“Here is a wonderful role model that every aspiring medical student or self-respecting doctor should learn from ... Dr Mitra, you are truly a great doctor, not just in name, but in deed. Thank you very much for healing my arm and beyond that, returning my life, career, and the opportunity to pursue a brighter future.”

Ms Sherry Ng, patient of Dr Mitra, who helped her recover from her broken arm.

With Dr A K Mitra, Senior Consultant, Department of Orthopaedic Surgery
Patients remain the focus of all our efforts. We optimised the strength of our specialties by setting up one-stop condition-based centres to provide multidisciplinary care. These include the Orthopaedic Sports and Joint Centre, Autoimmunity and Rheumatology Centre, and Centre for Digestive and Liver Diseases.

To elevate the skills of our nurses, we introduced the Resident Nurse Programme together with the SingHealth Alice Lee Institute of Advanced Nursing. These nurses are equipped to do clerking and perform certain procedures traditionally done by doctors.

As part of continual efforts to enhance patient safety, we introduced a new intelligent automated RFID system at our renovated Outpatient Pharmacy. This system for dispensing drugs enhances medication safety and improves operational efficiency.

We rolled out various initiatives to improve services in order to give patients a better experience. These included training staff to be more sensitive to the needs of the elderly, who form the majority of our patients. We also upgraded our facilities to implement more elder-friendly features. Our efforts paid off when the Ministry of Health Patient Satisfaction Survey for 2012 showed Singapore General Hospital (SGH) as most improved among the public acute hospitals.

In July 2013, we started work on three new wards, which will be the prototypes for us to refresh the existing wards. Our Pathology laboratories have also commenced operations from new premises in Academia. These new facilities offer opportunities to improve our processes.

As we progress in our Academic Medicine journey, we see the spirit of innovation and collaboration continues to bear fruit. Clinician scientists from Duke-NUS Graduate Medical School Singapore and SGH are conducting clinical trials on a new drug, Celgosivir, to determine its efficacy as a treatment for dengue fever. Another team from SGH and the National Cancer Centre Singapore has discovered a new type of deadly intestinal lymphoma that is very common in Asia. An SGH-led international study into more targeted treatment for liver cancer, the AHCCO6, has entered a new phase. Conducted in 11 countries, it is the largest collaborative liver cancer trial in the region.

To further enhance the quality of care we provide for our patients, it is necessary to evolve our model of healthcare delivery, to make our care seamless and integrated. We will do this by bringing together the comprehensive range of capabilities within SingHealth, to develop truly patient-centric services.

Prof Ang Chong Lye
CEO, Singapore General Hospital
Deputy Group CEO, Clinical Services & Informatics, SingHealth
Largest Academic Hospital Re-defines Care

Reputed for its medical excellence, Singapore General Hospital (SGH) caters to over one million patient visits every year. Backed by state-of-the-art facilities, it offers team-based quality patient care with more than 29 specialty services. As an academic hospital, advancement in research and medical education is integral to SGH’s commitment to deliver the best care and outcome for our patients.

Patient Care

SEAMLESS CARE DELIVERY FOR OUR PATIENTS

In a step towards improving care delivery, two multidisciplinary centres were opened in March 2013.

The Orthopaedic Sports and Joint Centre is an integrated one-stop, condition-based clinic that provides treatment and therapy for patients with sports injuries and joint conditions. The new centre located at Camden Medical Centre is an extension of our specialist outpatient service which takes a holistic approach in treating patients. Managed by a multidisciplinary team of professionals such as diagnostics radiologists, pharmacists and physiotherapists, the Centre provides seamless care to our patients.

In the same month, SGH’s Department of Rheumatology and Immunology started operation at the Autoimmunity and Rheumatology Centre (ARC), which provides evidence based medical care through a comprehensive range of multidisciplinary clinical services such as physiotherapy and occupational therapy.

Besides delivering quality patient care, ARC is also committed to supporting a robust clinical research environment to bring forth new possibilities for treatment discoveries.

Dr Andrea Low, Consultant, Department of Rheumatology and Immunology, said: “The sooner an autoimmune disease is detected and brought to the attention of doctors, the earlier it can be treated and the better we can prevent or reverse some of the organ damage.”

Top: Dr Warren Fong, Registrar, Department of Rheumatology and Immunology, explaining spondyloarthritis to a patient. Bottom: Ms Lin Ying Ying, Occupational Therapist, demonstrating assistive devices for joint protection in daily activities.
A NEW LEASE OF LIFE FOLLOWING DOUBLE TRANSPLANT

The first simultaneous pancreas and kidney transplant in Singapore was successfully carried out in September 2012 by a team of surgeons from SGH and National University Hospital (NUH). Mr Shawn Huang, 29, who suffered from Type-1 diabetes and renal failure, underwent the five-and-a-half hour surgery, which potentially cured his Type-1 diabetes.

“More than 90 per cent of patients who have a pancreas-kidney transplant live for another five years at least, compared to the 38 per cent of those who do not,” said Dr Victor Lee, Consultant, Department of Surgery, and Director, Pancreas Transplant Programme, SingHealth Transplant.

HOPE FOR CANCER PATIENTS WHO WANT BABIES

An ovarian tissue cryopreservation and a breakthrough ovarian orthotopic transplant surgery may now help to preserve ovarian functions before women commence cancer treatment, giving them the option of conceiving and starting a family after treatment and remission.

The procedure, a first in Singapore, was carried out by SGH doctors on a 40-year-old breast cancer survivor. Her ovarian tissues were transplanted back to the natural ovary location three years after she was treated for cancer. After the procedure, the patient’s menstruation resumed, indicating that she was ready for conception again.

“The freezing of ovarian tissue and storage have shown to preserve the functions of the ovary and vitality of egg follicles, even after several years of storage in liquid nitrogen. Doctors should offer this option of preserving and restoring fertility to suitable patients as part of holistic treatment,” said Dr Yu Su Ling, Senior Consultant, Department of Obstetrics & Gynaecology, and Director, Centre for Assisted Reproduction.

Clockwise from above: A suitable patient has one of her ovaries removed, the ovarian cortex is isolated and the tissues are cut into small strips to allow penetration of cryoprotectant during cryopreservation. Top right: The ovarian tissues are stored in liquid nitrogen tank at temperatures of -196 degree Celsius. Bottom right: The strips of ovarian tissue are frozen using a programmable freezing machine.
Falls are a leading cause of death and disability in Singaporean older adults. Accurate and early prediction of future falls can facilitate management and prevention of falls. SGH’s Physiotherapy Department conducted a series of studies to examine the role of balance and the risk of falling. Through the ingenious use of game consoles, the team is able to measure patients’ standing balance accurately which improves the prediction of future falls.

“The past years have seen investments in developing originally laboratory-based instruments for routine field use. Yet, by most accounts, we remain in the very early stages of these endeavours. Given the impracticality of current proprietary products, we believe that a convenient alternative is to repurpose affordable and commercially-available devices – that is, the Nintendo Wii Balance Board and Microsoft Kinect,” said Dr Pua Yong Hao, Principal Physiotherapist, Department of Physiotherapy.

Dr Pua and his team have published several papers and they serve as proof-of-concept demonstration that it is possible to unlock deep insights from the extensive data streams now available from affordable, commercially available devices – without having to make major new investments in technology. Dr Pua has led a line of research to examine standing balance and functional ability in older adults with knee osteoarthritis or osteoporosis. The Wii Balance Board is one such tool that is used to measure patients’ standing balance accurately. The team has previously used the results from the Wii Board to predict future falls in moderately-frail older adults, and plans are also underway to use it to guide walking aid prescription for patients who have recently undergone a knee replacement surgery.

But this research development would not have been possible without strong collaborations between healthcare professionals and a sports scientist. Indeed, the idea to repurpose the Wii and the Kinect was initiated by Dr Ross Clark, an exercise scientist and sports biomechanist from Australian Catholic University. Ms Ong Peck Hoon, Principal Physiotherapist, Department of Physiotherapy, also brought a wealth of experience in designing and coordinating research projects in a clinical setting.

But greater collaboration is still required. Dr Pua hopes that the idea of using the Wii and the Kinect to assess fall risks will eventually gain traction and attract a multidisciplinary team of biostatisticians, data scientists, public health experts, nurses, biomedical engineers, and gerontologists. “Given that falls in older adults are multifactorial in cause and effects, the standard of research studies can be elevated only when there is greater cross-fertilisation of ideas and expertise,” said Dr Pua.

Although, for now, these gaming devices complement rather than replace conventional assessment tools, they reaffirm our commitment to better patient care through innovation and better use of medical technologies.
The Wonders of Medical Inventions

Mona Lisa, a culmination of a decade of developmental work by a team of SGH urologists, is a medical innovation that revolutionises prostate biopsies with improved patient safety and accuracy in cancer detection.

Prostate cancer is the third most common cancer among Singaporean men. Conventionally, it is diagnosed with the manual method, in which prostate tissue needed for biopsy is obtained through the rectum. This can cause infection in one out of 20 patients.

But with iSR’obot™ Mona Lisa, more commonly known as just Mona Lisa, prostate biopsies are done via the perineum (the area of skin that is between the scrotum and anus). This reduces the infection rate from 5 per cent to less than 1 per cent – a significant boost to patient safety. Even more remarkable about this revolutionary biopsy invention is its high accuracy of cancer detection rate of 90 per cent, compared to 70 per cent associated with the conventional method.

This novel prostate cancer detection approach reduces post-biopsy morbidity and aids in decision-making for treatment option leading to improved patient’s quality of life. It also allows savings in treatment costs. If the robotic prostate biopsy is negative, patients are very unlikely to have cancer, giving them better reassurance.

Mona Lisa was developed by Biobot Surgical Pte Ltd, together with specialists from SGH’s Department of Urology, Prof Christopher Cheng, Senior Consultant, Dr John Yuen, Senior Consultant, and Asst Prof Henry Ho, Senior Consultant, as well as Nanyang Technological University engineers led by the late Prof Ng Wan Sing.

It was in the making as far back as 2003, with the team working tirelessly and fervently to overcome the technical challenges for the pre-clinical and clinical trials.

“The joy when we overcame the challenges was indescribable,” said Asst Prof Ho, who received medical technology training at Stanford University in US through an A*STAR scholarship. In addition, funding support for medical technology was not as strong during the earlier stages of developing Mona Lisa. Now, Singapore is making a concerted push to create a medical technology eco-system, including SingHealth. Initiatives include funding support, talent and expertise nurturing and cross-institutional collaboration. “Funding support now favours translational projects that have a direct impact on patient care. This is important for medical technology development to flourish,” said Asst Prof Ho.

In 2011, Mona Lisa was approved by the US Food and Drug Administration. Just a year later, there was increased commercial interest in the US and Europe. International trials will begin in Germany in late 2013.

A strong advocate for translational medical research, Asst Prof Ho believes time and collaborative mind-set are key components in advancing such developmental work that has immediate impact in patient care. “As clinicians are heavily engaged in patient care, protected time to identify and ponder through clinical problems will facilitate their involvement in Academic Medicine. Without the fear of losing clinical skills and contact, new ideas will germinate over time and collaborations will lead to solutions which can be translated back to patient care,” he said.
A knee implant can typically last at least two decades but such a procedure often poses a challenge to surgeons as it requires a high level of precision. With the new ROBODOC surgical system, such level of precision is now achievable.

Patients can now look forward to longer-lasting implants with this new robotic procedure that can cut bone to an accuracy of 0.02mm – finer than a strand of hair.

Patients stand to benefit from this advanced procedure as it minimises post-surgery complications, which can occur if the implants are not properly fitted. A better fitted implant would also reduce the need for patients to return for additional surgeries.

SGH’s Nuclear Medicine and PET Department introduced a new radioactive treatment called Peptide Receptor Radionuclide Therapy (PRRT) which may hold the answer to destroying cancer. SGH is one of the first hospitals in the Asia-Pacific region to offer the procedure.

In May 2012, Ms Zhang, a 41-year-old former banker, became one of the first patients to undergo the new treatment. Diagnosed with a rare disease known as neuroendocrine cancer, Ms Zhang underwent a year of arduous treatments which included 10 rounds of chemotherapy and a daily dose of an expensive drug which made her bleed internally. However, after starting on the new treatment, she has been able to enjoy a better quality of life without the ill effects from cancer treatment. As of mid-2013, 14 patients have undergone the treatment successfully.

The revolutionary use of modern gaming technology has met with great success – SGH, for instance, has developed a supermarket game for stroke patients to practise reaching for objects. KK Women’s and Children’s Hospital, on the other hand, is trying out games as a form of exercise for children with gait and balance problems.

The Nintendo Wii, Xbox Kinect, and even tablets like the iPad, have also been used regularly at therapy sessions. Given the endless possibilities that technology brings to improved patient care, SGH, in partnership with other SingHealth institutions, has been working on several studies and projects to ascertain the feasibility of incorporating more gaming functions into treatment modalities.

In recent years, healthcare practitioners have looked to the gaming industry for inspiration in developing cutting-edge techniques to help stroke patients and the elderly improve mobility. In a collaboration among various Allied Health departments including Occupational Therapy, Physiotherapy, Rehabilitation Medicine and Geriatric Medicine, video and computer games were the tools of choice to aid patients on their road to recovery.

The number of patients who have undergone the PRRT to date.

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Education

LIVING LAB
Tapping on the expertise of engineering students from NUS’ Engineering Design and Innovation Centre, a module has been specially created where students get to design and build innovative solutions to meet the rehabilitative needs of patients from SGH and Bright Vision Hospital.

Some 15 students took up this module where they were given the opportunity to observe and speak to healthcare professionals as they went about their work. Dr Ng Yee Sien, Head and Senior Consultant, Department of Rehabilitation Medicine, said: “We hope to introduce the idea of a ‘living lab’ where students are able to gain hands-on experience with patients in hospitals. This allows them to learn more about patients’ conditions and the challenges that they face, thereby allowing them to customise treatment modalities to better meet patients’ needs.” Dr Ng added: “The module fulfils what engineering is all about – designing solutions to benefit people through technology.”

RESIDENT NURSE PROGRAMME
Newly introduced in FY 2012, the Resident Nurse programme is designed to complement SGH’s healthcare team in delivering prompt care to patients. September 2013 will see the graduation of the first batch of 20 SGH Resident Nurses from the Colorectal, Orthopaedic Surgery, Urology and General Surgery departments.

Conducted under the aegis of the SingHealth Alice Lee Institute of Advanced Nursing, this programme trains a pool of highly skilled nurses to support doctors and healthcare professionals in the day-to-day running of clinical work. It also provides the opportunity for Senior Staff Nurses and Nurse Clinicians to develop and upgrade their skill sets.

During the course of the programme, Resident Nurses are trained in areas such as clerking – which was previously done only by doctors, physical assessments, daily ward rounds, selected medical procedures and discharge planning. They will also collaborate with doctors on areas pertaining to patient care.

GOLDEN APPLE AWARDS
SGH bagged four awards at the inaugural SingHealth Academy Duke-NUS Golden Apple Awards 2012, which recognises outstanding educators from different healthcare professions.

SGH’s Department of Physiotherapy received the Programme Innovation Award for their work on the Foundations of Lumbar Spine Assessment and Management. They were joined by Assoc Prof Darren Koh, Senior Consultant, Department of Anaesthesiology, who invented the i-Paddle – an interactive web-based learning tool for medical students. Previously, a faculty member would act as a tour guide, leading medical students around the five anaesthesia sub-specialty locations. Now, the interactive capabilities of i-Paddle provide students with content rich information pertaining to activities, topics or knowledge needed in each location. Besides helping students perform tasks, the app enables real time connectivity, and is able to centrally monitor and enhance the performance of students.

Other winners include Ms Esther Lim, Head, Department of Medical Social Services, who was conferred the Outstanding Creative Educator Award, and Mr Ow Yong Lai Meng, Principal Medical Social Worker, Department of Medical Social Services, who was awarded the Outstanding Young Educator Award. They were both recognised for their exceptional contributions in educating the future generation of healthcare professionals.

LEAP TO ORTHOPAEDIC EXCELLENCE
The inaugural International Orthopaedic Nursing Congress, themed ‘Leap to Excellence’, was held in November 2012. The Congress, organised by SGH with support from the Singapore Orthopaedic Nurses Chapter, serves as an ideal forum for nurses to share the latest nursing trends and best practices, as well as promote and generate new ideas to elevate current standards of care. With nurses playing a pivotal role in the advancement of orthopaedic care, the event also provided a forum for further research collaborations. The event attracted a total of 900 participants.

“We hope to introduce the idea of a ‘living lab’ where students are able to gain hands-on experience with patients in hospitals.”

Dr Ng Yee Sien
Research

SWEET REWARDS FOR WEIGHT LOSS
In a study conducted by Duke-NUS and the Lifestyle Improvement and Fitness Enhancement Centre at SGH, participants are given economic incentives to lose weight during a 12-month-long programme.

The study started in January 2013, and is led by Assoc Prof Eric Finkelstein, Deputy Director, Health Services and Systems Research Program, Duke-NUS, and Dr Tham Kwang Wei, Senior Consultant, Department of Endocrinology. It has two main goals – reduce the dropout rate of SGH’s weight-loss programme, and to encourage patients to maintain their weight loss by instilling changes in their lifestyle habits.

“We’re trying to figure out where incentives can be used, whether they are cost-effective, and how we can more broadly tie these things together in what might look like an incentive-based healthcare design,” said Prof Finkelstein.

HOPE FOR LIVER CANCER PATIENTS
One of the major difficulties faced by liver cancer patients and doctors is deciding on the treatment route as the illness can behave radically differently from one person to another.

For a more targeted treatment, the AHCCO6, the largest collaborative liver cancer trial in the region, was launched in 2010 to compare the efficacy of oral drug Sorafenib and targeted radiotherapy Yttrium-90 SIR-Spheres, two proven therapies for locally advanced liver cancer.

In 2012, the study was expanded to include an ancillary study on biomarkers – or proteins – that can reveal whether a person possesses characteristics such as being insensitive to a particular drug.

A second extension of the study will involve testing a new way to conduct medical scans of the liver to locate cancer cells more accurately. Investigators will also be tracking the recovery of the liver after initial treatment to determine when the patient is ready for surgery.

The trial, which is due to be completed in 2015, aims to reach out to 360 patients in 28 centres in 11 countries. By July 2013, 202 patients have already been recruited.

Prof Pierce Chow, Senior Consultant, Department of General Surgery, who leads the project said: “The trial is significant as it could help future patients decide which treatment option is best for them.”
Our People

NATION’S TOP MEDICAL SOCIAL WORKER
With 17 years of social service experience under her belt, Ms Esther Lim, who heads SGH’s Medical Social Services Department, received the Outstanding Social Worker Award, the nation’s highest honour in the field. The awards, organised by the Singapore Association of Social Workers, were presented by President Tony Tan Keng Yam on 29 October 2012 at the Istana.

Specialising in the field of suicide prevention, crisis and social intervention, Ms Lim is a strong advocate for high standards of professionalism and clinical care. She played an instrumental role in the advancement of Medical Social Workers’ learning, providing training in areas such as suicide and crisis intervention, mental health first-aid, and evidence-based social interventions.

NATION’S TOP NURSE
In July 2012, Ms Lian Siew Bee, Assistant Director, Nursing, Advanced Practice Nurse received the President’s Award for Nurses, the nation’s highest accolade for the profession.

Having been with SGH for 19 years, Ms Lian has taken on multiple roles and is involved not only in clinical practice but education and research as well. She plays a key role in developing structured oncology training for nurses and conducts and promotes research to improve patient outcomes. This includes a study on using green tea as an alternative to antibiotic powder for cleaning infected tumour wounds for cancer patients.

LEARNING WITHOUT BOUNDARIES
A total of 71 medical, nursing and allied health professionals were awarded overseas skills attachment training funded by the Ministry of Health’s Healthcare Manpower Development Plan (HMDP) and SGH. These training programmes include Minimally Invasive Surgery and Robotics Assisted Laparoscopic Surgery, Endoscopic Skull Base and Robotic Head & Neck Surgery, an Integrated Service in Lower Limb Salvage for Peripheral Vascular Disease: Saving Limbs, Preserving Lives (Team Based), and In Vitro Maturation and In Vitro Fertilisation (IVM-IVF) Without Injection for Polycystic Ovarian Syndrome (PCOS) Patients (Team Based). The trainings serve to enhance their knowledge and skills which they can apply to their work and impart to others for better care delivery.
Community Engagement

TOUR DE SGH!
President’s Challenge 2012 fundraising event at SGH was a bustling affair as staff rallied together to raise funds for the needy by cycling their hearts out. Staff paid S$10 for every kilometre cycled by their colleagues. More than S$17,000 was raised by some 50 cyclists who clocked in an astonishing 1,600 kilometres.

SGH also held its signature charity bazaar, where it raised more than S$9,000. During the President’s Challenge finale event, more than 250 SGH volunteers helped out to ensure that the event ran smoothly.

Top (from left): Dr Terence Kee, Senior Consultant, Department of Renal Medicine, Prof Christopher Cheng, Senior Consultant, Department of Urology and Mr Tan Yoke Yin, Asst Manager, Worklife Unit participating in Cycle for a Cause.
Bottom: SGH staff helping out at the Charity Bazaar.

FRIENDS OF SGH
SGH held various outreach programmes in FY 2012, where volunteers had plenty of opportunities to offer their services. One meaningful activity carried out by members of the Volunteer Club was to paint and clean 28 households in the Henderson/Bukit Merah area. SGH also worked with various community partners and non-profit organisations, such as Silver Connection, People’s Association, the Organisation of Senior Volunteers, and Women’s Initiative for Ageing Successfully to recruit volunteers for the Friends of SGH Guiders Programme.

The Friends of SGH Guiders Programme has about 30 dedicated volunteers who either station themselves at various points or roam throughout SGH. They actively seek out elderly patients to assist them, especially the lost and weak who need directions. Since 2010, the Guiders have helped more than 30,000 patients.

PAINT THE PERFECT PICTURE
Healing through art is believed to help enhance patients’ physical, social and emotional well-being. In FY 2012, SGH Arts for Health organised more than 16 performances for our patients. One of the most memorable events was a concert by a group of four to 12-year-olds from Canossian School and the Joyful Strings held on 10 November 2012.

Besides music, SGH Arts for Health also worked with support groups such as the Colorectal Cancer Support Group and Eating Disorder Team to co-create exhibitions at the Arts Expressions wall to create a vibrant and healing environment for patients.

Top: Out of their Silent World – a Mondrian-inspired art exhibition by hearing-impaired teenagers and their parents to commemorate the International Week of the Deaf in September.
Bottom: Happy Birthday Singapore! – An exhibition to celebrate our nation’s 47th birthday and in support of the National Day Parade theme, “Loving Singapore, Our Home”.

Top: Out of their Silent World – a Mondrian-inspired art exhibition by hearing-impaired teenagers and their parents to commemorate the International Week of the Deaf in September.
Bottom: Happy Birthday Singapore! – An exhibition to celebrate our nation’s 47th birthday and in support of the National Day Parade theme, “Loving Singapore, Our Home”.
### Key Figures

#### Singapore General Hospital

<table>
<thead>
<tr>
<th></th>
<th>Year ended 31 Mar 2013</th>
<th>Year ended 31 Mar 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Licensed Beds (as at 31 Mar 2013)</td>
<td>1,597</td>
<td>1,579</td>
</tr>
<tr>
<td><strong>Workload per annum</strong></td>
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<tr>
<td>Bed Occupancy Rate</td>
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<td>80.7%</td>
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<tr>
<td>Inpatients</td>
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<td>76,061</td>
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<tr>
<td>Total Patient Days</td>
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</tr>
<tr>
<td>Average Length of Stay (days)</td>
<td>6.1</td>
<td>6.1</td>
</tr>
<tr>
<td>Total Surgical Operations</td>
<td>79,507</td>
<td>78,413</td>
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<tr>
<td>Day Surgeries</td>
<td>43,940</td>
<td>44,607</td>
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<tr>
<td>Inpatient Surgeries</td>
<td>35,567</td>
<td>33,806</td>
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<tr>
<td>Specialist Outpatient Clinic Attendances</td>
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<td>694,067</td>
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<tr>
<td>Accident &amp; Emergency Attendances</td>
<td>149,269</td>
<td>146,228</td>
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#### Staffing (as at 31 Mar 2013)

<table>
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<tr>
<th></th>
<th>Year ended 31 Mar 2013</th>
<th>Year ended 31 Mar 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>8,569</td>
<td>8,188</td>
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<tr>
<td>Doctors</td>
<td>994</td>
<td>936</td>
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<tr>
<td>Nurses</td>
<td>3,914</td>
<td>3,803</td>
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<tr>
<td><strong>Allied Health Professionals</strong></td>
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<tr>
<td>Others</td>
<td>2,175</td>
<td>2,096</td>
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</tbody>
</table>

**Note:** Staffing figures refer to Filled Posts, in terms of Full-Time Equivalent, and may not add up to total due to rounding.
Awards & Accolades

PATIENT CARE

Asian Hospital Management Awards 2012
Runner-up for Clinical Service Improvement Project:
“Response time of Department of Emergency Medicine (DEM) code blue team reduced to less than 5 minutes”
• Ching Sui Ching
• Ho Soo Ling

CEO Best Clinical Nurse Award 2012
• Rajashulakshana d/o Rajaram
• Clara Tai Chia Chia
• Tan Hui Fen

Courage Fund Bursary Award 2012
• Chen Juan
• Choo Seow Ling
• Chu Ho Yim
• Fong Pe Yuan
• Han Lin Fiona
• Kamsiah Bre Haji Mohsen
• Kee Xi Ling
• Khoo Bao Lin Elizabeth
• Koh Seow Ying Cheryl
• Koh Shu Wen Esther
• Lai Mei Yin
• Leong Ee Won
• Fiona Leong Pui San
• Liew Min Di Audrey
• Lim Xinyi
• Lim Shu Yi
• Kellyn Lim Li Juan
• Mohammad Shafiq Bin Omar
• Ng Yee May
• Nurmaria Bte Aksin
• Nurul Fadhilina Bte Noorshah
• Nurul Shakila Binte Kamal
• Rizwan Bin Mohd Anis
• Seah Soon Peng
• Sharifah Farhanah Binte Abdul Rahman
• Tan Hui Min
• Tan Xin Jin Grace
• Teo Zhao Ju Jacqueline
• Tiang Poh Ching
• Zhang Ye

GCEO Excellence Awards 2013
Outstanding Administrative Staff Award
• Ramalingam Gobi Nathan

Outstanding Administrative Staff Award (Special Mention)
• Wee Mei Ling Jennifer

Outstanding Allied Health Professional Award
• Assoc Prof Alvin Lim Soon Tiong

Outstanding Allied Health Professional Award (Special Mention)
• Olivia Khoo Ruey Lin

Outstanding Ancillary Staff Award (Special Mention)
• Low Seng Kee
• Tay Kim Say

Outstanding Clinician Award
• Assoc Prof Tan Seang Beng

Outstanding Clinician Award (Special Mention)
• Assoc Prof Tan Ban Hock

Outstanding Clinician Researcher Award
• Asst Prof Chuah Thuan Heng Charles

Outstanding Educator Award (Special Mention)
• Assoc Prof Chan Choong Meng

Outstanding Nurse Award (Special Mention)
• Punasundri d/o Thangaraju
• Tien Choo Eng

Healthcare Humanity Awards 2012
• Ho Yoke Kum Lillie
• Hone Swee Mui @ Thia Chwee Mui
• Jamnaranji d/o Kannusamy
• N Tave
• Neo Ah Hoe
• Ng Li Li Deborah
• Ruyani Bte Abu Yamin
• Tan Siew Choo
• Tay Pei Fang
• Yap Chew Theng
• Yeap Theng Hui Stephanie
• Yeo Kee Cheng
• Yuan Long Xia

MOH Nurse Merit Award 2012
• Sharonjit Kaur
• Lee Min
• Lee Yean
• Lee May Lin Elaine
• Leong Siew Teang
• Lim Tow Choo
• Liow Siew Ch'ng Eunice
• Seah Soon Peng
• Seah Sok Cheng
• Tan Sue Ching

National Day Awards 2012
Commendation Medal
• Kong Nyuk Min Sally
• Lee Sook Ling
• Tan Geok Eng
• Dr Tracy Carol Ayre
• Dr Wong Ming Lee Camilla

Efficiency Medal
• Goh Seok Tin Irene
• Kanaga Pushpam D/o S Chelliah
• Koh Choon Hwa Katherine
• Lee Lay Eng
• Lee Ewe Choon
• Lim Heng Moy Linda
• Lim Poh Ying Christina
• Ng Lay Hwa
• Ng Yuen Jin Angela
• Sim Chee Hong Carol
• Tan Chor Kien
• Wong Sau Kheng Agnes
• Yeo Bee Chin
• Yong Yueh Li Patricia

Long Service Medal
• Abdul Samat Bin Haneefa
• Abidah Bte Sulaiman
• Ahmad Bin Amir
• Aishah Bt Adri
• Ajir Binte Abdul Salam
• Prof Ang Chong Lye
• Anifah Bte Mian
• Arumugam Kamalai
• Asnah Binte Abdul Salam
• Azizah Binte Tawil
• Bahkia Bin Hashim
• Beh Kin Lin
• Boh Tuan Boey
• Assoc Prof Chan Yew Weng
• Chan Poh Wah
Outstanding Social Worker Award
• Esther Lim

President’s Award for Nurses 2012
• Lian Siew Bee

Singapore Health Quality Service Award 2013
Superstar Award
• Alice Ang Eng Hong (Nursing)
• Assoc Prof Tan Ban Hock (Clinician)

114 Star Awards
405 Gold Awards
749 Silver Awards

Best Team Award
Clinical Practice Improvement:
NICU Team
• Dr Selina Ho Kah Ying
• Dr Imelda L Ereno
• Lam Keung Hung David
• Masitah Ibrahim
• Subramanian Krishnakumar
• Tay Yih Yann
• Assoc Prof Yeo Cheo Lian

Best Team Award
Service Initiative Improvement:
Safely Receive, Soundly Sleep
• Winston Bau
• Dr Chen Yunxin
• Chin Lee Yong
• Corrine Chua Mui Luan
• Hayati Bte Mohamad
• Hsann Yin Maw
• Dr Mya Hae Tha
• Dr Ramir
• Tam Fung Wan
• Tan Chor Kien
• Zhang Ai Min

SingHealth Excellence Awards 2013
Distinguished Educator Award
• Assoc Prof Lim Boon Leng

Distinguished Mentor Award
• Dr Tan Siok Bee

Distinguished People Leader Award
• Dr Tracy Carol Ayre

Distinguished Visionary Leader Award
• Prof Ang Chong Lye

Distinguished Young Leader Award
• Asst Prof Phua Ghee Chee

Tan Chin Tuan Nursing Awards
• Chua Lee Yan (Winner)
• Teng Hwee Siang (1st runner-up)
• Chong Chwee Hong Clarice (2nd runner-up)

EDUCATION
SingHealth-Lee Foundation Nursing Awards
• Chong Chwee Hong Clarice
• Chua Lee Yan
• Lim Peng Muay
• Nanthakumahrie d/o Gunasegeran
• Noraini Bte Mohd Dawood
• Tan Chor Kien

RESEARCH
NMEA National Outstanding Clinician Scientist Award 2012
• Prof Pierce Chow

NMRC Clinician Scientist Award 2012
• Dr Ling Khoon Lin

NMRC Transition Award 2012
• Asst Prof Chong Tsung Wen
• Asst Prof Leung Ying Ying

PS21 Distinguished Star Service Award 2012
• Toh Siew Pang (Outstanding Activist)

HUMAN RESOURCE
Community Chest Award – SHARE Gold Award

Singapore HEALTH Award 2012
• Singapore HEALTH Award (Platinum) 2012

Singapore HR Awards 2012
• Best Mature Workforce Practices

TAFEP Exemplary Employer Award 2012

Work-Life Excellence Award 2012

OTHERS
Community Chest Award – SHARE Gold Award

International Convention of Quality Control Circles 2012
Two star
• EASE Traffic (Division of Nursing, Department of Emergency Medicine)
• SPINE (Division of Nursing, Ward 64 and Department of Materials Management)
• – (Division of Medicine and Service Operations/IT)

Three star
• NEST (Division of Nursing, Ward 52B)
• PETS (Division of Nursing, Ward 76)

Magnum Opus Awards 2012
Best Overall Editorial (Silver)
• Singapore Health

National Safety and Security Watch Group (SSWG) Award
• SGH Security team

2012 International Association for Music & Medicine Conference
Best Poster Award
• Christal Chiang Hei Loi
• Dr Patsy Tan Lee Peng

2012 WebAward
• Healthcare Provider Standard of Excellence