SI 7 Health Promotion Research

Healthy University Rating System (HURS) 2026 – System and Infrastructure (SI 7.1 and SI 7.2)

University	Siam University
Country	Thailand
Web Address	https://sustainability.siam.edu/
Reference year	2024-2025
Data source	The 298 unique scholarly publications reported in GI 9, screened for health promotion content
Research database	https://e-research.siam.edu/

SI 7.1 – level selected	**<25% of Research Initiatives** – 50 of 298 university-level research initiatives (16.8%) focus on health promotion.
SI 7.2 – level selected	**51-75% of Faculties/Institutes** – 11 of 15 faculties/institutes (73.3%) carried out health promotion research in 2024-2025.

SI 7.1 Core Health Promotion Research Activities at University Level

How the figure was calculated

- **Denominator:** 298 unique research initiatives (the GI 9 figure), each counted once.
- **Included:** research on disease prevention, lifestyle and self-care, mental well-being, maternal and reproductive health, occupational health, tobacco and substance use, health literacy, health services and public health policy, plus clinical and biomedical research that supports these goals.
- **Excluded:** business, marketing, management, education and law studies with no health outcome, even when tagged SDG 3 (17 items).
- **Result:** 50 ÷ 298 × 100 = 16.8%, which falls in the band **"<25% of Research Initiatives".**

Table SI 7.1.1 – Health promotion research by area

Area of health promotion research	Number	Share of health promotion research (n = 50)	Share of all research (n = 298)
A. Health promotion and disease prevention	**30**	**60.0%**	**10.1%**
HP 1 – Health literacy and consumer health protection	4	8.0%	1.3%
HP 2 – Mental well-being	5	10.0%	1.7%
HP 5 – Healthy diet, NCD prevention and self-care	5	10.0%	1.7%
HP 6 – Maternal, sexual and reproductive health	5	10.0%	1.7%
HP 7 – Occupational health, work-life and healthy ageing	3	6.0%	1.0%
ZT 1 / ZT 3 – Tobacco, e-cigarettes and cannabis	3	6.0%	1.0%
SI 3 – Health services, infection prevention and public health policy	5	10.0%	1.7%
B. Clinical and biomedical research supporting health promotion	**20**	**40.0%**	**6.7%**

Area of health promotion research	Number	Share of health promotion research (n = 50)	Share of all research (n = 298)
Biomedical, pharmaceutical and nutrition science	8	16.0%	2.7%
Clinical and diagnostic research	8	16.0%	2.7%
Health-professions education	4	8.0%	1.3%
Total health promotion research	**50**	**100%**	**16.8%**

Each initiative is counted once, under its main area. HP, ZT and SI codes refer to the HURS 2026 items the research supports.

Table SI 7.1.2 – Health promotion research by type and indexing

Type and indexing	Number	Share (n = 50)
Journal articles	**46**	**92.0%**
Scopus quartile: Q1 13, Q2 4, Q3 1, Q4 2	20	40.0%
Thai Citation Index: tier 1 10, tier 2 14, tier 3 2	26	52.0%
Conference papers	**4**	**8.0%**
Total	**50**	**100%**

Quartile and TCI tier as stated in the citations.

Highlights

- **Community and consumer health:** a surveillance and health literacy network for medical cannabis use in Nakhon Nayok Province (ref. 287); drugs and health products in the Sangkhla Buri border district (107); irrational antibiotic use among online media users (294).
- **Lifestyle interventions for NCDs:** sodium-reducing measuring tubes for patients with hypertension (292); the DSC application for patients with chronic NCDs (100); foot-care behaviour in type 2 diabetes (63); community pharmacist weight management services (10).
- **Mental well-being of older adults:** a LINE-based social support programme for stress during COVID-19 (102) and factors affecting stress (94).
- **Worker and maternal health in public hospitals:** musculoskeletal disorders among central sterile supply staff (52, 59); preterm birth risk (53); delivery-room innovations (103, 295).
- **Research quality:** 46 of the 50 initiatives are journal articles; 13 appear in Scopus Q1 journals.

Table SI 7.1.3 – List of university-level health promotion research initiatives, 2024-2025

No.	GI 9 ref.	Research initiative (title; lead author; journal or conference)	Indexing	Faculty
HP 1 – Health literacy and consumer health protection				
1	89	Experiences in Health Product Reviews among Pharmacy Students in Thailand Ruxjinda Wattanalai et al. – Isan Journal of Pharmaceutical Sciences	TCI 2	Pharmacy
2	107	Situations of Drugs and Health Products in Border Areas: A Case Study of Sangkhla Buri District, Kanchanaburi Province Santi Chomyong et al. – Journal of Social Research and Review	TCI 2	Pharmacy
3	294	Factors Associated with the Irrational Use of Antibiotics among Online Media Users Shinnawat Saengungsumalee et al. – Public Health Academic Journal	TCI 1	Pharmacy
4	297	Quality Levels and Influential Factors Affecting Intention and Satisfaction in Using the “Mor Prom” Application: A Case Study in Bangkok Burin Santisarn et al. – Romphruek Journal of Humanities and Social Sciences	TCI 2	Political Science
HP 2 – Mental well-being				
5	74	Nursing Intervention for Reducing the Severity of Auditory Hallucinations in Psychiatric Patients Puthawan Choocherd et al. – Siam University Journal of Nursing Science	TCI 2	Nursing Science

No.	GI 9 ref.	Research initiative (title; lead author; journal or conference)	Indexing	Faculty
6	94	Factors Affecting the Stress Levels of the Elderly during the COVID-19 Pandemic Lunchana Phimphanchaiyaboon et al. – Siam University Journal of Nursing	TCI 2	Nursing Science
7	102	Effects of a Social Support Program via LINE Application on Stress among the Elderly during the COVID-19 Pandemic Chaisit Thansuk et al. – Siam University Journal of Nursing	TCI 2	Nursing Science
8	150	The Factors Influencing College Students' Mental Health Based on Maslow's Hierarchy of Needs Theory: A Case Study of Nanjing Commercial College Lin Hui – The 1st Thailand-Sino International Conference and the 17th National and International Academic Conference, 14–16 November 2024, pp. 332–345	Conference	Graduate programme
9	261	The Influencing Factors of Mental Health Management of High School Teachers in Weishan County, Yunnan Province, China Wu Peiwen – The 17th National and International Academic Conference 2024	Conference	Graduate programme
HP 5 – Healthy diet, NCD prevention and self-care				
10	10	Driving factors of community pharmacist weight management service: A structural equation modeling approach Thin, Su Myat et al. – Research in Social and Administrative Pharmacy	Scopus Q1	Pharmacy
11	63	Influence of Knowledge and Self-Regulation on Preventive Behaviors against Foot Complications among Type 2 Diabetic Patients in Semi-Urban Communities of the Greater Bangkok Area Ruttakarn Kamkhiew et al. – Royal Thai Army Nursing Journal	TCI 1	Nursing Science
12	99	Self-Care Programs for Patients with Type 2 Diabetes: A Systematic Literature Review Wichuda Chantasin et al. – Ubon Ratchathani Rajabhat University Journal of Public Health Research	TCI 2	Medicine (Public Health)
13	100	Effects of the DSC Application on Physical and Mental Health Care among Patients with Chronic Non-Communicable Diseases Susaree Prakhinkit et al. – Siam University Journal of Nursing	TCI 2	Nursing Science
14	292	Effectiveness of Using Sodium-Reducing Measuring Tubes among Patients with Hypertension Chanida Mattavangkul et al. – Naval Medical Journal	TCI 1	Nursing Science
HP 6 – Maternal, sexual and reproductive health				
15	53	Risk Factors Associated with Preterm Birth among Pregnant Women at Sichon Hospital, Nakhon Si Thammarat Province Withaya Chanchai – NU Journal of Nursing and Health Sciences, Vol. 18 No. 2 (2024), pp.1–13	TCI 1	Medicine (Public Health)
16	103	Outcomes of the "Relax Touch" Innovation in Pain Diversion during the Active Phase of Labor among Primiparous Women Pichaporn Janthanakul et al. – Siam University Journal of Nursing	TCI 2	Nursing Science
17	116	Public Attitudes toward the Ministry of Public Health Announcement on the Examination and Counseling for Alternative Options to Terminate Pregnancy under Section 305 (5) of the Criminal Code B.E. 2564 (2021) Phoomsak Phattharatrakunkit – Graduate Studies Review Journal, Mahachulalongkornrajavidyalaya University, Phrae Campus	TCI 3	Law
18	282	The Association of Maternal Periodontal Diseases in the Postpartum Period with Preterm Low Birth Weight Yanaranci, Sutitorn et al. – Journal of Contemporary Dental Practice	Scopus Q2	Dentistry
19	295	Outcomes of the "Modern Manual for New-Normal Maternity Care" Innovation in the Delivery Room, Sampran Hospital Orawan Pungprasob et al. – Siam University Journal of Nursing	TCI 2	Nursing Science
HP 7 – Occupational health, work-life and healthy ageing				
20	52	Prevalence and Factors Associated with Work-Related Musculoskeletal Disorder among Central Sterile Supply Technicians in Nakhon Si Thammarat Province, Thailand Withaya Chanchai et al. – Chulalongkorn Medical Journal: Vol. 68, Iss. 4, Article 3, pp.251–259. DOI: https://doi.org/10.56808/2673-060X.5398	TCI 1	Medicine (Public Health)
21	59	Study on the Prevalence and Risk Factors Associated with Musculoskeletal Discomfort among Workers in Central Supply Units under the Ministry of Public Health Hospitals in Nakhon Si Thammarat Province Ratree Nacglud et al. – Journal of the Chulabhorn Royal Academy	TCI 1	Medicine (Public Health)

No.	GI 9 ref.	Research initiative (title; lead author; journal or conference)	Indexing	Faculty
22	115	Product Design for Promoting Active Aging among Members of the "Tao Teh Xin Xi" Elderly Club to Enhance Income from Community Capital, Samae Dam Subdistrict, Bang Khun Thian District, Bangkok Suthawan Thummasungwam et al. – Siam Communication Review Journal	TCI 3	Communication Arts
ZT 1 / ZT 3 – Tobacco, e-cigarettes and cannabis				
23	60	Survey of the Smoking Cessation Service Practices among Graduates from Faculties of Pharmacy in Thailand Sathian Phunpon et al. – Thai Journal of Pharmacy	TCI 1	Pharmacy
24	101	Effects of a Self-Efficacy Development Program on Knowledge and Attitudes toward Electronic Cigarettes among Nursing Student Leaders Sukrita Takaree et al. – Nursing Journal	TCI 2	Nursing Science
25	287	Development of a Surveillance and Literacy Promotion Network for the Use of Medical Cannabis among the Public in Nakhon Nayok Province Arpasree Buapradit et al. – Journal of Roi Kaensarn Academi	Scopus Q4	Pharmacy
SI 3 – Health services, infection prevention and public health policy				
26	13	Establishment of post-percutaneous coronary intervention (post-PCI) clinic in Thailand Manapattanasatien, Thidarat et al. – JACCP Journal of the American College of Clinical Pharmacy	Scopus Q1	Pharmacy
27	15	Expert consensus guidelines for community pharmacists in the management of diabetic peripheral neuropathy with a combination of neurotropic B vitamins Sathienluckana, Thanompong et al. – Journal of Pharmaceutical Policy and Practice	Scopus Q1	Pharmacy
28	64	Evaluation of the Physical Performance of Chemical Indicators in the Sterilization Process under the Operation of a Vacuum Pump Steam Sterilizer Tussanee Nimnaparoj et al. – Journal of Health Promotion and Environmental Health Research, Vol. 2 No. 4 (Sept–Dec 2024), pp.52–62	TCI 2	Medicine (Public Health)
29	86	Service Innovations Influencing the Utilization of Private Hospitals in Thailand Rattana Chaikalaya et al. – Interdisciplinary Academic and Research Journal	TCI 2	Business Administration
30	91	The Effectiveness of Implementing the Work from Home Policy during the COVID-19 Pandemic among Government Agencies in Bang Na District Charleeporn Chaisuwan et al. – Parithat Journal of Administration and Social Science	TCI 2	Political Science
Biomedical, pharmaceutical and nutrition science				
31	1	Assessing the Safety and Therapeutic Efficacy of Cannabidiol Lipid Nanoparticles in Alleviating Metabolic and Memory Impairments and Hippocampal Histopathological Changes in Diabetic Parkinson's Rats Lapmanee, Sarawut et al. – The International Journal of Pharmaceutics	Scopus Q1	Medicine
32	2	Cellular uptake of allicin in the hCMEC/D3 human brain endothelial cells: exploring blood-brain barrier penetration in an in vitro model Satsantitham, Kankawi et al. – PeerJ	Scopus Q1	Science
33	4	Cannabidiol-Loaded Lipid Nanoparticles Incorporated in Polyvinyl Alcohol and Sodium Alginate Hydrogel Scaffold for Enhancing Cell Migration and Accelerating Wound Healing Lapmanee, Sarawut et al. – Gels	Scopus Q1	Medicine
34	5	Clerodendrum chinense Stem Extract and Nanoparticles: Effects on Proliferation, Colony Formation, Apoptosis Induction, Cell Cycle Arrest, and Mitochondrial Membrane Potential in Human Breast Adenocarcinoma Breast Cancer Cells Chittasupho, Chuda et al. – International Journal of Molecular Sciences	Scopus Q1	Pharmacy
35	20	In vitro investigation of xanthine oxidase inhibitory and antioxidant activities of 3,4,5-trihydroxycinnamic acid Dhammaraj, Taweesak et al. – Journal of HerbMed Pharmacology	Scopus Q3	Pharmacy
36	31	Stress-induced changes in cognitive function and intestinal barrier integrity can be ameliorated by venlafaxine and synbiotic supplementations Lapmanee, Sarawut et al. – PeerJ	Scopus Q1	Medicine
37	56	Application of Coconut Waste for the Production of Synbiotic Beads in Food Products Nattiga Silalai et al. – Burapha Science Journal	TCI 1	Science

No.	GI 9 ref.	Research initiative (title; lead author; journal or conference)	Indexing	Faculty
38	278	Geographical migration and fitness dynamics of Streptococcus pneumoniae Belman, Sophie et al. – Nature	Scopus Q1	–
Clinical and diagnostic research				
39	6	Comparative proteomic analysis of dental pulp from supernumerary and normal permanent teeth Lertruangpanya, Kritkamon et al. – Clinical Oral Investigations	Scopus Q1	Dentistry
40	21	Correlation between Glomerular Filtration Rate and Left Ventricular Mass Index in Patients with Chronic Kidney Disease Kesinee Leedumrongwattanakul et al. – Journal of the Department of Medical Services	TCI 1	Medicine
41	40	Comparison of the Effectiveness and Safety of Clozapine Between Once-Daily and Divided Dosing Regimen in Patients With Treatment-Resistant Schizophrenia Sathienluckana, Thanompong et al. – Annals of Pharmacotherapy	Scopus Q2	Pharmacy
42	41	Erosive potential of children's chewable vitamin supplements: An in vitro investigation Lertsooksawat, Wannee et al. – Journal of Dental Research, Dental Clinics, Dental Prospects	Scopus Q2	Dentistry
43	49	Isolation and Pattern of Antimicrobial Susceptibility Testing of Acinetobacter baumannii Clinical Isolates at Taksin Hospital: A Retrospective Study from 2019 to 2021 Tangkheunkan, Phakarat et al. – Journal of the Medical Association of Thailand	Scopus Q4	Pharmacy
44	270	Advanced EEG-Based Classification of Alzheimer's Disease Using CNN-LSTM-Attention Architecture Bunterngchit, Chayut et al. – 22nd International Conference on Research and Education in Mechatronics (REM)	Conference	Engineering
45	272	Data-Driven Strategies for Cardiovascular Medication Management: A Dual Approach Using Decision Tree Modeling and Process Mining Porouhan, Parham – International Conference on ICT and Knowledge Engineering	Conference	Information Technology
46	280	The accuracy of conventional versus digital (intraoral scanner or photogrammetry) impression techniques in full-arch implant-supported prostheses: a systematic review Joensahakij, Nitchakul et al. – Evidence-Based Dentistry	Scopus Q2	Dentistry
Health-professions education				
47	7	Comparison of learning curve for anterior and posterior implant placement using dynamic computer-assisted surgical implant placement in novice and experienced operators: An in vitro trial Kundaechanont, Pitsinee et al. – Journal of Prosthetic Dentistry	Scopus Q1	Dentistry
48	16	Factors Affecting Research Conduct and Publication Among Thai Medical Students in University-Affiliated Medical Schools Khawcharoenporn, Thana et al. – Journal of Academic Ethics	Scopus Q1	Medicine
49	58	Developing Attitudes toward Medical Professionalism: The Ten Royal Virtues through Group Discussion-Based Learning among Second-Year Medical Students in the Medical Ethics Course Kittisak Sinphitukkul – Journal of Education and Learning Innovation	TCI 1	Medicine
50	275	Training outcomes of novice clinicians in the use of dynamic computer assisted implant surgery: A prospective comparative study Teparrukkul, Hatsapon et al. – Journal of Dental Sciences	Scopus Q1	Dentistry

"GI 9 ref." is the row number in the GI 9 evidence list of 298 publications. "Graduate programme" marks studies by graduate students in programmes not attached to a single faculty.

SI 7.2 Faculty-Specific Health Promotion Research Activities

How the figure was calculated

- **Denominator:** 15 faculties/institutes (the GI 4 figure).
- **Engaged faculty:** a faculty counts when at least one 2024-2025 health promotion study in Table SI 7.1.3 has a lead author or co-author from that faculty, with research relevant to its own discipline (clinical studies, behavioural health interventions, health education, health technology, health policy).
- **Sources:** author affiliations in the publications, checked against the Siam University research database (e-research.siam.edu) and faculty websites. Studies from graduate programmes not attached to a single faculty (2) and one study whose faculty could not be identified (1) were not used to count faculties.
- **Result:** 11 ÷ 15 × 100 = 73.3%, which falls in the band **"51-75% of Faculties/Institutes".**

Table SI 7.2.1 – Faculties/institutes engaged in health promotion research, 2024-2025

No.	Faculty/institute	Studies	Main health promotion focus	GI 9 ref. nos.
1	**Faculty of Medicine (incl. Department of Public Health)**	11	Occupational health of hospital sterile-supply workers, preterm birth risk, diabetes self-care, infection prevention in sterilisation; biomedical research on cannabidiol, stress and kidney disease; medical professionalism	1, 4, 16, 21, 31, 52, 53, 58, 59, 64, 99
2	**Faculty of Pharmacy**	12	Consumer health protection, irrational antibiotic use, medical cannabis literacy, smoking cessation services, weight management and NCD pharmacy services, antimicrobial resistance	5, 10, 13, 15, 20, 40, 49, 60, 89, 107, 287, 294
3	**Faculty of Nursing Science**	9	Stress and mental health of older adults, NCD self-care applications, salt reduction in hypertension, diabetic foot care, e-cigarette prevention, maternity care innovations, psychiatric nursing	63, 74, 94, 100, 101, 102, 103, 292, 295
4	**Faculty of Dentistry**	6	Maternal periodontal disease and preterm low birth weight, dental erosion from children's vitamins, implant surgery training and accuracy, dental pulp biology	6, 7, 41, 275, 280, 282
5	**Faculty of Science**	2	Functional (synbiotic) foods; bioactive garlic compound and the brain	2, 56
6	**Faculty of Political Science**	2	Public health digital service ("Mor Prom" application); COVID-19 work-from-home policy	91, 297
7	**Faculty of Engineering**	1	EEG-based detection of Alzheimer's disease	270
8	**Faculty of Information Technology**	1	Data-driven cardiovascular medication management	272
9	**Faculty of Business Administration**	1	Service innovation and use of hospital services	86
10	**Faculty of Communication Arts**	1	Product design to promote active ageing in an elderly club	115
11	**Faculty of Law**	1	Public attitudes toward reproductive health regulation	116
	Total: 11 of 15 faculties (73.3%)			

47 of the 50 studies are attributed to these faculties. Each study is counted under one faculty only.

Researchers involved

Health promotion researchers listed in the Siam University research database for 2024-2025 include:

- **Faculty of Medicine:** Asst. Prof. Dr. Sarawut Lapmanee; Dr. Kittisak Sinphitukkul; Dr. Withaya Chanchai (Head, Department of Public Health).
- **Faculty of Pharmacy:** Asst. Prof. Dr. Thanompong Sathienluckana; Dr. Phakarat Tangkheunkan; Dr. Ruxjinda Wattanalai; Shinnawat Saengungsumalee.
- **Faculty of Nursing Science:** Asst. Prof. Dr. Chanida Mattavangkul; Asst. Prof. Dr. Susaree Prakhinkit; Sukrita Takaree; Pichaporn Janthanakul; Chaisit Thansuk; Lunchana Phimphanchaiyaboon; Ruttakarn Kamkhiew.

- **Faculty of Information Technology:** Dr. Parham Porouhan.

Faculty highlights

- **Nursing Science – community and older-adult health:** programmes and digital tools for stress, NCD self-care, salt reduction and diabetic foot care, plus e-cigarette prevention among nursing student leaders and delivery-room innovations at Sampran Hospital.
- **Pharmacy – safe use of medicines and health products:** a medical cannabis literacy network in Nakhon Nayok, border-area health product surveillance, antibiotic misuse online, and smoking cessation services.
- **Medicine and Public Health – worker and maternal health:** musculoskeletal disorders among hospital sterile-supply workers, preterm birth risk factors and diabetes self-care programmes in Nakhon Si Thammarat, alongside Scopus Q1 biomedical research.
- **Dentistry – oral health across the life course:** maternal periodontal disease and preterm low birth weight, and the erosive potential of children's chewable vitamins.
- **Other faculties:** Political Science (public health application and COVID-19 policy), Engineering and Information Technology (health technology), Business Administration (hospital services), Communication Arts (active ageing) and Law (reproductive health regulation).

Evidence sources

GI 9 evidence: list of 298 unique publications, 2024-2025 (attached file)	Uploaded with GI 9
Siam University research database	https://e-research.siam.edu/
Research database – Faculty of Medicine	https://e-research.siam.edu/kbtopic/faculty-of-medicine/
Research database – Faculty of Pharmacy	https://e-research.siam.edu/kbtopic/faculty-of-pharmacy/
Research database – Faculty of Nursing	https://e-research.siam.edu/kbtopic/faculty-of-nursing/
Department of Public Health, Faculty of Medicine	https://ph.siam.edu/
Siam University faculties	https://siam.edu/
Siam University sustainability	https://sustainability.siam.edu/