



OVERVIEW

ANNUAL REPORT 2020/2021

ABOUT US



The SingHealth Duke-NUS Academic Medical Centre (AMC) draws on the collective strengths of SingHealth and Duke-NUS Medical School to provide our patients and community with the best outcomes and experience.

By leveraging the synergies in clinical care, research and education created through our Academic Clinical Programmes, Disease Centres and Joint Institutes, the SingHealth Duke-NUS AMC fosters the exchange of scientific knowledge and clinical perspectives to accelerate innovation and new discoveries, advance the practice of medicine as well as nurture the next generation of healthcare professionals.

SingHealth delivers comprehensive, multi-disciplinary and integrated care across a network of acute hospitals, national specialty centres, polyclinics and community hospitals. Offering over 40 clinical specialties, SingHealth is Singapore's largest public healthcare cluster.

Duke-NUS, Singapore's flagship graduate-entry medical school, nurtures 'Clinician Plus' graduates to become leaders in the global healthcare and biomedical ecosystem, while scientists from its five Signature Research Programmes and nine Centres transform medicine and improve lives in Asia and beyond.

For more information, please visit:
www.singhealthdukenus.com.sg
www.singhealth.com.sg
www.duke-nus.edu.sg

MEMBERS OF THE SINGHEALTH GROUP

Hospitals:

Singapore General Hospital, Changi General Hospital, Sengkang General Hospital, New integrated general and community hospital in Bedok North (expected completion: 2030) and KK Women's and Children's Hospital

National Specialty Centres:

National Cancer Centre Singapore, National Dental Centre Singapore, National Heart Centre Singapore, National Neuroscience Institute and Singapore National Eye Centre

Community Hospitals:

Bright Vision Hospital, Sengkang Community Hospital and Outram Community Hospital

Polyclinics:

Bedok, Bukit Merah, Marine Parade, Outram, Pasir Ris, Punggol, Sengkang, Tampines, Eunos (expected completion: 2021) and Tampines North (expected completion: 2023)

OUR VISION

Defining Tomorrow's Medicine

OUR MISSION

**Care to Heal.
Educate to Empower.
Innovate to Advance.**

OUR COMMON PURPOSE

PATIENTS. AT THE HEART OF ALL WE DO.®

OUR CORE VALUES






**Compassion.
Integrity.
Collaboration.**

OUR PARTNER IN ACADEMIC MEDICINE

Duke-NUS Medical School is Singapore's flagship graduate entry medical school, established in 2005 with a strategic, government-led partnership between two world-class institutions: Duke University School of Medicine and the National University of Singapore (NUS). Through an innovative curriculum, students at Duke-NUS are nurtured to become multi-faceted 'Clinicians Plus' poised to steer the healthcare and biomedical ecosystem in Singapore and beyond. A leader in ground-breaking research and translational innovation, Duke-NUS has gained international renown through its five Signature Research Programmes and nine Centres. The enduring impact of its discoveries is amplified by its successful Academic Medicine partnership with SingHealth, Singapore's largest healthcare group. This strategic alliance enables Duke-NUS to harness multi-disciplinary research and education to transform medicine and improve lives.

For more information, please visit:
www.duke-nus.edu.sg

MANPOWER

 Medical 4,025	 Dental 173	 Nursing 11,387	 AHPs 6,222	 Others 9,763	Total number 31,570
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KEY FIGURES

ACUTE CARE AND POLYCLINICS

<u>Size</u>		Dental Attendances	208,468
Beds (as at end of March)	4,814	Dental Procedures	315,960
<u>Workload per annum</u>		Polyclinic Attendances	1,591,998
Beds Occupancy Rate	79.3%		
Inpatients	239,150		
Total Patient Days	1,263,594		
Average Length of Stay (days)	5.3		
Day Surgeries	179,396		
Inpatient Surgeries	106,059		
Specialist Outpatient Clinic Attendances	2,468,322		
Accident & Emergency Attendances	412,220		

 SingHealth
31 Third Hospital Avenue, #03-03 Bowyer Block C, Singapore 168753
Tel: 6225 0488 www.singhealth.com.sg

Medical 0	Dental 0	Nursing 12	AHPs 107	Others 839	Total number 958
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 DukeNUS Medical School
8 College Road, Singapore 169857
Tel: 6516 7666 www.duke-nus.edu.sg

OVERALL STUDENT NUMBERS (AS AT 31 MARCH 2021)


931
TOTAL NUMBER
of MD and PhD
students and graduates

ALL FACULTY (AS OF 31 MARCH 2021)


2181
TOTAL NUMBER

 **20** Clinical Sciences (CS) PhD students
(of whom 1 student is also an MD graduate)

 **13** Quantitative Biology and Medicine (QBM) PhD students

 **65** Integrated Biology and Medicine (IBM)/ Quantitative Biology and Medicine (QBM) PhD graduates
(of whom 19 are also MD graduates and 4 are final year MD students)

 **502** Doctor of Medicine (MD) graduates
(of whom 19 are also PhD graduates and 1 is a CS PhD student)

 **92** Integrated Biology and Medicine (IBM) PhD students
(of whom 34 are also MD students)

 **297** Doctor of Medicine (MD) students
(of whom 34 are also PhD students and 4 are PhD graduates)

 Singapore General Hospital
Outram Road, Singapore 169608
Tel: 6222 3332 www.sgh.com.sg

Medical 1,160	Dental 0	Nursing 3,740	AHPs 1,893	Others 2,408	Total number 9,201
<u>Size</u>		Day Surgeries	57,617		
Beds (as at end of March)	1,939	Inpatient Surgeries	43,999		
<u>Workload per annum</u>		Specialist Outpatient Clinic Attendances	712,203		
Beds Occupancy Rate	81.1%	Accident & Emergency Attendances	106,452		
Inpatients	75,416				
Total Patient Days	507,457				
Average Length of Stay (days)	6.7				

 Changi General Hospital
2 Simei Street 3, Singapore 529889
Tel: 6788 8833 www.cgh.com.sg


Medical 732	Dental 5	Nursing 2,294	AHPs 1,028	Others 1,677	Total number 5,736
<u>Size</u>		Day Surgeries	32,507		
Beds (as at end of March)	1,043	Inpatient Surgeries	22,158		
<u>Workload per annum</u>		Specialist Outpatient Clinic Attendances	408,342		
Beds Occupancy Rate	85.0%	Accident & Emergency Attendances	117,778		
Inpatients	50,722	Dental Attendances	3,094		
Total Patient Days	325,798	Dental Procedures	3,874		
Average Length of Stay (days)	6.4				

 Sengkang General Hospital
110 Sengkang East Way, Singapore 544886
Tel: 6930 6000 www.skh.com.sg


Medical 492	Dental 2	Nursing 1,618	AHPs 641	Others 1,044	Total number 3,797
<u>Size</u>		Day Surgeries	19,970		
Beds (as at end of March)	799	Inpatient Surgeries	17,097		
<u>Workload per annum</u>		Specialist Outpatient Clinic Attendances	174,545		
Beds Occupancy Rate	84.8%	Accident & Emergency Attendances	98,469		
Inpatients	42,881	Dental Attendances	2,902		
Total Patient Days	205,682	Dental Procedures	2,195		
Average Length of Stay (days)	4.8				

 KK Women's and Children's Hospital
100 Bukit Timah Road, Singapore 229899
Tel: 6225 5554 www.kkh.com.sg

Medical 776	Dental 11	Nursing 1,869	AHPs 925	Others 1,280	Total number 4,861
<u>Size</u>		Day Surgeries	9,751		
Beds (as at end of March)	848	Inpatient Surgeries	17,577		
<u>Workload per annum</u>		Specialist Outpatient Clinic Attendances	546,503		
Beds Occupancy Rate	63.0%	Accident & Emergency Attendances	89,521		
Inpatients	60,932	Dental Attendances	5,782		
Total Patient Days	173,940	Dental Procedures	9,823		
Average Length of Stay (days)	2.9				

 National Cancer Centre Singapore
11 Hospital Drive, Singapore 169610
Tel: 6436 8000 www.nccs.com.sg

Medical 190	Dental 0	Nursing 200	AHPs 446	Others 381	Total number 1,217
<u>Workload per annum</u>		Specialist Outpatient Clinic Attendances	147,276		
Day Surgeries	7,373				

 National Dental Centre Singapore
5 Second Hospital Avenue, Singapore 168938
Tel: 6324 8802 www.ndcs.com.sg

Medical 0	Dental 133	Nursing 20	AHPs 78	Others 303	Total number 534
<u>Workload per annum</u>		Dental Attendances	166,717		
Day Surgeries	7,214	Dental Procedures	219,634		

 National Heart Centre Singapore
5 Hospital Drive, Singapore 169609
Tel: 6704 8000 www.nhcs.com.sg

Medical 146	Dental 0	Nursing 472	AHPs 301	Others 358	Total number 1,277
<u>Size</u>		Total Patient Days	50,717		
Beds (as at end of March)	185	Average Length of Stay (days)	5.5		
<u>Workload per annum</u>		Day Surgeries	2,366		
Beds Occupancy Rate	76.4%	Inpatient Surgeries	5,228		
Inpatients	9,199	Specialist Outpatient Clinic Attendances	132,634		

 National Neuroscience Institute
11 Jalan Tan Tock Seng, Singapore 308433
Tel: 6357 7153 www.nni.com.sg

Medical 126	Dental 0	Nursing 44	AHPs 150	Others 145	Total number 465
<u>Workload per annum</u>		Specialist Outpatient Clinic Attendances	43,131		

 Singapore National Eye Centre
11 Third Hospital Drive, Singapore 169751
Tel: 6227 7255 www.snecc.com.sg

Medical 115	Dental 0	Nursing 310	AHPs 167	Others 367	Total number 959
<u>Workload per annum</u>		Specialist Outpatient Clinic Attendances	303,688		
Day Surgeries	42,598				

 SingHealth Community Hospitals
1 Anchorvale Street, Singapore 544835
Tel: 6930 6000 www.singhealthch.com.sg

HQ	Medical 0	Dental 0	Nursing 8	AHPs 1	Others 116	Total number 125
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BRIGHT VISION HOSPITAL	Medical 7	Dental 0	Nursing 179	AHPs 76	Others 136	Total number 398
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<u>Size</u>		Inpatient	1,385		
Beds (as at end of March)	-	Total Patient Days	22,068		
<u>Workload per annum</u>		Beds Occupancy Rate	49.2%		

OUTRAM COMMUNITY HOSPITAL	Medical 31	Dental 0	Nursing 142	AHPs 98	Others 79	Total number 350
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<u>Size</u>		Inpatient	2,413		
Beds (as at end of March)	283	Total Patient Days	65,599		
<u>Workload per annum</u>		Beds Occupancy Rate	82.2%		

SENGKANG COMMUNITY HOSPITAL	Medical 31	Dental 0	Nursing 180	AHPs 90	Others 106	Total number 407
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<u>Size</u>		Inpatient	3,054		
Beds (as at end of March)	269	Total Patient Days	87,983		
<u>Workload per annum</u>		Beds Occupancy Rate	85.7%		

 Polyclinics SingHealth
167 Jalan Bukit Merah, Tower 5, #15-10, Singapore 150167
Tel: 6236 4800 polyclinic.singhealth.com.sg

Medical 219	Dental 22	Nursing 299	AHPs 221	Others 524	Total number 1,285
<u>Workload per annum</u>		Dental Attendances	29,973		
Polyclinic Attendances	1,591,998	Dental Procedures	80,434		

RESEARCH STATISTICS



STAFFING

104 Clinician-Scientists (CSs)

(includes National, Cluster and Faculty CS)
[SingHealth & Duke-NUS]

365 Clinician-Investigators

[SingHealth]

485 Principal-Investigators leading ongoing research

[SingHealth]



RESEARCH ACHIEVEMENTS

Publications in international peer-reviewed journals

(SingHealth)
>18,500

(Duke-NUS)
>8,400

Competitive Funding
[SingHealth & Duke-NUS]

>S\$2.03B

Awards
[SingHealth & Duke-NUS]

2 Singapore Translational Research Investigator Award

4 Clinician Scientist Awards (3 CSA-INV & 1CSA-SI)

2 Transition Awards



NURSING

\$762,600
Quantum of grants awarded

68
Publications

15
Grants

5
Presentations

35
Research projects with nurses as principal investigators



ALLIED HEALTH PROFESSIONALS

>200
Allied Health Professionals involved in research

217
Papers published

\$1,786,863
In Grants received

EDUCATION STATISTICS



UNDERGRADUATE EDUCATION

SingHealth handles about **40.8%** of the nation's clinical teaching load annually. On an average day in FY20, SingHealth provides training to

270 Medical Students

463 Nursing Students

125 Allied Health Students



GRADUATE EDUCATION

MEDICAL RESIDENCY

As the largest Sponsoring Institution for medical Residency programmes in Singapore, SingHealth has:

206 new medical Residents in AY20

22 ACGME-I Accredited programmes
13 JCST Accredited programmes

1,716 faculty members

151 medical Residents graduated from SingHealth Residency in AY20

934 medical Residents in training across **35** programmes

ORAL HEALTH RESIDENCY

21 new dental Residents joined SingHealth in AY20



POSTGRADUATE & CONTINUING EDUCATION

ALLIED HEALTH EDUCATION

12,774 healthcare professionals trained in **336** Allied Health Continuing Professional Education programmes

ORAL HEALTH EDUCATION
222 education programme sessions conducted for oral health professionals

HEALTHCARE ADMINISTRATION & LEADERSHIP

1,178 healthcare professionals and administrators trained in **55** programme sessions

MEDICAL EDUCATION

Close to **360** junior and senior clinicians attended clinician development programmes

NURSING EDUCATION
37,778 nurses trained in **880** Continuing Nursing Education programmes

TECHNOLOGY-ENHANCED LEARNING & INNOVATION

>750 simulation training workshops conducted for **8,672** healthcare professionals

More than **38%** increase in online courses created on the SingHealth eLearning Portal, with **>33,000** users from FY19-20

EDUCATORS DEVELOPMENT

>2,400 educators equipped through **>60** AMEI Education Grand Rounds and workshops

SGD38,500 of AMEI Education Grant awarded to **8** projects and scholarly efforts to improve educational outcomes



RECOGNISING EDUCATIONAL EXCELLENCE

12 educators conferred the AMEI Golden Apple Awards 2020

293 Residency faculty and Residents received the Residency in SingHealth Excels! (RISE) Awards 2020

9 House Officers **30** Medical Officer received the SingHealth Best Junior Doctors Awards 2020

7 graduating Duke-NUS students accorded the SingHealth Awards 2020