

FUNDED PROGRAMMES		OUTCOME:
Research & Innovation Capability Development		
1	NHG-LKCMedicine Clinician Scientist Career Scheme (CSCS)	
	<p>CSCS is a research manpower development programme aimed at building up the research capabilities of clinicians to contribute to excellence in research, innovations, improvement in patient care, delivery and outcomes, and to enable clinicians to compete successfully for the National Medical Research Council (NMRC) Transition Award (TA) within the next 3 years. The scheme provides a research career development path for clinicians in NHG who are interested in embarking on a career in research. With effect from FY2018, the CSCS scheme is jointly funded with NTU/LKCMedicine.</p>	<p>As of December 2022, all 13 CSCS awardees have collectively published 573 publications and obtained 2 Transition Awards (TAs) and 7 Clinician Scientist Awards (CSAs) administered by the National Medical Research Council (NMRC).</p>
2	NHG-LKCMedicine Clinician Scientist Fellowship (CSF)	
	<p>Jointly developed in 2013 by NHG and NTU/LKCMedicine, the NHG-LKCMedicine Clinician-Scientist Fellowship (CSF) aims to nurture and develop Clinician-Scientists with a formal research training programme leading to PhD. Awardees of the CSF may also apply for the CSF Bridging Grant to kickstart their PhD projects while applying for other sources of project funding.</p>	<p>As of December 2022, the 3 CSF awardees and 1 CSF Bridging Grant awardee have collectively published 30 publications.</p>
3	NHG-LKCMedicine Clinician Scientist Preparatory Programme (CSPP)	
	<p>The NHG-LKCMedicine Clinician-Scientist Preparatory Programme (CSPP) and NHG-LKCMedicine Clinician-Scientist Preparatory Programme Plus (CSPP+) are joint programmes between NHG and Lee Kong Chian School of Medicine (LKCMedicine). The CSPP aims to provide clinicians with an exposure to research in the early phase of their career through research training and project experience. The CSPP+ aims to prepare clinicians to embark on formal research training leading to PhD in the early phase of their research careers.</p>	<p>As of December 2022, there are 11 awardees awarded into CSPP and 2 awardees awarded into CSPP+. The awardees have collectively published a total of 4 publications.</p>

FUNDED PROGRAMMES		OUTCOME:
4	NHG-CMTi Clinician Innovator Preparatory Programme (CiPP)	
	The NHG CMTi Clinician Innovator Preparatory Programme (CiPP) aims to introduce clinicians to the foundational skills and knowledge required for health technology (HealthTech) innovation through innovation training and project experience, as well as to foster a healthy innovation culture in NHG.	As of December 2022, there are 5 awardees awarded into CiPP.
5	Brain Bank Singapore (BBS)	
	BBS is a national tissue repository dedicated to research in neurological disorders, with the goal of improving treatment strategies and clinical outcomes for various neurological/neurodegenerative and neuropsychiatric disorders. Its primary aim is to set up a nationwide pre-consented brain donation programme, where brain tissues will be collected from people with and without neurological conditions. The brains will be preserved and characterised, and will serve as a source of research material for research projects both within and outside of Singapore, reflective of local underlying genetic populations. In addition, BBS will perform outreach drives to educate the public about the donation and use of human tissues for research.	<ol style="list-style-type: none"> 1. Since the official launch of BBS in November 2019, BBS has set up the infrastructure and daily operations necessary for a brain bank and demonstrated its capability to cater to a full range of tissue banking operations. 2. It has recruited 267 registered donors to the registry and added 4 brain and cerebrospinal fluid donations to the repository. In FY22, BBS recruited 42 registered donors and collected 1 brain and cerebrospinal fluid donation. 3. BBS has obtained approval from SingHealth Biomedical Research Scientific Advisory committee (SBRSA), NTU IRB and NHG Tissue Compliance Committee (TCC) for its donor recruitment and tissue banking protocols and is registered with the Ministry of Health (MOH) as a satellite site under the NTU Tissue Bank. 4. It has also worked closely with the National Organ Transplant Unit (NOTU), Medical Therapy Education and Research Act (MTERA), and the MOH HBRA Human Tissue Framework (HTF) teams to reach an agreement to work with the My Legacy government portal. 5. In addition, BBS has successfully carried out various outreach activities and established community partnerships with various healthcare teams, organisations, community partners, patients, and members of the public, including talks on the importance of brain tissues for research and the process of donor recruitment through to tissue retrieval.

FUNDED PROGRAMMES		OUTCOME:
6	Palliative Care Centre for Excellence in Research & Education (PaIC)	
	<p>The Palliative Care Centre for Excellence in Research and Education (PaIC) was set up as a tripartite collaboration by National Healthcare Group (NHG), Dover Park Hospice and LKCMedicine in October 2017. PaIC is a dedicated centre for the development of comprehensive training programmes for palliative care that meet the needs of acute, sub-acute and long-term care settings, and also palliative care training programmes for allied health professionals and volunteers. In addition, PaIC also aims to conduct strategic research that can be translated into effective clinical practices, educational strategies and policies to address the gaps faced in end-of-life care.</p>	<p>The Agency for Integrated Care (AIC) awarded the tender for Lead Training Provider to PaIC to run courses from July 2018 to June 2020 June with AIC subsidies. The award was further extended to 2022 to subsidize the running of 11 courses/workshops conducted by PaIC. PaIC has since exercised the option to further extend the contract by another 2 years to end 2024.</p>
7	Intellectual Property Budget	
	<p>Intellectual property (IP) protection is an important aspect of research and innovation life cycle. NHG seeks IP protection on inventions that address unmet needs and with good commercial potential, so that patients and population in general could benefit from access to new solutions for improved disease prevention, management and/or treatment.</p> <p>In the first instance, NHG would tap on grant funding support by the National Health and Innovation Centre Singapore (NHIC). Funding by NHG Fund Pte Ltd would be used to fund protection of IP with good potential for adoption but are outside NHIC's funding scope.</p>	<p>In FY2020, IP protection in the form of registered design was filed for the following invention:</p> <ol style="list-style-type: none"> 1. Disposable angular face shield – Conceptualised by staff from the TTSH, Transformation Office and triggered by the needs

FUNDED PROGRAMMES		OUTCOME:
8	Co11ab@Novena	
	Co11ab@Novena was officially launched on 22 August 2023. This cutting-edge collaborative workspace has already started making waves in the world of innovation and research. Co11ab@Novena provides a dynamic and collaborative environment where these visionary projects can thrive. By fostering interdisciplinary collaboration and providing state-of-the-art facilities, Co11ab@Novena aims to drive innovation and accelerate the pace of scientific discovery. Co11ab@Novena brings together brilliant minds and resources to foster groundbreaking projects.	
Talent Development		
1	Health Manpower Development Plan (HMDP)	
	<p>The objective of HMDP is to train/develop healthcare professionals to take on higher level jobs to meet the strategic manpower needs of NHG cluster.</p> <p>These awardees will be trained in their specialized field in medical, nursing, allied health, and administration. Through these specialized trainings, they will be able to deepen their skills and clinical knowledge, and to gain access to new skills / technology. This will translate to the provision of better care to our patients and clients.</p>	A total of 46 individuals, comprising staff across the medical, nursing, allied health, and administrator family groups, were given the HMDP Awards in FY2022.
2	Postgraduate Self Development Award (PSDA)	
	PSDA provides financial assistance to NHG staff who wishes to pursue postgraduate studies in General Management in internationally renowned institutions. NHG will provide partial sponsorship for the course fees, while the awardees will co-pay a percentage of the fees.	No nomination was received for FY2022.
3	NHG Management Scholarship (NMS)	
	NMS's objective is to groom high potential staff to fill top clinical administrative and management positions.	

FUNDED PROGRAMMES		OUTCOME:
4	NHG Leaders Scholarship (NLS)	
	NLS is part of NHG's talent cultivation effort to attract and groom a core of top-rate administrators for NHG. NLS awardees will pursue postgraduate studies in General or Healthcare Management at internationally renowned universities.	
5	Master in Health Profession Education	
	<p>The Master in Health Professions Education (MHPE) is part of NHG Education's commitment in improving the health of our patients and the community through the education of our present and future healthcare workforce, healthcare partners, patients and caregivers.</p> <p>The MHPE will equip and enable future generations of leaders in HPE:</p> <ul style="list-style-type: none"> ▪ To develop and lead in education initiatives to support NHG's mission in delivering quality patient care. ▪ To engage in formal education about HPE and the science behind education. ▪ To identify learning needs, develop educational strategies, and lead major changes, addressing the requirements from different health professions in NHG. 	2 awardees for FY2022