WP.	2018	The Journal of nutrition
Nephrology - Chronic kidney disease	921	Determinants of Regret in Elderly Dialysis Patients	Tan EG, Teo I, Finkelstein EA, Meng CC.	2018	Nephrology (Carlton, Vic)
Nephrology - Chronic kidney disease	561	Increased Burden of Vision Impairment and Eye Diseases in Persons with Chronic Kidney Disease - A Population-Based Study	Wong CW, Lamoureux EL, Cheng CY, Cheung GC, Tai ES, Wong TY, et al.	2016	EBioMedicine
Nephrology - Chronic kidney disease	668	Depressive symptoms in older adults with chronic kidney disease: mortality, quality of life outcomes, and	Feng L, Yap KB, Ng TP.	2013	The American Journal of Geriatric Psychiatry

Nephrology - Chronic kidney disease	684	Trajectory of Quality of Life for Poor Prognosis Stage 5D Chronic Kidney Disease with and without Dialysis	Seow YY, Cheung YB, Qu LM, Yee AC.	2013	American Journal of Nephrology
Nephrology - Chronic kidney disease	701	Limited knowledge of chronic kidney disease among primary care patients--a cross-sectional survey	Chow WL, Joshi VD, Tin AS, Van der Erf S, Lim JF, Swah TS, et al.	2012	BMC Nephrology
Nephrology	772	The changing pattern of primary glomerulonephritis in Singapore and other countries over the past 3 decades	Woo KT, Chan CM, Mooi CY, Tan HK, Foo M, Lee GS, et al.	2010	Clinical Nephrology
Nephrology - Chronic kidney disease	A-032	Association between body mass index and chronic kidney disease in men and women: Population-based study of Malay adults in Singapore	Shankar A, Leng C, Chia KS, Koh D, Tai ES, Saw SM, et al.	2008	Nephrology Dialysis Transplantation
Nephrology - Dialysis	13	Timing of commencement of maintenance dialysis and mortality in young and older adults in Singapore	Feng L, Jin AZ, Allen JC, Chow KY, Jafar TH.	2017	BMC Nephrology
Nephrology - Hemodialysis	243	Poor hemodialysis outcome identifying social risk factors in elderly and non-elderly patients in singapore	Ang R, Choo H, Ow R.	2011	Asian Pacific Journal of Social Work
Neurology - Cerebrovascular disease	463	Prevalence, risk factors and consequences of cerebral small vessel diseases: data from three Asian countries	Hilal S, Mok V, Youn YC, Wong A, Ikram MK, Chen CL.	2017	Journal of Neurology, Neurosurgery, and Psychiatry
Neurology - Cerebrovascular disease	526	Cortical cerebral microinfarcts on 3T MRI: A novel marker of cerebrovascular disease	Hilal S, Sikking E, Shaik MA, Chan QL, Van Veluw SJ, Vrooman H, et al.	2016	Neurology
Neurology - Cerebrovascular disease	610	Cortical microinfarcts on 3T MRI: Clinical correlates in memory-clinic patients	Van Veluw SJ, Hilal S, Kuijf HJ, Ikram MK, Xin X, Yeow TB, et al.	2015	Alzheimer's and Dementia
Neurology - Parkinson's disease	602	Prognostic factors for early mortality in Parkinson's disease	Oosterveld LP, Allen Jr JC, Reinoso G, Seah SH, Tay KY, Au WL, et al.	2015	Parkinsonism & Related Disorders
Neurology - Parkinson's disease	747	Selegiline use is associated with a slower progression in early Parkinson's disease as evaluated by Hoehn and Yahr Stage transition times	Zhao YJ, Wee HL, Au WL, Seah SH, Luo N, Li SC, et al.	2011	Parkinsonism & Related Disorders
Neurology - Stroke	603	Prevalence and Risk Factors of Acute Incidental Infarcts	Saini M, Suministrado MS, Hilal S, Dong YH, Venketasubramanian N, Ikram MK, et al.	2015	Stroke
Nephrology - Peripheral artery disease	B-032	Prevalence and risk factors for peripheral artery disease in an Asian population with diabetes mellitus	Tavintharan S, Cheung N, Lim SC, Tay W, Shankar A, Shyong Tai E, et al.	2009	Diabetes & Vascular Disease Research
Obstetrics & Gynaecology	893	Association of insulin resistance with bone strength and bone turnover in menopausal Chinese-singaporean women without diabetes	Kalimeri M, Leek F, Wang NX, Koh HR, Roy NC, Cameron-Smith D, et al.	2018	International Journal of Environmental Research and Public Health

Obstetrics & Gynaecology	894	Determinants of prolactin in postmenopausal Chinese women in Singapore	Katz TA, Wu AH, Stanczyk FZ, Wang R, Koh WP, Yuan JM, et al.	2018	Cancer Causes and Control
Obstetrics & Gynaecology	931	Sleep apnea and femoral neck BMD among Singaporean mid-life women	Tng HY, Thu WP, Logan S, Aris IM, Cauley J, Yong EL.	2018	Archives of Osteoporosis
OBGYN - Menopause	459	Genitourinary syndrome of menopause in five Asian countries: results from the Pan-Asian REVIVE survey	Chua Y, Limpaphayom KK, Cheng B, Ho CM, Sumapradja K, Altomare C, et al.	2017	Climacteric
Obstetrics & Gynaecology	B-012	Micro-dose transdermal estradiol for relief of hot flushes in postmenopausal Asian women: a randomized controlled trial	Haines C, Yu SL, Hiemeyer F, Schaefer M.	2009	Climacteric
Oncology - Cancer	853	Occupational exposure to endocrine disrupting substances and the risk of breast Cancer: the Singapore Chinese health study	Acheampong T, Yuan JM, Koh WP, Jin A, Odegaard A.	2018	BMC Public Health
Oncology - Cancer	471	Surgery for early breast cancer in the extremely elderly leads to improved outcomes - An Asian population study	Lee CM, Zheng H, Tan VK, Tan TJ, Kanesvaran R, Wong FY, et al.	2017	Breast
Oncology - Cancer	478	Outcome after neoadjuvant chemotherapy in Asian breast cancer patients	Lim LY, Miao H, Lim JS, Lee SC, Bhoo-Pathy N, Yip CH, et al.	2017	Cancer Medicine
Oncology - Cancer	484	Are Future Radiation Oncologists Equipped With the Knowledge to Manage Elderly Patients With Cancer?	Morris L, Thiruthaneeswaran N, Lehman M, Hasselburg G, Turner S.	2017	International Journal of Radiation Oncology, Biology, Physics
Oncology - Cancer	550	The impact of breast cancer-specific birth cohort effects among younger and older Chinese populations	Sung H, Rosenberg PS, Chen WQ, Hartman M, Lim WY, Chia KS, et al.	2016	International Journal of Cancer
Oncology - Cancer	562	Determining the cost-effectiveness of endoscopic surveillance for gastric cancer in patients with precancerous lesions	Wu JT, Zhou J, Naidoo N, Yang WY, Lin XC, Wang P, et al.	2016	Asia-Pacific Journal of Clinical Oncology
Oncology - Cancer	615	Drug-related problems in elderly patients with cancer receiving outpatient chemotherapy	Yeoh TT, Tay XY, Si P, Chew L.	2015	Journal of Geriatric Oncology
Oncology - Cancer	577	Computed tomography of the thorax for gastric cancer staging: is it necessary?	Chong CS, Ng CW, Shabbir A, Kono K, So JB.	2015	Scandinavian Journal of Surgery
Oncology - Cancer	597	Clinical Outcome among Nasopharyngeal Cancer Patients in a Multi-Ethnic Society in Singapore	Mak HW, Lee SH, Chee J, Tham I, Goh BC, Chao SS, et al.	2015	PLoS One

Oncology - Cancer	607	Basal cell carcinoma in Singapore: a prospective study on epidemiology and clinicopathological characteristics with a secondary comparative analysis between Singaporean Chinese and Caucasian patients	Tan ES, Ee M, Shen L, Chua H, Chan YH, Tan SH.	2015	Australasian Journal of Dermatology
Oncology - Cancer	644	Amplification of 1q21 and Other Abnormalities in Multiple Myeloma Patients from a Tertiary Hospital in Singapore	Lim AS, Krishnan S, Lim TH, See K, Ng YJ, Tan YM, et al.	2014	Indian Journal of Hematology and Blood Transfusion
Oncology - Cancer	663	Incidence and mortality of female breast cancer in the Asia-Pacific region	Youlten DR, Cramb SM, Yip CH, Baade PD.	2014	Cancer Biology & Medicine
Oncology - Cancer	728	High constant incidence rates of second primary cancers of the head and neck: a pooled analysis of 13 cancer registries	Bosetti C, Scelo G, Chuang SC, Tonita JM, Tamaro S, Jonasson JG, et al.	2011	International Journal of Cancer
Oncology - Cancer	733	Place of death and its determinants for patients with cancer in Singapore: an analysis of data from the Singapore Cancer Registry, 2000-2009	Hong CY, Chow KY, Poulouse J, Jin AZ, Devi A, Chee EM, et al.	2011	Journal of Palliative Medicine
Oncology - Cancer	735	Analysis of prognostic factors of comprehensive geriatric assessment and development of a clinical scoring system in elderly Asian patients with cancer	Kanesvaran R, Li H, Koo KN, Poon D.	2011	Journal of Clinical Oncology
Oncology - Cancer	737	Incidence and Outcome of Male Breast Cancer: An International Population-Based Study	Miao H, Verkooijen H, Chia KS, Bouchardy Magnin C, Pukkala E, Larønningen S, et al.	2011	Journal of Clinical Oncology
Oncology - Cancer	254	Impact of older age on presentation, management and outcome of breast cancer in the multi-ethnic Asian population of Singapore	Saxena N, Hartman M, Hussain Z, Pathy NB, lau P, Lee SC, et al.	2011	Journal of Geriatric Oncology
Oncology - Cancer	738	Body mass index and risk of colorectal cancer in Chinese Singaporeans: the Singapore Chinese Health Study	Odegaard AO, Koh WP, Yu MC, Yuan JM.	2011	Cancer
Oncology - Cancer	A-009	Gender differences in the trend of colorectal cancer incidence in Singapore, 1968-2002	de Kok IM, Wong CS, Chia KS, Sim X, Tan CS, Kiemeney LA, et al.	2008	International Journal of Colorectal Disease
Ophthalmology	918	Six-Year Incidence of and Risk Factors for Cataract Surgery in a Multi-ethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study	Tan AG, Kifley A, Tham YC, Shi Y, Chee ML, Sabanayagam C, et al.	2018	Ophthalmology
Ophthalmology	900	Direct and Indirect Associations Between Diabetes and Intraocular Pressure: The Singapore Epidemiology of Eye Diseases Study	Luo XY, Tan NY, Chee ML, Shi Y, Tham YC, Wong TY, et al.	2018	Investigative ophthalmology & visual science

Ophthalmology	934	Prevalence, Risk Factors, and Impact of Myopic Macular Degeneration on Visual Impairment and Functioning Among Adults in Singapore	Wong YL, Sabanayagam C, Ding Y, Wong CW, Yeo AC, Cheung YB, et al.	2018	Investigative ophthalmology & visual science
Ophthalmology	444	Coping with dry eyes: a qualitative approach	Yeo S, Tong L	2018	BMC Ophthalmology
Ophthalmology	432	Projection of Eye Disease Burden in Singapore	Ansah JP, Koh V, de Korne DF, Bayer S, Pan C, Thiyagarajan J, et al.	2018	Annals of the Academy of Medicine of Singapore
Ophthalmology	439	Factors that influence tear meniscus area and conjunctivochalasis: The Singapore Indian eye study	Poh S, Lee R, Gao J, Tan C, Gupta P, Sabanayagam C, et al.	2018	Ophthalmic Epidemiology
Ophthalmology	443	Prevalence, subtypes, severity and determinants of ocular trauma: The Singapore Chinese Eye Study	Wong MY, Man RE, Gupta P, Sabanayagam C, Wong TY, Cheng CY, et al.	2018	British Journal of Ophthalmology
Ophthalmology	453	Six-Year Incidence of Age-Related Macular Degeneration in Asian Malays	Cheung CM, Ong PG, Neelam K, Tan PC, Shi Y, Mitchell P, et al.	2017	Ophthalmology
Ophthalmology	454	Prevalence and risk factors for epiretinal membrane: the Singapore Epidemiology of Eye Disease study	Cheung N, Tan SP, Lee SY, Cheung GC, Tan G, Kumar N, et al.	2017	British Journal of Ophthalmology
Ophthalmology	455	Prevalence and Associations of Retinal Emboli With Ethnicity, Stroke, and Renal Disease in a Multiethnic Asian Population: The Singapore Epidemiology of Eye Disease Study	Cheung N, Teo K, Zhao W, Wang JJ, Neelam K, Tan NY, et al.	2017	JAMA Ophthalmol
Ophthalmology	458	Prevalence, Risk Factors, and Impact of Undiagnosed Visually Significant Cataract: The Singapore Epidemiology of Eye Diseases Study	Chua J, Lim B, Fenwick EK, Gan AT, Tan AG, Lamoureux E, et al.	2017	PLoS One
Ophthalmology	466	Association of Systemic Medication Use With Intraocular Pressure in a Multiethnic Asian Population The Singapore Epidemiology of Eye Diseases Study	Ho H, Shi Y, Chua J, Tham YC, Lim SH, Aung T, et al.	2017	Jama Ophthalmology
Ophthalmology	470	Association of iris crypts with acute primary angle closure	Koh V, Chua J, Shi Y, Thakku SG, Lee R, Nongpiur ME, et al	2017	British Journal of Ophthalmology
Ophthalmology	505	Development and Validation of a Deep Learning System for Diabetic Retinopathy and Related Eye Diseases Using Retinal Images From Multiethnic Populations With Diabetes	Ting DS, Cheung CY, Lim G, Tan GS, Quang ND, Gan A, et al.	2017	Jama-Journal of the American Medical Association
Ophthalmology	506	Is Corneal Arcus Independently Associated With Incident Cardiovascular Disease in Asians?	Wong MY, Man RE, Gupta P, Lim SH, Lim B, Tham YC, et al.	2017	American Journal of Ophthalmology

Ophthalmology	522	Association of Changes in Visual Acuity With Vision-Specific Functioning in the Singapore Malay Eye Study	Fenwick EK, Man RE, Ong PG, Sabanayagam C, Gupta P, Cheng CY, et al.	2016	JAMA Ophthalmol
Ophthalmology	523	Association of Vision Impairment and Major Eye Diseases With Mobility and Independence in a Chinese Population	Fenwick EK, Ong PG, Man RE, Cheng CY, Sabanayagam C, Wong TY, et al.	2016	JAMA Ophthalmol
Ophthalmology	530	Assessment of Depression, Anxiety, and Quality of Life in Singaporean Patients With Glaucoma	Lim N, Fan CH, Yong MK, Wong EP, Yip LW.	2016	Journal of Glaucoma
Ophthalmology	533	Prevalence, Correlates, and Impact of Uncorrected Presbyopia in a Multiethnic Asian Population	Man RE, Fenwick EK, Sabanayagam C, Li LJ, Gupta P, Tham YC, et al.	2016	American Journal of Ophthalmology
Ophthalmology	542	Burden of Wet Age-Related Macular Degeneration and Its Economic Implications in Singapore in the Year 2030	Saxena N, George PP, Hoon HB, Han LT, Onn YS.	2016	Ophthalmic Epidemiology
Ophthalmology	570	The Prevalence and Types of Glaucoma in an Urban Chinese Population: The Singapore Chinese Eye Study	Baskaran M, Foo RC, Cheng CY, Narayanaswamy AK, Zheng YF, Wu R, et al.	2015	JAMA Ophthalmol
Ophthalmology	574	Clinical Outcomes in the First Two Years of Femtosecond Laser-Assisted Cataract Surgery	Chee SP, Yang Y, Ti SE.	2015	American Journal of Ophthalmology
Ophthalmology	575	Complications and Outcomes of Primary Phacotrabeculectomy with Mitomycin C in a Multi-Ethnic Asian Population	Chen DZ, Koh V, Sng C, Aquino MC, Chew P.	2015	Plos One
Ophthalmology	576	Retinal Ganglion Cell Analysis Using High-Definition Optical Coherence Tomography in Patients with Mild Cognitive Impairment and Alzheimer's Disease	Cheung CY, Ong YT, Hilal S, Ikram MK, Low S, Ong YL, et al.	2015	Journal of Alzheimers Disease
Ophthalmology	579	Prevalence, Risk Factors, and Visual Features of Undiagnosed Glaucoma: The Singapore Epidemiology of Eye Diseases Study	Chua J, Baskaran M, Ong PG, Zheng Y, Wong TY, Aung T, et al.	2015	JAMA Ophthalmol
Ophthalmology	584	Changes in anterior segment dimensions over 4 years in a cohort of Singaporean subjects with open angles	He Y, Baskaran M, Narayanaswamy AK, Sakata LM, Wu R, Liu D, et al.	2015	British Journal of Ophthalmology
Ophthalmology	588	Prevalence and determinants of undiagnosed diabetic retinopathy and vision-threatening retinopathy in a multiethnic Asian cohort: the Singapore Epidemiology of Eye Diseases (SEED) study	Huang OS, Tay WT, Ong PG, Sabanayagam C, Cheng CY, Tan GS, et al.	2015	British Journal of Ophthalmology
Ophthalmology	591	Ocular surface disease in posttrabeculectomy/mitomycin C patients	Lam J, Wong TT, Tong L.	2015	Clinical Ophthalmology
Ophthalmology	616	Retinal microvascular abnormalities and risk of renal failure in Asian populations	Yip W, Sabanayagam C, Teo BW, Tay WT, Ikram MK, Tai ES, et al.	2015	PLoS One

Ophthalmology	106	Ancestry, Socioeconomic Status, and Age-Related Cataract in Asians The Singapore Epidemiology of Eye Diseases Study	Chua J, Koh JY, Tan AG, Zhao W, Lamoureux E, Mitchell P, et al.	2015	Ophthalmology
Ophthalmology	124	Cost-effectiveness of anti-oxidant vitamins plus zinc treatment to prevent the progression of intermediate age related macular degeneration. A Singapore perspective.	Saxena N, George PP, Heng BH, Lim TH, Yong SO.	2015	Indian Journal of Ophthalmology
Ophthalmology	132	Lens Status Influences the Association between CFH Polymorphisms and Age- Related Macular Degeneration: Findings from Two Population-Based Studies in	Wong CW, Liao J, Cheung GC, Khor CC, Vithana EN, Wang JJ, et al.	2015	Plos One
Ophthalmology	135	Prevalence, Racial Variations, and Risk Factors of Age-Related Macular Degeneration in Singaporean Chinese, Indians, and Malays.	Cheung CM, Li X, Cheng CY, Zheng Y, Mitchell P, Wang JJ, et al.	2014	Ophthalmology
Ophthalmology	136	Retinal Vascular Caliber and Age-related Macular Degeneration in an Indian Population from Singapore	Chin YC, Wong TY, Cheung CM, Cheung CY, Zheng Y, Mitchell P, et al.	2014	Ophthalmic Epidemiology
Ophthalmology	152	Ethnic Variation in Early Age-Related Macular Degeneration Lesions Between White Australians and Singaporean Asians	Joachim N, Mitchell P, Younan C, Burlutsky G, Cheng CY, Cheung CM, et al.	2014	Investigative Ophthalmology & Visual Science
Ophthalmology	164	Trends in Age-Related Macular Degeneration Management in Singapore	Ng WY, Cheung CM, Mathur R, Chan CM, San Yeo IY, Wong E, et al.	2014	Optometry and Vision Science
Ophthalmology	169	A Follow-Up Survey on the Knowledge of Age-Related Macular Degeneration and its Risk Factors among Singapore Residents after 5 Years of Nation-Wide Awareness Campaigns	Sanjay S, Chin YC, Teo HT, Ong SX, Toh SH, Khong MH, et al	2014	Ophthalmic Epidemiology
Ophthalmology	621	Prevalence and risk factors for retinopathy in persons without diabetes: the Singapore Indian Eye Study	Bhargava M, Cheung CY, Sabanayagam C, Huang L, Lamoureux EL, Wang JJ, et al.	2014	Acta Ophthalmologica
Ophthalmology	625	Retinal vascular fractal dimension is associated with cognitive dysfunction	Cheung CY, Ong S, Ikram MK, Ong YT, Chen CP, Venketasubramanian N, et al.	2014	Journal of Stroke and Cerebrovascular Diseases
Ophthalmology	666	Retinal Microvascular Changes and Risk of Stroke The Singapore Malay Eye Study	Cheung CY, Tay WT, Ikram MK, Ong YT, De Silva DA, Chow KY, et al.	2013	Stroke
Ophthalmology	671	Lack of awareness of common eye conditions in the community	Huang OS, Zheng Y, Tay WT, Chiang PP, Lamoureux EL, Wong TY.	2013	Ophthalmic Epidemiology
Ophthalmology	677	The prevalence and types of glaucoma in an urban Indian population: the Singapore Indian Eye Study	Narayanaswamy A, Baskaran M, Zheng Y, Lavanya R, Wu R, Wong WL, et al.	2013	Investigative Ophthalmology & Visual Science

Ophthalmology	678	A prospective comparison of chronic primary angle-closure glaucoma versus primary open-angle glaucoma in Singapore	Ngo CS, Aquino MC, Noor S, Loon SC, Sng CC, Gazzard G, et al.	2013	Singapore Medical Journal
Ophthalmology	688	Relationship between retinal vascular geometry with retinal nerve fiber layer and ganglion cell-inner plexiform layer in nonglaucomatous eyes	Tham YC, Cheng CY, Zheng Y, Aung T, Wong TY, Cheung CY.	2013	Investigative Ophthalmology & Visual Science
Ophthalmology	690	Retinal vascular geometry and glaucoma: the Singapore Malay Eye Study	Wu R, Cheung CY, Saw SM, Mitchell P, Aung T, Wong TY.	2013	Ophthalmology
Ophthalmology	184	Prevalence and Risk Factors for Age-Related Macular Degeneration in Indians: A Comparative Study in Singapore and India	Cheung CM, Li X, Cheng CY, Zheng Y, Mitchell P, Wang JJ, et al.	2013	American Journal of Ophthalmology
Ophthalmology	185	Is aspirin intake associated with early age-related macular degeneration? The Singapore Indian Eye Study.	Cheung N, Tay WT, Cheung GC, Wang JJ, Mitchell P, Wong TY.	2013	British Journal of Ophthalmology
Ophthalmology	199	Myopia, Axial Length, and Age-Related Cataract: The Singapore Malay Eye Study	Pan CW, Boey PY, Cheng CY, Saw SM, Tay WT, Wang JJ, et al.	2013	Investigative Ophthalmology & Visual Science
Ophthalmology	200	Differential Associations of Myopia with Major Age-related Eye Diseases The Singapore Indian Eye Study	Pan CW, Cheung CY, Aung T, Cheung CM, Zheng YF, Wu RY, et al.	2013	Ophthalmology
Ophthalmology	389	The economic cost of myopia in adults aged over 40 years in Singapore.	Zheng YF, Pan CW, Chay J, Wong TY, Finkelstein E, Saw SM.	2013	Investigative Ophthalmology & Visual Science
Ophthalmology	680	Myopia and cognitive dysfunction: the singapore malay eye study	Ong SY, Ikram MK, Haaland BA, Cheng CY, Saw SM, Wong TY, et al.	2013	Investigative Ophthalmology & Visual Science
Ophthalmology	235	Visual Impairment, Age-Related Eye Diseases, and Cognitive Function The Singapore Malay Eye Study	Ong SY, Cheung CY, Li X, Lamoureux EL, Ikram MK, Ding J, et al.	2012	Archives of Ophthalmology
Ophthalmology	695	Prevalence of and risk factors for age-related macular degeneration in a multiethnic Asian cohort	Cheung CM, Tai ES, Kawasaki R, Tay WT, Lee JL, Hamzah H, et al.	2012	Archives of Ophthalmology
Ophthalmology	697	Retinal vascular fractal dimension and its relationship with cardiovascular and ocular risk factors	Cheung CY, Thomas GN, Tay W, Ikram MK, Hsu W, Lee ML, et al.	2012	American Journal of Ophthalmology
Ophthalmology	708	Prevalence and risk factors of epiretinal membrane in Asian Indians	Koh V, Cheung CY, Wong WL, Cheung CM, Wang JJ, Mitchell P, et al.	2012	Investigative Ophthalmology & Visual Science

Ophthalmology	709	Comparing Stereometric Parameters Between Heidelberg Retinal Tomography 2 and 3 in Asian Eyes: The Singapore Malay Eye Study	Koh V, Loon SC, Wong WL, Wong TY, Aung T.	2012	Journal of Glaucoma
Ophthalmology	717	Prevalence and risk factors of meibomian gland dysfunction: the Singapore Malay eye study	Siak JJ, Tong L, Wong WL, Cajucom-Uy H, Rosman M, Saw SM, et al.	2012	Cornea
Ophthalmology	718	Prevalence of lens opacities in Asian Malays	Tan AG, Tay WT, Mitchell P, Sandar M, Aung T, Saw SM, et al.	2012	Ophthalmic Epidemiology
Ophthalmology	719	Anterior chamber dimensions and posterior corneal arc length in Malay eyes: an anterior segment optical coherence tomography study	Tan DK, Chong W, Tay WT, Yuen LH, He M, Aung T, Tan DT, et al.	2012	Investigative Ophthalmology & Visual Science
Ophthalmology	727	Corneal arcus is a sign of cardiovascular disease, even in low-risk persons	Ang M, Wong W, Park J, Wu R, Lavanya R, Zheng Y, et al.	2011	American Journal of Ophthalmology
Ophthalmology	729	Relationship of Smoking and Cardiovascular Risk Factors with Polypoidal Choroidal Vasculopathy and Age-related Macular Degeneration in Chinese Persons	Cackett P, Yeo I, Cheung CM, Vithana EN, Wong D, Tay WT, et al.	2011	Ophthalmology
Ophthalmology	730	Central Corneal Thickness and Glaucoma in East Asian People	Day AC, Machin D, Aung T, Gazzard G, Husain R, Chew PT, et al.	2011	Investigative Ophthalmology & Visual Science
Ophthalmology	736	Is bilateral age-related macular degeneration less common in Asians than Caucasians?	Kawasaki R, Wang JJ, Amirul FA, Rochtchina E, Aung T, Saw SM, et al.	2011	Ophthalmic Epidemiology
Ophthalmology	739	Ocular biometry in an urban Indian population: the Singapore Indian Eye Study (SINDI)	Pan CW, Wong TY, Chang L, Lin XY, Lavanya R, Zheng YF, et al	2011	Investigative Ophthalmology & Visual Science
Ophthalmology	742	Cataract prevalence varies substantially with assessment systems: comparison of clinical and photographic grading in a population-based study	Tan AC, Wang JJ, Lamoureux EL, Wong W, Mitchell P, Li J, et al.	2011	Ophthalmic Epidemiology
Ophthalmology	746	Relationship of central corneal thickness with optic disc parameters: the Singapore Malay Eye Study	Wu RY, Zheng YF, Wong TY, Cheung CY, Loon SC, Chauhan BC, et al.	2011	Investigative Ophthalmology & Visual Science
Ophthalmology	748	Determinants of Image Quality of Heidelberg Retina Tomography II and its Association With Optic Disc Parameters in a Population-Based Setting	Zheng Y, Cheung CY, Wong TY, Wong W, Loon SC, Aung T.	2011	American Journal of Ophthalmology
Ophthalmology	246	Retinal Arteriolar Wall Signs and Early Age-Related Macular Degeneration: The Singapore Malay Eye Study	Cheung CM, Cheung CY, Yang EL, Mitchell P, Wang JJ, Wong TY.	2011	American Journal of Ophthalmology

Ophthalmology	252	Metabolic Syndrome Components and Age-Related Cataract: The Singapore Malay Eye Study	Sabanayagam C, Wang JJ, Mitchell P, Tan AG, Tai ES, Aung T, et al.	2011	Investigative Ophthalmology & Visual Science
Ophthalmology	256	Prevalence and risk factors for refractive errors and ocular biometry parameters in an elderly Asian population: the Singapore Longitudinal Aging Study	Tan CS, Chan YH, Wong TY, Gazzard G, Niti M, Ng TP, et al.	2011	Eye
Ophthalmology	263	C-Reactive Protein and Age-Related Macular Degeneration and Cataract: The Singapore Malay Eye Study	Boey PY, Tay WT, Lamoureux E, Tai ES, Mitchell P, Wang JJ, et al.	2010	Investigative Ophthalmology & Visual Science
Ophthalmology	269	Hyperopic Refractive Error and Shorter Axial Length Are Associated with Age-Related Macular Degeneration: The Singapore Malay Eye Study	Lavanya R, Kawasaki R, Tay WT, Cheung GC, Mitchell P, Saw SM, et al.	2010	Investigative Ophthalmology & Visual Science
Ophthalmology	750	The prevalence of and risk factors for pterygium in an urban Malay population: the Singapore Malay Eye Study (SiMES)	Cajucum-Uy H, Tong L, Wong TY, Tay WT, Saw SM.	2010	British Journal of Ophthalmology
Ophthalmology	758	Relationship of retinal vascular tortuosity with the neuroretinal rim: the singapore malay eye study	Koh V, Cheung CY, Zheng Y, Wong TY, Wong W, Aung T.	2010	Investigative Ophthalmology & Visual Science
Ophthalmology	761	Distribution and Determinants of Ocular Biometric Parameters in an Asian Population: The Singapore Malay Eye Study	Lim LS, Saw SM, Jeganathan VS, Tay WT, Aung T, Tong L, et al.	2010	Investigative Ophthalmology & Visual Science
Ophthalmology	764	Novel association of smaller anterior chamber width with angle closure in Singaporeans	Nongpiur ME, Sakata LM, Friedman DS, He M, Chan YH, Lavanya R, et al.	2010	Ophthalmology
Ophthalmology	767	Refractive error, axial dimensions, and primary open-angle glaucoma: the Singapore Malay Eye Study	Perera SA, Wong TY, Tay WT, Foster PJ, Saw SM, Aung T.	2010	Archives of Ophthalmology
Ophthalmology	B-001	Variation of angle parameters in asians: An anterior segment optical coherence tomography study in a population of Singapore Malays	Amerasinghe N, Wong TY, Htoon HM, Saw SM, Shen S, Aung HT, et al	2009	Investigative Ophthalmology and Visual Science
Ophthalmology	B-006	Sociodemographic, lifestyle, and medical risk factors for visual impairment in an urban asian population: The Singapore Malay eye study	Chong EW, Lamoureux EL, Jenkins MA, Aung T, Saw SM, Wong TY.	2009	Archives of Ophthalmology
Ophthalmology	B-022	Survey on the knowledge of age-related macular degeneration and its risk factors among Singapore residents	Sanjay S, Neo HY, Sangtam T, Ku JY, Chau SY, Rostihar AK, et al	2009	Clinical & experimental ophthalmology

Ophthalmology	B-036	Relationship of Retinal Vascular Caliber with Retinal Nerve Fiber Layer Thickness: The Singapore Malay Eye Study.	Zheng Y, Cheung N, Aung T, Mitchell P, He M, Wong TY.	2009	Investigative Ophthalmology & Visual Science.
Ophthalmology	A-002	Evidence of retinal vascular narrowing in glaucomatous eyes in an Asian population	Amerasinghe N, Aung T, Cheung N, Fong CW, Wang JJ, Mitchell P, et al	2008	Investigative Ophthalmology and Visual Science
Ophthalmology	A-003	Determinants of the optic cup to disc ratio in an Asian population: The Singapore Malay Eye Study (SiMES)	Amerasinghe N, Wong TY, Wong WL, Mitchell P, Shen SY, Loon SC, et al	2008	Archives of Ophthalmology
Ophthalmology	A-004	The morphology of the optic nerve head in the Singaporean Chinese population (the Tanjong Pagar study): part 2--Biometric and systemic associations	Bourne RR, Foster PJ, Bunce C, Peto T, Hitchings RA, Khaw PT, et al	2008	The British journal of ophthalmology
Ophthalmology	A-005	Education, socio-economic status and age-related macular degeneration in Asians: The Singapore Malay eye	Cackett P, Tay WT, Aung T, Wang JJ, Shankar A, Saw SM, et al	2008	British Journal of Ophthalmology
Ophthalmology	A-006	Smoking, Cardiovascular Risk Factors, and Age-related Macular Degeneration in Asians: The Singapore Malay Eye Study	Cackett P, Wong TY, Aung T, Saw SM, Tay WT, Rochtchina E, et al	2008	American Journal of Ophthalmology
Ophthalmology	A-007	Prevalence and risk factors of retinal arteriolar emboli: the Singapore Malay Eye Study	Cheung N, Lim L, Wang JJ, Islam FA, Mitchell P, Saw SM, et al	2008	American journal of ophthalmology
Ophthalmology	A-016	Prevalence of age-related macular degeneration in a Malay population: the Singapore Malay Eye Study	Kawasaki R, Wang JJ, Aung T, Tan DT, Mitchell P, Sandar M, et al	2008	Ophthalmology
Ophthalmology	A-018	Determinants of angle closure in older Singaporeans	Lavanya R, Wong TY, Friedman DS, Aung HT, Alfred T, Gao H, et al	2008	Archives of Ophthalmology
Ophthalmology	A-028	Prevalence and risk factors for refractive errors in the Singapore Malay Eye Survey	Saw SM, Chan YH, Wong WL, Shankar A, Sandar M, Aung T, et al	2008	Ophthalmology
Ophthalmology	A-034	The prevalence and types of glaucoma in Malay people: The Singapore Malay eye study	Shen SY, Wong TY, Foster PJ, Loo JL, Rosman M, Loon SC, et al	2008	Investigative Ophthalmology and Visual Science
Ophthalmology	A-035	Diabetes, hyperglycemia, and central corneal thickness: the Singapore Malay Eye Study	Su DH, Wong TY, Wong WL, Saw SM, Tan DT, Shen SY, et al	2008	Ophthalmology
Ophthalmology	A-036	Retinal vascular caliber, blood pressure, and cardiovascular risk factors in an asian population: The Singapore malay eye study	Sun C, Liew G, Wang JJ, Mitchell P, Saw SM, Aung T, et al	2008	Investigative Ophthalmology and Visual Science
Orthopaedic	895	Duration of physical activity, sitting, sleep and the risk of total knee replacement among Chinese in Singapore, the Singapore Chinese Health Study	Leung YY, Razak HR, Talaei M, Ang LW, Yuan JM, Koh WP.	2018	PLoS One

o - Total knee replacer	939	Age- and sex-based recovery curves to track functional outcomes in older adults with total knee arthroplasty	Pua YH, Seah FJ, Poon CL, Tan JW, Alan Clark R, Liaw JS, et al	2018	Age & Ageing
Ortho - Total knee replacement	593	Association between body mass index and risk of total knee replacement, the Singapore Chinese Health Study	Leung YY, Allen Jr JC, Noviani M, Ang LW, Wang R, Yuan JM, et al.	2015	Osteoarthritis Cartilage
Ortho - Total knee replacement	679	A prediction model for length of stay after total and unicompartmental knee replacement	P. H. Ong, Y. H. Pua	2013	Bone & Joint Journal
Ortho - Total knee replacement	686	Comparative Demographics, ROM, and Function After TKA in Chinese, Malays, and Indians	Siow WM, Chin PL, Chia SL, Lo NN, Yeo SJ.	2013	Clinical Orthopaedics and Related Research
Physical functioning - Exercise	786	Exergames Designed for Older Adults: A Pilot Evaluation on Psychosocial Well-Being	Li J, Xu X, Pham TP, Theng YL, Katajapuu N, Luimula M.	2017	Games for Health Journal
Physical functioning - Exercise	477	Exergames vs. traditional exercise: investigating the influencing mechanism of platform effect on subthreshold depression among older adults	Li J, Theng YL, Foo S, Xu X.	2017	Aging and Mental Health
Physical functioning - Exercise	807	Improving Psychosocial Well-Being of Older Adults Through Exergaming: The Moderation Effects of Intergenerational Communication and Age Cohorts	Xu X, Li J, Pham TP, Salmon CT, Theng YL.	2016	Games for Health Journal
Physical functioning - Exercise	613	Examining the Influencing Factors of Exercise Intention Among Older Adults: A Controlled Study Between Exergame and Traditional Exercise	Wu Z, Li J, Theng YL.	2015	Cyberpsychology, Behavior, and Social Networking
Physical functioning - Exercise	632	Effects of financial incentives on motivating physical activity among older adults: results from a discrete choice experiment	Farooqui MA, Tan YT, Bilger M, Finkelstein EA.	2014	BMC Public Health
Physical functioning - Physiological Measurement	907	Weight change in relation to mortality in middle-aged and elderly Chinese: the Singapore Chinese Health Study	Pan XF, Yuan JM, Koh WP, Pan A.	2018	International Journal of Obesity
Physical functioning - Physiological measurement	3	Normative data on functional grip strength of elderly in Singapore	Jais IS, Chan KL, Loke MK, Rahim SA, Tay SC.	2018	Journal of Hand Therapy
Physical functioning - Physiological measurement	8	Head circumference, leg length and its association with dementia among older adult population in Singapore	Chang S, Ong HL, Abdin E, Vaingankar JA, Jeyagurunathan A, Shafie S, et al.	2017	International Journal of Geriatric Psychiatry
Physical functioning - Physiological measurement	29	Hand-grip strength among older adults in Singapore: a comparison with international norms and associative factors	Ong HL, Abdin E, Chua BY, Zhang Y, Seow E, Vaingankar JA, et al.	2017	BMC Geriatrics

Physical functioning - Physiological measurement	35	The correlates of slow gait and its relation with social network among older adults in Singapore	Shafie S, Shahwan S, Abdin E, Vaingankar J, Picco L, Sambasivam R, et al.	2017	Aging & Mental Health
Physical functioning - Physiological measurement	73	Normative Values of Hand Grip Strength for Elderly Singaporeans Aged 60 to 89 Years: A Cross-Sectional Study	Malhotra R, Ang S, Allen JC, Tan NC, Østbye T, Saito Y, et al.	2016	Journal of the American Medical Directors Association
Physical functioning - Physiological measurement	535	Association of Grip Strength, Upper Arm Circumference, and Waist Circumference with Dementia in Older Adults of the WiSE Study: A Cross-Sectional Analysis	Ong HL, Chang SH, Abdin E, Vaingankar JA, Jeyagurunathan A, Shafie S, et al.	2016	The Journal of Nutrition, Health and Aging
Physical functioning - Physiological measurement	559	Serum folate predicts muscle strength: A pilot cross-sectional study of the association between serum vitamin levels and muscle strength and gait measures in patients >65 years old with diabetes mellitus in a primary care setting	Wee AK.	2016	Nutrition Journal
Physical functioning - Physiological measurement	383	Life-course socioeconomic status and obesity among older Singaporean Chinese men and women.	Malhotra R, Malhotra C, Chan A, Østbye T.	2013	The Journals of Gerontology. Series B, Psychological Sciences and Social Sciences
Physical functioning - Physiological measurement	198	Variation in and correlates of body mass status of older singaporean men and women: results from a national survey	Østbye T, Malhotra R, Chan A.	2013	Asia Pacific Journal of Public Health
Physical functioning - Physiological measurement	765	BMI, all-cause and cause-specific mortality in Chinese Singaporean men and women: the Singapore Chinese health study	Odegaard AO, Pereira MA, Koh WP, Gross MD, Duval S, Mimi CY, et al.	2010	PLoS One
Physical functioning - Functional Ability	935	Immediate effects of wearing knee length socks differing in compression level on postural regulation in community-dwelling, healthy, elderly men and women	Woo MT, Davids K, Liukkonen J, Chow JY, Jaakkola T.	2018	Gait & posture
Physical functioning - Functional ability	72	Disability in Singapore's Elderly Population	Mahesh M, Abdin E, Vaingankar JA, Picco L, Jeyagurunathan A, Shafie SB, et al.	2016	Annals of the Academy of Medicine of Singapore
Physical functioning - Functional ability	311	Revisiting Mobility Limitations of Seniors in Singapore, 1995 to 2011	Kang S-H, Yong V, Chan A, Saito Y.	2016	Gerontology and Geriatric Medicine
Physical functioning - Functional ability	177	Comorbid visual and cognitive impairment: relationship with disability status and self-rated health among older Singaporeans	Whitson HE, Malhotra R, Chan A, Matchar DB, Østbye T.	2014	Asia Pacific Journal of Public Health

Physical functioning - Functional ability	234	Homocysteine, folate, vitamin B-12, and physical function in older adults: cross-sectional findings from the Singapore Longitudinal Ageing Study	Ng TP, Aung KC, Feng L, Scherer SC, Yap KB.	2012	American Journal of Clinical Nutrition
Physical functioning - Functional ability	226	Prevalence, correlates and perceived causes of limitations in activities of daily living among older	Malhotra C, Chan A, Malhotra R, Østbye T.	2012	Aging Clinical and Experimental Research
Physical functioning - Functional ability	244	Serum albumin and hemoglobin are associated with physical function in community-living older persons in Singapore	Aung KC, Feng L, Yap KB, Sitoh YY, Leong IY, Ng TP.	2011	Journal of Nutrition, Health and Aging
Physical functioning - Functional ability	413	Correlates of limitations in activities of daily living and mobility among communitydwelling older Singaporeans	Chan A, Malhotra C, ØSTBYE T.	2011	Ageing & Society
Physical functioning - Functional ability	731	Physical Health and Cognitive Function Independently Contributed to Functional Disability among Chinese Older Adults: Data from Two Asian Metropolises	Feng L, Ng TP, He Y, Li C, Kua EH, Zhang M.	2011	Journal of Aging Research
Physical functioning - Functional ability	431	Changes in the Prevalence of Mobility Limitations and Mobile Life Expectancy of Older Adults in Singapore	Yong V, Saito Y, Chan A.	2010	Journal of Aging and Health
Physical functioning - health status	886	Effects of chronic diseases on health-related quality of life and self-rated health among three adult age groups	Ge L, Ong R, Yap CW, Heng BH.	2018	Nursing & health sciences
Physical Functioning - Health Status	930	Cohort Profile: The Integrated Women's Health Programme (IWHP): a study of key health issues of midlife Singaporean women - Cohort Profile	Thu WP, Logan SJ, Lim CW, Wang YL, Cauley JA, Yong EL.	2018	International Journal of Epidemiology
Physical functioning - Health status	489	Health-related quality of life of older Asian patients with multimorbidity in primary care in a developed nation	Quah JH, Wang P, Ng RR, Luo N, Tan NC.	2017	Geriatrics & Gerontology International
Physical functioning - Health status	532	Variation in the Gender Gap in Inactive and Active Life Expectancy by the Definition of Inactivity Among Older Adults	Malhotra R, Chan A, Ajay S, Ma S, Saito Y.	2016	Journal of Aging and Health
Physical functioning - Health status	303	Gender, educational and ethnic differences in active life expectancy among older Singaporeans	Chan A, Malhotra R, Matchar DB, Ma S, Saito Y.	2016	Geriatrics & Gerontology International
Physical functioning - Health status	312	Self-Reported Health Status of Older Adults in Malaysia and Singapore: Evidence from the 2007 Global Ageing Survey	Khan HT, Flynn M.	2016	Applied Research in Quality of Life
Physical functioning - health status	669	Old age mortality in Eastern and South-Eastern Asia	Gu D, Gerland P, Andreev K, Li N, Spoorenberg T, Heilig G.	2013	Demographic Research
Physical functioning - Health status	827	Health status profiles in community-dwelling elderly using self-reported health indicators: a latent class	Ng CW, Luo N, Heng BH.	2014	Quality of Life Research

Physical functioning - Health status	825	A humanbecoming qualitative descriptive study on quality of life with older adults	Ma L.	2014	Nursing Science Quarterly
Physical functioning - Health status	634	Determinants of health-related quality of life among community dwelling elderly	George PP, Heng BH, Wong LY, Ng CW.	2014	Annals of the Academy of Medicine of Singapore
Physical functioning - Health status	642	Association between helplessness, disability, and disease activity with health-related quality of life among rheumatoid arthritis patients in a multiethnic Asian population	Kwan YH, Koh ET, Leong KP, Wee HL, Tan Tock Seng Rheumatoid Arthrit	2014	Rheumatology International
Physical functioning - Health status	205	Research in brief -- Quality of life of community-dwelling older adults in Singapore: A cross-sectional study.	Seah B, Chan SWC, Fai CM, Tan KK	2013	Singapore Nursing Journal
Physical functioning - Health status	261	Gender Differences in Health and Health Expectancies of Older Adults in Singapore: An Examination of Diseases, Impairments, and Functional Disabilities	Yong V, Saito Y, Chan A.	2011	Journal of Cross-Cultural Gerontology
Physical functioning - Health status	B-021	Self-rated health, associated factors and diseases: a community-based cross-sectional study of Singaporean adults aged 40 years and above	Ramkumar A, Quah JL, Yeo TW, Nieh CC, Shankar A, Wong TY.	2009	Annals of the Academy of Medicine, Singapore
Physical functioning - Health status	B-027	The association between socioeconomic status and overweight/obesity in a malay population in Singapore	Sabanayagam C, Shankar A, Saw SM, Tai ES, Wong TY.	2009	Asia-Pacific Journal of Public Health
Physical functioning - Injury	879	Falls and Recurrent Falls among Adults in A Multi-ethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study	Dai W, Tham YC, Chee ML, Tan NY, Wong KH, Majithia S, et al	2018	Scientific reports
Physical functioning - Injury	858	Anti-hypertensive medications and injurious falls in an older population of low socioeconomic status: a nested case-control study	Banu Z, Lim KK, Kwan YH, Yap KZ, Ang HT, Tan CS, et al	2018	BMC geriatrics
Physical functioning - Injury	898	Disparity between perceived and physiological risks of falling among older patients in an acute care hospital	Lim ML, Seow JP, Ang SY, Lopez V.	2018	Applied nursing research : ANR
Physical functioning - Injury	902	A Cost-Effectiveness Analysis of a Randomized Control Trial of a Tailored, Multifactorial Program to Prevent Falls Among the Community-Dwelling Elderly	Matchar DB, Eom K, Duncan PW, Lee M, Sim R, Sivapragasam NR, et al	2018	Archives of physical medicine and rehabilitation
Physical functioning - Injury	928	Characteristics of fall-related traumatic brain injury in older adults	Teo DB, Wong HC, Yeo AW, Lai YW, Choo EL, Merchant RA.	2018	Internal medicine journal
Physical functioning - Injury	1	Ethnicity predicts falls among community-dwelling older adults in Singapore	Chen TY, Tan PJ, Chan A.	2018	Geriatrics & Gerontology International

Physical functioning - Injury	45	Falls, Cognitive Function, and Balance Profiles of Singapore Community-Dwelling Elderly Individuals: Key	Woo MT, Davids K, Liukkonen J, Chow JY, Jaakkola T.	2017	Geriatric Orthopaedic Surgery & Rehabilitation
Physical functioning - Injury	482	Randomized Controlled Trial of Screening, Risk Modification, and Physical Therapy to Prevent Falls Among the Elderly Recently Discharged From the Emergency Department to the Community: The Steps to Avoid Falls in the Elderly Study	Matchar DB, Duncan PW, Lien CT, Ong ME, Lee M, Gao F, et al.	2017	Archives of Physical Medicine and Rehabilitation
Physical functioning - Injury	461	High prevalence of missed opportunities for secondary fracture prevention in a regional general hospital setting in Singapore	Gani L, Reddy SK, Alsawaigh R, Khoo J, King TF.	2017	Archives of Osteoporosis
Physical functioning - Injury	501	Inpatient cost for hip fracture patients managed with an orthogeriatric care model in Singapore	Tan LT, Wong SJ, Kwek EB.	2017	Singapore Medical Journal
Physical functioning - Injury	502	Clinical outcomes and hospital length of stay in 2,756 elderly patients with hip fractures: A comparison of surgical and non-surgical management	Tan ST, Tan WP, Jaipaul J, Chan SP, Sathappan SS.	2017	Singapore Medical Journal
Physical functioning - Injury	503	Radiographic study of the proximal femur morphology of elderly patients with femoral neck fractures: is there a difference among ethnic groups?	Tang ZH, Yeoh CS, Tan GM.	2017	Singapore Medical Journal
Physical functioning - Injury	7	Prevalence and correlates of traumatic brain injury (TBI) in older adults: Results from the Well-being of the Singapore Elderly (WiSE) study	Cetty L, Abdin E, Vaingankar JA, Jeyagurunathan A, Chua BY, Picco L, et al.	2017	International Psychogeriatrics
Physical functioning - Injury	560	Demographic profile and extent of healthcare resource utilisation of patients with severe traumatic brain injury: still a major public health problem	Wee JZ, Yang YR, Lee QY, Cao K, Chong CT.	2016	Singapore Medical Journal
Physical functioning - Injury	521	Bone turnover biomarkers and risk of osteoporotic hip fracture in an Asian population	Dai Z, Wang R, Ang LW, Yuan JM, Koh WP.	2016	Bone
Physical functioning - Injury	527	Cemented hemiarthroplasty in traumatic displaced femoral neck fractures and deep vein thrombosis: Is there really a link?	Hong CC, Nashi N, Makandura MC, Krishna L.	2016	Singapore Medical Journal
Physical functioning - Injury	553	Hip fractures in the elderly: Operative versus nonoperative management	Tay E.	2016	Singapore Medical Journal
Physical functioning - Injury	612	The Low Fall as a Surrogate Marker of Frailty Predicts Long-Term Mortality in Older Trauma Patients	Wong TH, Nguyen HV, Chiu MT, Chow KY, Ong ME, Lim GH, et al.	2015	PLoS One

Physical functioning - Injury	580	Association between change in body weight after midlife and risk of hip fracture—the Singapore Chinese Health Study	Dai Z, Ang LW, Yuan JM, Koh WP.	2015	Osteoporosis International
Physical functioning - Injury	599	Unipolar versus bipolar hemiarthroplasty for displaced femoral neck fractures in the elderly: Is there a	Ng DZ, Lee KB.	2015	Annals of the Academy of Medicine Singapore
Physical functioning - Injury	604	Atypical Fractures are Mainly Subtrochanteric in Singapore and Diaphyseal in Sweden: A Cross-Sectional	Schilcher J, Howe TS, Png MA, Aspenberg P, Koh JS.	2015	Journal of Bone and Mineral Research
Physical functioning - Injury	629	Protective effects of dietary carotenoids on risk of hip fracture in men: the Singapore Chinese Health Study	Dai Z, Wang R, Ang LW, Low YL, Yuan JM, Koh WP.	2014	Journal of Bone and Mineral Research
Physical functioning - Injury	631	Orthogeriatric model for hip fracture patients in Singapore: our early experience and initial outcomes	Doshi HK, Ramason R, Azellarasi J, Naidu G, Chan WL.	2014	Archives of Orthopaedic and Trauma Surgery
Physical functioning - Injury	653	Prevalence of vitamin d deficiency in patients with hip fracture seen in an orthogeriatric service in sunny singapore	Ramason R, Selvaganapathi N, Ismail NH, Wong WC, Rajamoney GN, Chong MS.	2014	Geriatric Orthopaedic Surgery & Rehabilitation
Physical functioning - Injury	646	Comparison between elderly inpatient fallers with and without dementia	Lim SC, Mamun K, Lim JK.	2014	Singapore Medical Journal
Physical functioning - Injury	655	Postoperated hip fracture rehabilitation effectiveness and efficiency in a community hospital	Tan AK, Taiju R, Menon EB, Koh GC.	2014	Annals of the Academy of Medicine of Singapore
Physical functioning - Injury	104	Factors influencing diagnosis and treatment of osteoporosis after a fragility fracture among postmenopausal women in Asian countries: a retrospective study	Kung AW, Fan T, Xu L, Xia WB, Park IH, Kim HS, et al.	2013	Bmc Womens Health
Physical functioning - Injury	665	Secondary prevention of osteoporotic fractures-an "OPTIMAL" model of care from Singapore	Chandran M, Tan MZ, Cheen M, Tan SB, Leong M, Lau TC.	2013	Osteoporosis International
Physical functioning - Injury	667	Dietary B vitamin intake and risk of hip fracture: the Singapore Chinese Health Study	Dai Z, Wang R, Ang LW, Yuan JM, Koh WP.	2013	Osteoporos Int
Physical functioning - Injury	673	All-cause and cause-specific mortality after hip fracture among Chinese women and men: the Singapore Chinese Health Study	Koh GH, Tai BC, Ang LW, Heng D, Yuan JM, Koh WP.	2013	Osteoporosis International
Physical functioning - injury	B-013	Gender-specific associations between soy and risk of hip fracture in the singapore chinese health study	Koh WP, Wu AH, Wang R, Ang LW, Heng D, Yuan JM, et al	2009	American Journal of Epidemiology
Physical functioning - Injury	B-015	Association between falls and high-risk medication use in hospitalized Asian elderly patients	Mamun K, Lim JK.	2009	Geriatrics & Gerontology International
Psychiatry - Depression	16	Prevalence of frailty and its association with depressive symptoms among older adults in Singapore	Ge L, Yap CW, Heng BH.	2017	Aging and Mental Health

Psychiatry - Depression	47	Association of received social support with depressive symptoms among older males and females in Singapore: Is personal mastery an inconsistent mediator?	Ang S, Malhotra R.	2016	Social Science and Medicine
Psychiatry - Depression	60	Mortality rates in major and subthreshold depression: 10-year follow-up of a Singaporean population cohort of older adults	Ho CS, Jin A, Nyunt MS, Feng L, Ng TP.	2016	Postgraduate Medical Journal
Psychiatry - Depression	93	Prevalence of depression among older adults-results from the well-being of the Singapore elderly study	Subramaniam M, Abdin E, Sambasivam R, Vaingankar JA, Picco L, Pang S, et al.	2016	Annals of the Academy of Medicine Singapore
Psychiatry - Depression	96	Association between fish intake and depressive symptoms among community-living older Chinese adults in Singapore: A cross-sectional study	Wu D, Feng L, Gao Q, Li JL, Rajendran KS, Wong JC, et al.	2016	Journal of Nutrition, Health and Aging
Psychiatry - Depression	122	Psychosocial interventions with art, music, Tai Chi and mindfulness for subsyndromal depression and anxiety in older adults: A naturalistic study in Singapore	Rawtaer I, Mahendran R, Yu J, Fam J, Feng L, Kua EH.	2015	Asia-Pacific Psychiatry
Psychiatry - Depression	340	Depression and Psychosocial Risk Factors among Community-Dwelling Older Adults in Singapore.	Li J, Theng YL, Foo S.	2015	Journal of Cross-Cultural Gerontology
Psychiatry - Depression	175	Individual and area-level socioeconomic status and their association with depression amongst community-dwelling elderly in Singapore	Wee LE, Yong YZ, Chng MW, Chew SH, Cheng L, Chua QH, et al.	2014	Aging & Mental Health
Psychiatry - Depression	365	Association of Socioeconomic Status (SES) and Social Support with Depressive Symptoms among the Elderly in Singapore.	Ng CW, Tan WS, Gunapal PP, Wong LY, Heng BH.	2014	Annals of the Academy of Medicine of Singapore
Psychiatry - Depression	623	Reducing depression among community-dwelling older adults using life-story review: a pilot study	Chan MF, Leong KS, Heng BL, Mathew BK, Khan SB, Lourdasamy SS, et al.	2014	Gerontological nursing
Psychiatry - Depression	639	Coexisting medical comorbidity and depression: multiplicative effects on health outcomes in older adults	Ho CS, Feng L, Fam J, Mahendran R, Kua EH, Ng TP.	2014	International Psychogeriatrics
Psychiatry - Depression	182	A randomised controlled study to explore the effect of life story review on depression in older Chinese in	Chan MF, Ng SE, Tien A, Man Ho RC, Thayala J. A	2013	Health & Social Care in the Community
Psychiatry - Depression	207	Prevalence and risk factors of depression in the elderly nursing home residents in Singapore.	Tiong WW, Yap P, Huat Koh GC, Phoon Fong N, Luo N.	2013	Aging & Mental Health
Psychiatry - Depression	228	Depressive symptoms among informal caregivers of older adults: insights from the Singapore Survey on Informal Caregiving	Malhotra C, Malhotra R, Østbye T, Matchar D, Chan A.	2012	International Psychogeriatrics

Psychiatry - Depression	700	The prevalence and impact of major depressive disorder among Chinese, Malays and Indians in an Asian multi-racial population	Chong SA, Vaingankar J, Abdin E, Subramaniam M.	2012	Journal of Affective Disorders
Psychiatry - Depression	755	Statin use and depressive symptoms in a prospective study of community-living older persons	Feng L, Yap KB, Kua EH, Ng TP.	2010	Pharmacoepidemiol Drug Saf
Psychiatry - Depression	B-011	Depressive symptoms, physician visits and hospitalization among community-dwelling older adults	Feng L, Yap KB, Kua EH, Ng TP.	2009	International Psychogeriatrics
Psychiatry - Depression	B-017	Folate, vitamin B12, homocysteine, and depressive symptoms in a population sample of older Chinese adults	Ng TP, Feng L, Niti M, Kua EH, Yap KB.	2009	Journal of the American Geriatrics Society
Psychiatry - Depression	B-018	Albumin, apolipoprotein E-[epsilon]4 and cognitive decline in community-dwelling Chinese older adults	Ng TP, Niti M, Feng L, Kua EH, Yap KB.	2009	Journal of the American Geriatrics Society
Psychiatry - Depression	B-029	Somatic and non-affective symptoms of old age depression: ethnic differences among Chinese, Indians and Malays	Soh KC, Kua EH, Ng TP.	2009	International Journal of Geriatric Psychiatry
Psychiatry - Depression	A-008	Subsyndromal depression in old age: Clinical significance and impact in a multi-ethnic community sample of elderly Singaporeans	Chuan SK, Kumar R, Matthew N, Heok KE, Pin NT.	2008	International Psychogeriatrics
Psychiatry - Depression	A-014	Body mass index, waist circumference, waist-hip ratio and depressive symptoms in Chinese elderly: a population-based study	Ho RC, Niti M, Kua EH, Ng TP.	2008	International Journal of Geriatric Psychiatry
Psychiatry - Depression	A-029	Subthreshold depression and cognitive impairment but not demented in stroke patients during their	Saxena SK, Ng TP, Yong D, Fong NP, Koh G.	2008	Acta Neurologica Scandinavica
Psychiatry - Psychosis	548	Prevalence of psychotic symptoms among older adults in an Asian population	Subramaniam M, Abdin E, Vaingankar J, Picco L, Shahwan S, Jeyagurunathan A, et al.	2016	International Psychogeriatrics
Psychiatry - Psychosis	239	First presentation psychosis among the elderly in Singapore	Tan LL, Seng KH.	2012	Singapore Medical Journal
Psychiatry - Schizophrenia	662	Common use of high doses of antipsychotic medications in older Asian patients with schizophrenia (2001-2009)	Xiang YT, Li Y, Correll CU, Ungvari GS, Chiu HF, Lai KY,	2014	International Journal of Geriatric Psychiatry
Psychiatry - Schizophrenia	724	Antipsychotic treatment in older schizophrenia patients with extrapyramidal side effects in Asia (2001 - 2009)	Xiang YT, Kreyenbuhl J, Dickerson FB, Ungvari GS, Wang CY, Si TM, et al.	2012	International Journal of Clinical Pharmacology and Therapeutics

Psychiatry - Sleep	870	Changes in nocturnal sleep and daytime nap durations predict all-cause mortality among older adults: the Panel on Health and Ageing of Singaporean Elderly	Cheng GH, Malhotra R, Østbye T, Chan A, Ma S, Lo JC.	2018	Sleep
Psychiatry - Sleep	875	Determinants of poor sleep quality in elderly patients with diabetes mellitus, hyperlipidemia and hypertension in singapore	Chiang GS, Sim BL, Lee JJ, Quah JH.	2018	Primary Health Care Research and Development
Psychiatry - Sleep	887	Sleep duration and risk of end-stage renal disease: the Singapore Chinese Health Study	Geng TT, Jafar TH, Yuan JM, Koh WP.	2018	Sleep medicine
Psychiatry - Sleep	909	A nonpharmacological approach to improve sleep quality in older adults	Rawtaer I, Mahendran R, Chan HY, Lei F, Kua EH.	2018	Asia-Pacific Psychiatry
Psychiatry - Sleep	936	Caregiver-Reported Sleep Disturbances Are Associated With Behavioral and Psychological Symptoms in an Asian Elderly Cohort With Cognitive Impairment-No Dementia	Xu X, Kan CN, Wong TY, Cheng CY, Ikram MK, Chen CL, et al	2018	Journal of geriatric psychiatry and neurology
Psychiatry - Sleep	10	Importance of social relationships in the association between sleep duration and cognitive function: data from community-dwelling older Singaporeans	Cheng GH, Chan A, Lo JC.	2017	International Psychogeriatrics
Psychiatry - Sleep	34	Prevalence and correlates of sleep problems among elderly Singaporeans	Sagayadevan V, Abdin E, Binte Shafie S, Jeyagurunathan A, Sambasivam R, Zhang Y, et al.	2017	Psychogeriatrics
Psychiatry - Sleep	781	Factors of nocturnal sleep and daytime nap durations in community-dwelling elderly: a longitudinal population-based study	Cheng GH, Chan A, Lo JC.	2017	International Psychogeriatrics
Psychiatry - Sleep	92	Chronic disease and lifestyle factors associated with change in sleep duration among older adults in the Singapore Chinese Health Study	Smagula SF, Koh WP, Wang R, Yuan JM.	2016	Journal of Sleep Research
Psychiatry - Sleep	531	Insomnia and daytime neuropsychological test performance in older adults	Ling A, Lim ML, Gwee X, Ho RC, Collinson SL, Ng TP.	2016	Sleep Medicine
Psychiatry - Sleep	564	Depressive symptoms moderate the relationship between sleep quality and cognitive functions among the elderly	Yu J, Rawtaer I, Mahendran R, Collinson SL, Kua EH, Feng L.	2016	Journal of Clinical and Experimental Neuropsychology
Psychiatry - Sleep	647	Sleep reduces false memory in healthy older adults	Lo JC, Sim SK, Chee MW.	2014	Sleep
Psychiatry - Sleep	170	The effects of sedative music on sleep quality of older community-dwelling adults in Singapore	Shum A, Taylor BJ, Thayala J, Chan MF.	2014	Complementary Therapies in Medicine

Psychiatry - Sleep	A-031	Sleep duration and coronary heart disease mortality among Chinese adults in Singapore: a population-based cohort study	Shankar A, Koh WP, Yuan JM, Lee HP, Yu MC.	2008	American Journal of Epidemiology
Psychiatry - Sleep	A-041	Sleep duration, melatonin and breast cancer among Chinese women in Singapore	Wu AH, Wang R, Koh WP, Stanczyk FZ, Lee HP, Yu MC.	2008	Carcinogenesis
Psychiatry - Cognition	919	Haemoglobin, magnetic resonance imaging markers and cognition: a subsample of population-based study	Tan B, Venketasubramanian N, Vrooman H, Cheng CY, Wong TY, Chen C, et al	2018	Alzheimer's research & therapy
Psychiatry - Cognition	937	Neuropsychiatric symptoms in South-East Asian patients with mild cognitive impairment and dementia: prevalence, subtypes, and risk factors	Yatawara C, Hiu S, Tan L, Kandiah N.	2018	International Journal of Geriatric Psychiatry
Psychiatry - Cognition	A-044	Orthostatic hypotension, hypotension and cognitive status: early comorbid markers of primary dementia?	Yap PL, Niti M, Yap KB, Ng TP.	2008	Dementia and geriatric cognitive disorders
Rheumatology - Gout	241	Mortality due to coronary heart disease and kidney disease among middle-aged and elderly men and women with gout in the Singapore Chinese Health Study	G. G. Teng, L. W. Ang, K. G. Saag, M. C. Yu, J. M. Yuan and W. P. Koh	2012	Annals of the Rheumatic Diseases
Rheumatology - Gout	262	Mortality due to coronary heart disease and kidney disease among middle- aged and elder men and women with gout in the Singapore Chinese health study	J. M. Yuan and W. P. Koh	2011	Arthritis and Rheumatism
Urology - Benign prostatic obstruction	611	Relationships between prostatic volume and intravesical prostatic protrusion on transabdominal ultrasound and benign prostatic obstruction in patients with lower urinary tract symptoms	Wang D, Huang H, Law YM, Foo KT.	2015	Annals of the Academy of Medicine Singapore
Urology - Incontinence	645	Prevalence of faecal incontinence in the community: a cross-sectional study in Singapore	Lim JW, Heng C, Wong MT, Tang CL.	2014	Singapore Medical Journal
Urology - Urinary tract infections	882	Premenopausal women with recurrent urinary tract infections have lower quality of life	Ennis SS, Guo H, Raman L, Tambyah PA, Chen SL, Tiong HY.	2018	International Journal of Urology
Urology - Lower urinary tract symptoms	698	The prevalence of lower urinary tract symptoms and treatment-seeking behaviour in males over 40 years in Singapore: a community-based study	Chong C, Fong L, Lai R, Lau WK, Hartmann M, Chia SE.	2012	Prostate Cancer and Prostatic Diseases
Urology - Mastectomy	572	Mastectomy rates remain high in Singapore and are not associated with poorer survival after adjusting for age	Chan PM, Choo BA, Zhang T, Seah MD, Chen JJ, Lu SQ, et al.	2015	Springerplus
Urology - Sexual health	843	The moderating impact of lifestyle factors on sex steroids, sexual activities and aging in Asian men	Goh VH, Tong TY.	2011	Asian Journal of Andrology

Urology	B-004	Effect of ageing and body mass index on prostate-specific antigen levels among Chinese men in Singapore from a community-based study	Chia SE, Lau WK, Chin CM, Tan J, Ho SH, Lee J, et al	2009	BJU international
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SUPPLEMENTARY MATERIAL 2 – SOCIAL PUBLICATIONS

Topic	Study No.	Title of Study	Authors	Year	Journal
Healthy Ageing	913	Successful ageing in Singapore: prevalence and correlates from a national survey of older adults	Subramaniam M, Abdin E, Vaingankar JA, Sambasivam R, Seow E, Picco L, et	2018	Singapore Medical Journal
Healthy Ageing	285	What Does Successful Aging Mean? Lay Perception of Successful Aging Among Elderly Singaporeans	Feng Q, Straughan PT.	2017	The Journals of Gerontology. Series B, Psychological Sciences and Social Sciences
Healthy Ageing	316	Measuring active ageing among older adults in Singapore	Lim EZ, Thompson CL.	2016	Ageing and Society
Healthy Ageing	363	Perception and Preparation for Old Age: Case Studies in Kuala Lumpur, Singapore and Manila.	Mohd S, Ismail NA, Senadjki A.	2014	Proceedings of International Conference on Contemporary Economic Issues 2014
Healthy Ageing	388	Futures of ageing in Singapore.	Wen WK.	2013	Journal of Futures Studies
Healthy Ageing	B-019	Determinants of successful aging using a multidimensional definition among Chinese elderly in Singapore	Ng TP, Broekman BF, Niti M, Gwee X, Kua EH.	2009	American Journal of Geriatric Psychiatry
Healthy Ageing	A-020	Effects of good life program on Singaporean older adults' psychological well-being	Mehta KK, Cheang Ching Ee J.	2008	Activities, Adaptation & Aging
Healthy Ageing	A-042	Social capital and health and well-being in East Asia: A population-based study	Yamaoka K.	2008	Social Science and Medicine
Built Environment	881	Geographical Accessibility of Community Health Assist System General Practitioners for the Elderly Population in Singapore: A Case Study on the Elderly Living in Housing	Deborah OM, Chiu MY, Cao K.	2018	International Journal of Environmental Research and Public Health
Built Environment	941	Moving towards age-inclusive public housing in Singapore	Yuen B.	2018	Urban Research and Practice
Built Environment	28	The neighborhood built environment and cognitive function of older persons: Results from the Singapore	Ng TP, Nyunt MS, Shuvo FK, Eng JY, Yap KB, Hee LM, et al.	2017	Gerontology
Built Environment	289	How Is the Neighborhood Environment Related to the Health of Seniors Living in Hong Kong, Singapore, and	Loo BP, Lam WW, Mahendran R, Katagiri K.	2017	Annals of the American Association of Geographers
Built Environment	297	Elderly pedestrian injuries in Singapore	Wang Y, Haque MM, Chin HC.	2017	Journal of Transportation Safety and Security
Built Environment	782	Road Crashes in Older Persons and the Use of Comorbidity Polypharmacy Score in an Asian Population	Chua MT, Bhandari K, Ong VY, Kuan WS.	2017	Annals of the Academy of Medicine of Singapore
Built Environment	326	A supportive healthful housing environment for ageing: Singapore experiences and potentials for improvements	Bozovic-Stamenovic R.	2015	Asia Pacific Journal of Social Work and Development
Built Environment	330	Psychosocial Well-Being of the Elderly and Their Perception of Matured Estate in Singapore	Chong KH, Yow WQ, Loo D, Patrycia F.	2015	Journal of Housing for the Elderly

Built Environment	337	Mobility of the elderly in densely populated neighbourhoods in Singapore	Koh PP, Leow BW, Wong YD.	2015	Sustainable Cities and Society
Built Environment	808	Pedestrian safety index for evaluating street facilities in	Asadi-Shekari Z, Moeinaddini M, Shah	2015	Safety Science
Built Environment	810	Objective and subjective measures of neighborhood environment (NE): relationships with transportation	Nyunt MS, Shuvo FK, Eng JY, Yap KB, Scherer S, Hee LM, et al.	2015	International Journal of Behavioral Nutrition and Physical
Built Environment	336	Understanding the activities and areas of concern of elderly population: The case of Singapore	Kamilaris A, Kondepudi S, Danial N.	2015	Technology & Disability
Built Environment	355	Life Satisfaction among Elderly Households in Public Rental Housing in Singapore	Addae-Dapaah K, Juan QS.	2014	Health
Built Environment	823	Start-up time and walking speed in older adults under loaded conditions during simulated road crossing	Kong PW, Chua YK.	2014	Experimental Aging Research
Built Environment	832	Housing policy and asset building: exploring the role of home ownership in East Asian social policy	Lee J.	2013	China Journal of Social Work
Built Environment	380	Exploring the mobility preferences and perceived difficulties in using transport and driving with a sample of healthy and outpatient older adults in Singapore.	Krishnasamy C, Unsworth CA, Howie L.	2013	Australian Occupational Therapy Journal
Built Environment	394	Meeting the income needs of older people in East Asia: Using housing equity.	Doling J, Ronald R.	2012	Ageing and Society
Built Environment	406	New Issues In Singapore Public Housing From Elderly Perspective: case study.	Stamenovic RB.	2012	TECHNE: Journal of Technology for Architecture & Environment
Built Environment	415	The patterns of activity, and transport to activities among older adults in singapore	Krishnasamy C, Unsworth C, Howie L	2011	Hong Kong Journal of Occupational Therapy
Built Environment	A-001	Age segregation and the quality of life of the elderly people in studio apartments	Addae-Dapaah K.	2008	Journal of Housing for the Elderly
Healthcare Services - Help-seeking	91	Help-seeking from Traditional Healers among Singaporean Older Adults	Shahwan S, Abdin E, Vaingankar J, Shafie S, Chong SA, Subramaniam M.	2016	Asean Journal of Psychiatry
Healthcare Services - Help-seeking	554	Complementary and alternative medicine use amongst patients with cardiovascular disease in Singapore	Teo TY, Yap J, Shen T, Yeo KK.	2016	BMC Complementary and Alternative Medicine
Healthcare Services - Help-seeking	104	Negotiating biomedical and traditional Chinese medicine treatments among elderly Chinese Singaporean women	Chang L, Basnyat I.	2015	Qualitative Health Research
Healthcare Services - Help-seeking	400	Health-seeking behaviour among single elderly indian men on financial assistance in Singapore.	Krishnan P, Lim KM.	2012	Asian Journal of Gerontology and Geriatrics
Healthcare Services - Help-seeking	847	Religion, health beliefs and the use of mental health services by the elderly	Ng TP, Nyunt MS, Chiam PC, Kua EH.	2011	Aging and Mental Health

Healthcare Services - Help-seeking	753	Complementary and alternative medicine among Singapore cancer patients	Chow WH, Chang P, Lee SC, Wong A, Shen HM, Marieke Verkooijen H. et al.	2010	Annals of the Academy of Medicine of Singapore
Healthcare Services - Help-seeking	754	Use of complementary and alternative medicines and mental disorders in community-living Asian older adults	Feng L, Chiam PC, Kua EH, Ng TP.	2010	Archives of Gerontology and Geriatrics
Healthcare services - Help-seeking	A-024	Health beliefs and help seeking for depressive and anxiety disorders among urban Singaporean adults	Ng TP, Jin AZ, Ho R, Chua HC, Fones CS, Lim L.	2008	Psychiatric Services
Healthcare services - Home & Long Term Care	906	Utility of a Medical Alert Protection System compared to telephone follow-up only for home-alone elderly presenting to the ED - A randomized controlled trial	Ong NW, Ho AF, Chakraborty B, Fook-Chong S, Yogeswary P, Lian S, et al	2018	The American journal of emergency medicine
Healthcare services - Home & Long Term care	9	Evaluation of a care transition program with pharmacist-provided home-based medication review for elderly Singaporeans at high risk of readmissions.	Cheen MH, Goon CP, Ong WC, Lim PS, Wan CN, Leong MY, et al.	2017	Experimental Aging Research
Healthcare services - Home & Long Term care	291	Effectiveness of a multidisciplinary home-based medication review program in reducing healthcare utilization among older adult Singaporeans	Ong KY, Cheen MH, Chng JS, Chen LL, Ng SM, Lim SH, et al.	2017	Geriatrics & Gerontology International
Healthcare services - Home & Long Term care	465	An 11-Year Study of Home Hospice Service Trends in Singapore from 2000 to 2010	Ho BJ, Akhileswaran R, Pang GS, Koh GC.	2017	Journal of Palliative Medicine
Healthcare services - Home & Long Term care	475	Clinical and Socio-Demographic Predictors of Home Hospice Patients Dying at Home: A Retrospective Analysis of Hospice Care Association's Database in Singapore	Lee YS, Akhileswaran R, Ong EH, Wah W, Hui D, Ng SH, et al.	2017	Journal of Pain and Symptom Management
Healthcare services - Home & Long Term care	488	Classification trees for identifying non-use of community-based long-term care services among older adults	Penkunas MJ, Eom KY, Chan AW.	2017	Health Policy
Healthcare services - Home & Long Term care	783	Effect of caregiving relationship and formal long-term care service use on caregiver well-being	Eom K, Penkunas MJ, Chan AW.	2017	Geriatrics & Gerontology International
Healthcare services - Home & Long Term care	76	Healthcare service utilization in the first year after admission into home medical care among elderly patients in Singapore	Mittal R, Tan CS, Tham WY, Seong LP, Tan TL, Koh GC.	2016	Cogent Medicine
Healthcare services - Home & Long Term care	131	Singaporeans' Perceptions of and Attitudes Toward Long-Term Care Services	Wee SL, Hu AJ, Yong J, Chong WF, Raman P, Chan A.	2015	Qualitative Health Research

Healthcare services - Home & Long Term care	594	Integrating rheumatology care in the community: can shared care work?	Lim AY, Tan CS, Low BP, Lau TC, Tan TL, Goh LG, et al.	2015	The International Journal of Integrated Care
Healthcare services - Home & Long Term care	626	Factors and Trade-Offs With Rehabilitation Effectiveness and Efficiency in Newly Disabled Older Persons	Chow P, Chen C, Cheong A, Fong NP, Chan KM, Tan BY, et al.	2014	Archives of Physical Medicine and Rehabilitation
Healthcare services - Home & Long Term care	815	Implications of long-term care capacity response policies for an aging population: a simulation analysis	Ansah JP, Eberlein RL, Love SR, Bautista MA, Thompson JP, Malhotra R, et al.	2014	Health Policy
Healthcare services - Home & Long Term care	831	Factors associated with nursing home placement of all patients admitted for inpatient rehabilitation in Singapore community hospitals from 1996 to 2005: a disease	Chen C, Naidoo N, Er B, Cheong A, Fong NP, Tay CY, et al.	2013	PLoS One
Healthcare services - Home & Long Term care	414	Post acute care of the elderly in singapore what factors influence use of services	Goh SN.	2011	Asian Pacific Journal of Social Work
Healthcare services - Healthcare utilization	863	Frequent attenders at the emergency department: an analysis of characteristics and utilisation trends	Chan JS, Tin AS, Chow WL, Tiah L, Tiru M, Lee CE.	2018	Proceedings of Singapore Healthcare
Healthcare services - Healthcare utilization	872	Pharmacist-initiated deprescribing in hospitalised elderly: prevalence and acceptance by physicians	Cheong ST, Ng TM, Tan KT.	2018	European Journal of Hospital Pharmacy Science and Practice
Healthcare services - Healthcare utilization	873	Improving prescribing for older patients - 'Yes S-I-R-E!'	Cheong TT, Alhamid SM, Li FY, Ang ST, Lim KH.	2018	Singapore Medical Journal
Healthcare services - Healthcare utilization	926	90-Day Hospital Readmissions of Patients in a Geriatric Acute Care Ward in Singapore	Tan RR, Toh HJ, Yap PL, Jiao N, Wang W.	2018	Clinical Nursing Research
Healthcare services - Healthcare utilization	440	Association between the elderly frequent attender to the emergency department and 30-day mortality: A retrospective study over 10 years	Shen Y, Tay YC, Teo EW, Liu N, Lam SW, Ong ME.	2018	World Journal of Emergency Medicine
Healthcare services - Healthcare utilization	777	Service use, advance planning and lifestyle changes following cognitive screening in primary healthcare in Singapore	Lee JJ, Thompson CL, Shaik MA, Wan E, Chen CL, Dong YH.	2018	International Psychogeriatrics
Healthcare services - Healthcare utilization	796	Factors associated with prolonged length of stay in older patients	Toh HJ, Lim ZY, Yap P, Tang T.	2017	Singapore Medical Journal

Healthcare services - Healthcare utilization	46	Where to go if not the hospital? Reviewing geriatric bed utilization in an acute care hospital in Singapore	Zhou K, Vidyarthi AR, Wong CH, Matchar D.	2017	Geriatrics & Gerontology International
Healthcare services - Healthcare utilization	449	Influenza-Associated Hospitalizations for Cardiovascular Diseases in the Tropics	Ang LW, Yap J, Lee V, Chng WQ, Jaufeerally FR, Lam CS, et al.	2017	American Journal of Epidemiology
Healthcare services - Healthcare utilization	483	Trend and predictors of unplanned hospitalization of older patients during the first year after admission into a home medical service	Mittal R, Tan CS, Tham WY, Seong LP, Tan TL, Koh GC.	2017	Home Health Care Services Quarterly
Healthcare services - Healthcare utilization	18	Association of loneliness and healthcare utilization among older adults in Singapore	Lim KK, Chan A.	2017	Geriatrics & Gerontology International
Healthcare services - Healthcare utilization	571	Factors Contributing to Inappropriate Visits of Frequent Attenders and Their Economic Effects at an Emergency Department in Singapore	Boh C, Li H, Finkelstein E, Haaland B, Xin X, Yap S, et al.	2015	Academic Emergency Medicine
Healthcare services - Healthcare utilization	100	Medication discrepancies and associated risk factors identified among elderly patients discharged from a tertiary hospital in Singapore	Akram F, Huggan PJ, Lim V, Huang Y, Siddiqui FJ, Assam PN, et al.	2015	Singapore Medical Journal
Healthcare services - Healthcare utilization	630	Short-term outcomes of seniors aged 80 years and older with acute illness: hospitalist care by geriatricians and other internists compared	Ding YY, Sun Y, Tay JC, Chong WF.	2014	Journal of Hospital Medicine
Healthcare services - Healthcare utilization	682	Cancer physicians' attitude towards treatment of the elderly cancer patient in a developed Asian country	Pang A, Ho S, Lee SC.	2013	BMC Geriatrics
Healthcare services - Healthcare utilization	699	A Subacute Model of Geriatric Care for Frail Older Persons: The Tan Tock Seng Hospital Experience	Chong MS, Empensando EF, Ding YY, Tan TL.	2012	Annals Academy of Medicine Singapore
Healthcare services - Healthcare utilization	707	The knowledge-attitude dissociation in geriatric education: can it be overcome?	Koh GC, Merchant RA, Lim WS, Amin Z.	2012	Annals of the Academy of Medicine of Singapore
Healthcare services - Healthcare utilization	838	Self-reported chronic diseases and health status and health service utilization - Results from a community health survey in Singapore	George PP, Heng BH, Molina JA, Wong LY, Lin NC, Cheah JT.	2012	International Journal for Equity in Health

Healthcare services - Healthcare utilization	766	Predictors of frequent attenders of emergency department at an acute general hospital in Singapore	Paul P, Heng BH, Seow E, Molina J, Tay SY.	2010	Emergency Medicine Journal
Healthcare services-Healthcare utilization	B-003	Attitudes towards the elderly among Singapore medical students	Cheong SK, Wong TY, Koh GC.	2009	Annals of the Academy of Medicine, Singapore
Healthcare Services - Healthcare utilization	B-005	Profiling acute presenting symptoms of geriatric patients attending an Urban Hospital Emergency Department	Foo CL, Chan KC, Goh HK, Seow E.	2009	Annals of the Academy of Medicine Singapore
Healthcare services - Healthcare utilization	B-031	Factors predicting inpatient rehabilitation length of stay of acute stroke patients in Singapore	Tan WS, Heng BH, Chua KS, Chan KF.	2009	Archives of physical medicine and rehabilitation
Healthcare services - Healthcare utilization	B-034	A review of elderly injuries seen in a Singapore emergency department	Yeo YY, Lee SK, Lim CY, Quek LS, Ooi SB.	2009	Singapore medical journal
Healthcare services - Healthcare utilization	A-045	Rehabilitation outcomes in elderly patients with traumatic brain injury in Singapore	Yap SG, Chua KS.	2008	The Journal of Head Trauma Rehabilitation
Policy & Planning	852	Old-age dependency: is it really increasing in aging	Abeyasinghe T.	2018	Applied Economics Letters
Policy & Planning	938	Health insurance reforms in Singapore and Hong Kong: How the two ageing asian tigers respond to health	Yin JD, He AJ.	2018	Health Policy
Policy & Planning	857	Lifetime cost for type 2 diabetes mellitus in Singapore	Ang YG, Yap CW, You AX.	2018	Journal of Diabetes
Policy & Planning	787	Sustainable Health Care Financing: The Singapore Experience	Lim J.	2017	Global Policy
Policy & Planning	784	Enhancing Singapore's Pension Scheme: A Blueprint for Further Flexibility	Kwong KS, Tse YK, Chan WS.	2017	Risks
Policy & Planning	785	Singapore's life program: actuarial framework, longevity risk and impact of annuity fund return	Kwong KS, Tse YK, Chan WS.	2017	Singapore Economic Review
Policy & Planning	292	The Politics of Population Aging in Singapore and Taiwan. A Comparison." Asian Survey	Sciubba JD, Chen CK.	2017	Asian Survey
Policy & Planning	322	Current and future economic burden of diabetes among working-age adults in Asia: conservative estimates for	Png ME, Yoong J, Phan TP, Wee HL.	2016	BMC Public Health
Policy & Planning	803	Economic burden of multimorbidity among older adults: impact on healthcare and societal costs	Picco L, Achilla E, Abdin E, Chong SA, Vaingankar JA, McCrone P, et al.	2016	BMC Health Services Research
Policy & Planning	813	Lessons to Exchange: A Comparison of Long-Term Care Between Two Cultures: Uganda and Singapore	Tam WJ, Yap P.	2015	Journal of the American Medical Directors Association
Policy & Planning	569	Projection of young-old and old-old with functional disability: does accounting for the changing educational composition of the elderly population make a difference?	Ansah JP, Malhotra R, Lew N, Chiu CT, Chan A, Bayer S, et al.	2015	PLoS One

Policy & Planning	101	Future requirements for and supply of ophthalmologists for an aging population in Singapore	Ansah JP, De Korne D, Bayer S, Pan C, Jayabaskar T, Matchar DB, et al.	2015	Human Resources for Health
Policy & Planning	814	Towards universal health coverage: The national health insurance in Singapore	Ulbinaitė A, Wong GP.	2015	International Journal of Applied Systemic Studies
Policy & Planning	360	Asset impacts on life satisfaction in an asset-rich country: focusing on older adults in Singapore	Hong SI, Han CK.	2014	Social indicators research
Policy & Planning	657	Modelling for insight: The case of dementia in singapore	Thompson JP, Riley CM, Eberlein RL.	2014	Systems Research and Behavioral Science
Policy & Planning	375	Affordability of cancer treatment for aging cancer patients in Singapore: an analysis of health, lifestyle, and financial	Chan A, Chiang YY, Low XH, Yap KY, Ng R.	2013	Supportive Care in Cancer
Policy & Planning	391	Intestacy law in Australia, England and Singapore-another aid to social sustainability in an ageing population?	Burns F.	2012	Singapore Journal of Legal Studies
Policy & Planning	851	The Willingness to Spend on Healthcare: Evidence from Singapore	Gan LL, Frederick JR.	2010	Review of Applied Economics
Prevention- Health behaviour	494	Alcohol drinking and cigarette smoking in relation to risk of active tuberculosis: prospective cohort study	Soh AZ, Chee CB, Wang YT, Yuan JM, Koh WP.	2017	BMJ Open Respiratory Research
Prevention- Health behaviour	536	Prevalence and predictors of tobacco use in the elderly	Pang S, Subramaniam M, Abdin E, Lee SP, Chua BY, Shafie SB, et al.	2016	International Journal of Geriatric Psychiatry
Prevention- Health behaviour	552	A salutogenic program to enhance sense of coherence and quality of life for older people in the community: A feasibility randomized controlled trial and process	Tan KK, Chan SW, Wang W, Vehviläinen J, Julkunen K.	2016	Patient Education and Counseling
Prevention- Health behaviour	102	Self-care for Older People (SCOPE): A cluster randomised controlled trial of self-care training and health outcomes in low-income elderly in Singapore	Chan A, Matchar DB, Tsao MA, Harding S, Chiu CT, Tay B, et al.	2015	Contemporary Clinical Trials
Prevention- Health behaviour	356	Seeking and processing information for health decisions among elderly Chinese Singaporean women	Chang L, Basnyat I, Teo D.	2014	Journal of Women & Aging
Prevention- Health behaviour	637	The effect of test kit provision, and individual and family education on the uptake rates of fecal occult blood test in an Asian population: a randomized controlled trial	Ha TC, Yong SK, Yeoh KW, Kamberakis K, Yeo RM, Koh GC.	2014	Cancer Causes Control
Prevention- Health behaviour	643	Cigarette smoking and risk of total knee replacement for severe osteoarthritis among Chinese in Singapore--the Singapore Chinese health study	Leung YY, Ang LW, Thumboo J, Wang R, Yuan JM, Koh WP.	2014	Osteoarthritis Cartilage

Prevention- Health behaviour	193	Smoking cessation and mortality among middle-aged and elderly Chinese in Singapore: The Singapore Chinese health	Lim SH, Tai BC, Yuan JM, Mimi CY, Koh WP.	2013	Tobacco Control
Prevention- Health behaviour	722	Demographic and lifestyle characteristics associated with nonwillingness to participate in health promotion programmes among adults of a lower socioeconomic	Wei Ling Ng C, Heng B, Molina J, Wong L, George P, Cheah J.	2012	Global Health Promotion
Prevention- Health behaviour	773	Smoking, socioeconomic factors, and age-related cataract: The Singapore Malay Eye study	Wu R, Wang JJ, Mitchell P, Lamoureux EL, Zheng Y, Rochtchina E, et al.	2010	Archives of Ophthalmology
Prevention - Health behaviour	A-033	Morbidity and mortality in relation to smoking among women and men of Chinese ethnicity: The Singapore	Shankar A, Yuan JM, Koh WP, Lee HP, Mimi CY.	2008	European Journal of Cancer
Prevention - Medication	447	Patients' Perception of App-based Educational and Behavioural Interventions for Enhancing Oral Anticancer	Ali EE, Leow JL, Chew L, Yap KY.	2017	Journal of Cancer Education
Prevention - Medication	624	Adherence to premixed insulin in a prefilled pen compared with a vial/syringe in people with diabetes in Singapore	Cheen HH, Lim SH, Huang MC, Bee YM, Wee HL.	2014	Clinical Therapeutics
Prevention - Medication	691	Use of clozapine in older Asian patients with schizophrenia between 2001 and 2009	Xiang YT, Buchanan RW, Ungvari GS, Chiu HF, Lai KY, Li YH, et al.	2013	PLoS One
Prevention - Medication	716	Knowledge of prescription medications among cancer patients aged 65years and above	Si P, Koo KN, Poon D, Chew L.	2012	Journal of Geriatric Oncology
Prevention - Medication	723	Common use of antipsychotic polypharmacy in older Asian patients with schizophrenia (2001-2009)	Xiang YT, Dickerson F, Kreyenbuhl J, Ungvari GS, Wang CY, Si TM, et al.	2012	Journal of Clinical Psychopharmacology
Prevention - Medication	694	Adherence to osteoporosis medications amongst Singaporean patients	Cheen MH, Kong MC, Zhang RF, Tee FM, Chandran M.	2012	Osteoporosis International
Prevention - Medication	740	Persistence of Patients Receiving Topical Glaucoma Monotherapy in an Asian Population	Quek DT, Ong GT, Perera SA, Lamoureux EL, Aung T.	2011	Archives of Ophthalmology
Prevention - Medication	265	Monthly take-home methadone maintenance regime for elderly opium-dependent users in Singapore	Guo S, Winslow M, Manning V, Thane KK.	2010	Annals of the Academy of Medicine of Singapore
Prevention - Medication	B-028	Complementary and alternative medicine (CAM) usage in Singaporean adult cancer patients	Shih V, Chiang JY, Chan A.	2009	Annals of oncology : official journal of the European Society for Medical Oncology
Prevention - Nutrition	438	Vitamin B12 deficiency and impaired expression of amnionless during aging	Pannérec A, Migliavacca E, De Castro A, Michaud J, Karaz S, Goulet L, et al.	2018	Journal of Cachexia, Sarcopenia and Muscle
Prevention - Nutrition	916	Dairy intake and risk of type 2 diabetes	Talaei M, Pan A, Yuan JM, Koh WP.	2018	Clinical Nutrition
Prevention - Nutrition	866	Coffee, tea, caffeine, and risk of hypertension: The Singapore Chinese Health Study	Chei CL, Loh JK, Soh A, Yuan JM, Koh WP.	2018	European Journal of Nutrition

Prevention - Nutrition	867	Diet quality indices and risk of type 2 diabetes mellitus the Singapore Chinese Health Study	Chen GC, Koh WP, Neelakantan N, Yuan JM, Qin LQ, van Dam RM.	2018	American Journal of Epidemiology
Prevention - Nutrition	868	Green leafy and cruciferous vegetable consumption and risk of type 2 diabetes: results from the Singapore Chinese Health Study and meta-analysis	Chen GC, Koh WP, Yuan JM, Qin LQ, van Dam RM.	2018	British Journal of Nutrition
Prevention - Nutrition	880	Coffee and tea drinking in relation to risk of hip fracture in the Singapore Chinese Health Study	Dai Z, Jin A, Soh AZ, Ang LW, Yuan JM, Koh WP.	2018	Bone
Prevention - Nutrition	904	Diet-quality indexes are associated with a lower risk of cardiovascular, respiratory, and all-cause mortality among	Neelakantan N, Koh WP, Yuan JM, van Dam RM.	2018	Journal of Nutrition
Prevention - Nutrition	912	Rice intake and risk of type 2 diabetes: the Singapore Chinese Health Study	Seah JY, Koh WP, Yuan JM, van Dam RM.	2018	European Journal of Nutrition
Prevention - Nutrition	498	The association between dairy product intake and cardiovascular disease mortality in Chinese adults	Talaei M, Koh WP, Yuan JM, Pan A.	2017	European Journal of Nutrition
Prevention - Nutrition	628	Adherence to a vegetable-fruit-soy dietary pattern or the Alternative Healthy Eating Index is associated with lower hip fracture risk among Singapore Chinese	Dai Z, Butler LM, van Dam RM, Ang LW, Yuan JM, Koh WP.	2014	Journal of Nutrition
Prevention - Nutrition	640	Malnutrition in older adults on financial assistance in an urban Asian country: a mixed methods study	Koo YX, Kang ML, Auyong A, Liao GZ, Hoe J, Long M, et al.	2014	Public Health Nutrition
Prevention - Nutrition	648	Tea consumption and physical function in older adults: a cross-sectional study	Ng TP, Aung KC, Feng L, Nyunt MS, Yap KB.	2014	The Journal of Nutrition, Health and Aging
Prevention - Nutrition	650	Dietary and supplemental antioxidant and anti-inflammatory nutrient intakes and pulmonary function	Ng TP, Niti M, Yap KB, Tan WC.	2014	Public Health Nutrition
Prevention - Nutrition	715	Curcumins-rich curry diet and pulmonary function in Asian older adults	Ng TP, Niti M, Yap KB, Tan WC.	2012	PLoS One
Prevention - Nutrition	222	One-carbon metabolism nutrient status and plasma S-adenosylmethionine concentrations in middle-aged and older Chinese in Singapore	Inoue-Choi M, Nelson HH, Robien K, Arning E, Bottiglieri T, Koh WP, et al.	2012	International Journal of Molecular Epidemiology and Genetics
Prevention - Nutrition	734	Coffee consumption and reduced risk of hepatocellular carcinoma: findings from the Singapore Chinese Health	Johnson S, Koh WP, Wang R, Govindarajan S, Mimi CY, Yuan JM.	2011	Cancer Causes Control
Prevention - Nutrition	749	A vegetable-fruit-soy dietary pattern protects against breast cancer among postmenopausal Singapore Chinese	Butler LM, Wu AH, Wang R, Koh WP, Yuan JM, Yu MC.	2010	American Journal of Clinical Nutrition
Prevention - Nutrition	768	Coffee intake and risk of colorectal cancer among Chinese in Singapore: the Singapore Chinese Health Study	Peterson S, Yuan JM, Koh WP, Sun CL, Wang R, et al.	2010	Nutrition and Cancer
Prevention - Nutrition	B-025	Reproductive variables, soy intake, and lung cancer risk among nonsmoking women in the Singapore Chinese	Seow A, Koh WP, Wang R, Lee HP, Mimi CY.	2009	Cancer Epidemiology Biomarkers and Prevention

Prevention - Nutrition	A-022	Tea consumption and cognitive impairment and decline in older Chinese adults	Ng TP, Feng L, Niti M, Kua EH, Yap KB.	2008	American Journal of Clinical Nutrition
Prevention - Nutrition	A-026	Coffee, tea, and incident type 2 diabetes: the Singapore Chinese Health Study	Odegaard AO, Pereira MA, Koh WP, Arakawa K, Lee HP, Yu MC.	2008	American Journal of Clinical Nutrition
Prevention - Nutrition	A-039	Soy intake and breast cancer risk in Singapore Chinese Health Study	Wu AH, Koh WP, Wang R, Lee HP, Yu MC.	2008	British Journal of Cancer
Prevention - Nutrition	A-040	Green tea, soy, and mammographic density in Singapore Chinese women	Wu AH, Ursin G, Koh WP, Wang R, Yuan JM, Khoo KS, et al	2008	Cancer Epidemiology Biomarkers and Prevention
Prevention - Vaccination	861	Healthy elderly Singaporeans show no age-related humoral hyporesponsiveness nor diminished plasmablast generation in response to influenza vaccine 11 Medical and Health Sciences 1117 Public Health and Health Services 11 Medical and Health Sciences 1107 Immunology 11 Medical and Health Sciences 1103 Clinical Sciences	Camous X, Visan L, Ying CT, Abel B, Nyunt MS, Narang V, et al	2018	Immunity and Ageing
Prevention - Vaccination	903	Influenza vaccine-induced antibody responses are not impaired by frailty in the community-dwelling elderly with natural influenza exposure	Narang V, Lu Y, Tan C, Camous XF, Nyunt SZ, Carre C, et al	2018	Frontiers in Immunology
Prevention - Vaccination	5	Epidemiological characteristics associated with uptake of pneumococcal vaccine among older adults living in the community in Singapore: Results from the National Health	Ang LW, Cutter J, James L, Goh KT.	2017	Epidemiology and Infection
Prevention - Vaccination	6	Factors associated with influenza vaccine uptake in older adults living in the community in Singapore	Ang LW, Cutter J, James L, Goh KT.	2017	Scandinavian Journal of Public Health
Prevention - Vaccination	486	Cost-effectiveness analysis of herpes zoster vaccine in adults above 50 in Singapore	Pan J, Hsu TY, Johnson KD, Xu R, Acosta CJ, Kawai K.	2017	Dermatologica Sinica
Prevention - Vaccination	515	Prevalence of diphtheria and tetanus antibodies among adults in Singapore: a national serological study to identify most susceptible population groups	Ang LW, James L, Goh KT.	2016	Journal of Public Health
Social - Community programmes	2	Effects of Playback Theatre on cognitive function and quality of life in older adults in Singapore: A preliminary	Chung KS, Lee ES, Tan JQ, Teo DJ, Lee CB, Ee SR, et al.	2018	Australasian Journal on Ageing
Social - Community programmes	792	Evaluation of an integrated primary care-led dementia shared care program in Singapore: An effectiveness and	Saxena N, George PP, Teo KW, Tan WS, Ng C, Heng BH, et al.	2017	Geriatrics & Gerontology International
Social - Community programmes	660	Effectiveness of a national transitional care program in reducing acute care use	Wee SL, Loke CK, Liang C, Ganesan G, Wong LM, Cheah J.	2014	Journal of the American Geriatrics Society
Social - Community programmes	693	Effects of music on depression in older people: a randomised controlled trial	Chan MF, Wong ZY, Onishi H, Thayala NV.	2012	Journal of Clinical Nursing

Social - Community programmes	741	The Community Psychogeriatric Programme: a pilot project in the eastern sector of Singapore	Sin GL, Ng LL.	2011	Singapore Medical Journal
Social - Community programmes	417	Reflective Dialogues in Community Music Engagement: An Exploratory Experience in a Singapore Nursing Home and Day-Care Centre for Senior Citizens	Lum CH.	2011	International Journal of Community Music
Social - Caregiving	862	Relationship Between Mastery and Caregiving Competence in Protecting Against Burden, Anxiety and Depression Among Caregivers of Frail Older Adults	Chan EY, Glass G, Chua KC, Ali N, Lim WS.	2018	Journal of Nutrition, Health and Aging
Social - caregiving	871	Will teenagers today live with and care for their aged parents tomorrow?	Cheong CY, Ha NH, Choo RW, Yap PL.	2018	Geriatrics & gerontology international
Social - Caregiving	889	Caregiving burden in foreign domestic workers caring for frail older adults in Singapore	Ha NH, Chong MS, Choo RW, Tam WJ, Yap PL.	2018	International Psychogeriatrics
Social - Caregiving	901	Trajectories of positive aspects of caregiving among family caregivers of stroke-survivors: the differential impact of	Malhotra R, Chei CL, Menon EB, Chow WL, Quah S, Chan A, et al.	2018	Topics in Stroke Rehabilitation.
Social - Caregiving	911	The hidden patient: Chronic physical morbidity, psychological distress, and quality of life in caregivers of	Sambasivam R, Liu J, Vaingankar JA, Ong HL, Tan ME, Fauziana R, et al	2018	Psychogeriatrics
Social - Caregiving	922	Post-intervention sustainability of a brief psycho-educational support group intervention for family	Tan JY, Lam KF, Lim HA, Chua SM, Kua EH, Griva K, et al	2018	Asia-Pacific Psychiatry
Social - Caregiving	778	Resilience and burden in caregivers of older adults: moderating and mediating effects of perceived social	Ong HL, Vaingankar JA, Abdin E, Sambasivam R, Fauziana R, Tan ME, et	2018	BMC Psychiatry
Social - Caregiving	779	The Role of a Multicomponent Home-Health Intervention in Reducing Caregiver Stress in Singapore: A Qualitative Study	Penkunas MJ, Chan AW, Wong CH, de Korne DF, Tan SM, Wong SF.	2018	The Journals of Gerontology. Series B, Psychological Sciences and Social Sciences
Social - Caregiving	883	Positive Caregiving Characteristics as a Mediator of Caregiving Burden and Satisfaction With Life in Caregivers	Fauziana R, Sambasivam R, Vaingankar JA, Abdin E, Ong HL, Tan ME, et al	2018	Journal of Geriatric Psychiatry and Neurology
Social - Caregiving	795	I Can't Do This Alone: a study on foreign domestic workers providing long-term care for frail seniors at home	Tam WJ, Koh GC, Legido-Quigley H, Ha NH, Yap PL.	2017	International Psychogeriatrics
Social - Caregiving	780	Expressive social support buffers the impact of care-related work interruptions on caregivers' depressive	Ang S, Malhotra R.	2017	Aging Ment Health
Social - Caregiving	290	Experiences of Formal and Informal Caregivers of Older Persons in Singapore	Mehta KK, Leng TL.	2017	Journal of Cross-Cultural Gerontology
Social - Caregiving	280	Caregiving-related needs of family caregivers of older	Ajay S, Østbye T, Malhotra R.	2017	Australasian Journal on Ageing
Social - Caregiving	468	Bringing the Family in through the Back Door: the Stealthy Expansion of Family Care in Asian and European Long-Term	Kodate N, Timonen V.	2017	Journal of Cross-Cultural Gerontology

Social - Caregiving	507	Net informal costs of dementia in singapore	Woo LL, Thompson CL, Dong YH.	2017	Journal of Clinical Gerontology and Geriatrics
Social - Caregiving	508	Monetary cost of family caregiving for people with dementia in Singapore	Woo LL, Thompson CL, Magadi H.	2017	Archives of Gerontology and Geriatrics
Social - Caregiving	293	Contextual Challenges and the Mosaic of Support: Understanding the Vulnerabilities of Low-Income Informal Caregivers of Dependent Elders in Singapore.	Suen J, Thang LL.	2017	Journal of Cross-Cultural Gerontology
Social - Caregiving	805	Structured interviews examining the burden, coping, self-efficacy, and quality of life among family caregivers of persons with dementia in Singapore	Tay KC, Seow CC, Xiao C, Lee HM, Chiu HF, Chan SW.	2016	Dementia-International Journal of Social Research and Practice
Social - Caregiving	513	The Societal Cost of Dementia in Singapore: Results from the WiSE Study	Abdin E, Subramaniam M, Achilla E, Chong SA, Vaingankar JA, Picco L, et al.	2016	Journal of Alzheimer's Disease
Social - Caregiving	514	Psychiatric morbidity and its correlates among informal caregivers of older adults	Vaingankar JA, Chong SA, Abdin E, Picco L, Shafie S, Seow E, et al.	2016	Comprehensive Psychiatry
Social - Caregiving	538	Comprehensive Geriatric Assessment (CGA) based risk factors for increased caregiver burden among elderly Asian	Rajasekaran T, Tan T, Ong WS, Koo KN, Chan L, Poon D, et al.	2016	Journal of Geriatric Oncology
Social - Caregiving	557	Care participation and burden among informal caregivers of older adults with care needs and associations with	Vaingankar JA, Chong SA, Abdin E, Picco L, Jeyagurunathan A, Zhang Y, et	2016	International Psychogeriatrics
Social - Caregiving	325	Lived experience of caregivers of persons with dementia and the impact on their sense of self: a qualitative study in	Tuomola J, Soon J, Fisher P, Yap P.	2016	Journal of Cross-Cultural Gerontology
Social - Caregiving	797	Projecting the effects of long-term care policy on the labor market participation of primary informal family caregivers of elderly with disability: insights from a dynamic	Ansah JP, Matchar DB, Malhotra R, Love SR, Liu C, Do Y.	2016	BMC Geriatrics
Social - Caregiving	802	Prevalence and Risk Factors of Caregiver Dependence among Older Adults in a Southeast Asian Population	Picco L, Abdin E, Vaingankar JA, Pang S, Shafie S, Sambasivam R, et al.	2016	Annals of the Academy of Medicine of Singapore
Social - Caregiving	804	Singaporean Caregivers' Experiences of Placing a Relative into Long Term Care	Ramanathan R, Fisher P.	2016	Clinical Gerontologist
Social - Caregiving	372	Singapore's changing demography, the eldercare predicament and transnational 'care' migration.	Yeoh BS, Huang S.	2014	TRaNS: Trans-Regional and - National Studies of Southeast
Social - Caregiving	826	Older person behavioral and psychological symptoms (BPS) and functional limitations mediate the association between older person cognitive impairment and	Malhotra R, Chei CL, Østbye T, Chan A, Matchar DB.	2014	Archives of Gerontology and Geriatrics
Social - Caregiving	833	Does support from foreign domestic workers decrease the negative impact of informal caregiving? Results from Singapore survey on informal caregiving	Østbye T, Malhotra R, Malhotra C, Arambepola C, Chan A.	2013	The Journals of Gerontology. Series B, Psychological Sciences and Social Sciences

Social - Caregiving	835	Perceived unmet needs of informal caregivers of people with dementia in Singapore	Vaingankar JA, Subramaniam M, Picco L, Eng GK, Shafie S, Sambasivam R, et	2013	International Psychogeriatrics
Social - Caregiving	180	Health Impacts of Caregiving for Older Adults With Functional Limitations: Results From the Singapore Survey	Chan A, Malhotra C, Malhotra R, Rush AJ, Østbye T.	2013	Journal of Aging and Health
Social - Caregiving	374	Simulating the Impact of Long-Term Care Policy on Family Eldercare Hours	Ansah JP, Matchar DB, Love SR, Malhotra R, Do YK, Chan A, et al.	2013	Health Services Research
Social - Caregiving	378	Caring for my wife: voices from Malay older husbands in Singapore.	Han CK, Jupri IB.	2013	Asia Pacific Journal of Social Work and Development
Social - Caregiving	397	Caring for the elderly: The embodied labour of migrant care workers in Singapore.	Huang S, Yeoh BS, Toyota M.	2012	Global Networks
Social - Caregiving	404	Expert estimates of caregiver hours for older Singaporeans with dementia.	Riley CM, Haaland BA, Love SR, Matchar DB.	2012	Australasian Journal on Ageing
Social - Caregiving	408	Future living arrangements of Singaporeans with age-related dementia.	Thompson JP, Riley CM, Eberlein RL, Matchar DB.	2012	International Psychogeriatrics
Social - Caregiving	B-016	Growing and gaining through caring for a loved one with Singapore: Characteristics of family caregivers and care recipients and their caregiving experiences	Netto NR, Jenny GY, Philip YL.	2009	Dementia (14713012)
Social - Caregiving	A-012	Older persons with minimal or no family support: Past, present, and future	Guat TN.	2008	Hallym International Journal of Aging
Social - Caregiving	A-021	Awareness and utilization of community resources for hospitalized elderly by primary caregiver	Ng GT.	2008	Social Development Issues: Alternative Approaches to Global Human Needs
Social - Caregiving	A-038	Prevalence and correlates of elder mistreatment in	Tuan CM, Ali NBM, Arumugam GDO.	2008	Singapore Nursing Journal
Social - elder abuse	877	Reforming the Law: Protecting the Elderly in Singapore.	Chokkanathan S.	2018	Journal of Elder Abuse & Neglect
Social - Elder abuse	382	Epidemiology of suspected elderly mistreatment in	Hao LZ, Xian PS.	2013	Singapore Law Review
Social - elder abuse	A-013	Suicide trends in Singapore: 1955-2004	Haur PD, Ng TW, Seow E.	2008	Singapore Medical Journal
Social - Elderly suicide	850	A cross-national study of the relationship between elderly suicide rates and life expectancy and markers of socioeconomic status and health care	Chia BH, Chia A, Yee NW, Choo TB.	2010	Archives of Suicide Research
Social - Elderly suicide	A-030	Severity of depression and suicidal ideations among elderly people in Singapore	Shah A, Bhat R, MacKenzie S, Koen C.	2008	International Psychogeriatrics
Social - Elderly suicide	A-037	The experience of counseling among a Singaporean elderly population: a qualitative account of what clients report as	Tan LL, Wong HB.	2008	International Psychogeriatrics
Social - Counselling	318		Mathews M.	2016	Journal of Cross-Cultural Gerontology

Social - Employment	281	Challenges faced by older nurses in Singapore: a mixed methods study	Ang SY, Ayoob SB, Hussain NB, Uthaman T, Adenan H, Chiang P, et al.	2017	International Nursing Review
Social - Employment	791	A snapshot survey of perceptions of healthcare professionals on ageing surgeons	Rajaratnam V, Kumar CM, Chowdhury AR, Su C.	2017	Postgraduate Medical Journal
Social - Employment	288	The policies, practices and predicaments of senior employment in Hong Kong and Singapore	Higgins P, Vyas L.	2017	Ageing and Society
Social - Employment	294	Employment status among the Singapore elderly and its correlates	Tan ME, Sagayadevan V, Abdin E, Picco L, Vaingankar J, Chong SA, et al.	2017	Psychogeriatrics
Social - Employment	300	Older nurses in Singapore: Factors associated with attitudes towards extending working life	Ang SY, Ayoob SB, Hussain NB, Uthaman T, Adenan H, Chiang P, et al.	2016	Proceedings of Singapore Healthcare
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