ANNUAL REPORT

Recurrent Funding for Knowledge Transfer

Submitted to
University Grants Committee

2016-17

香港中文大學
The Chinese University of Hong Kong

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1 Executive Summary

In our Initial Statement on Recurrent Funding for Knowledge Transfer for the 2016-19 Triennium, we reaffirmed the University's commitment to "achieve enduring excellence in teaching, research and knowledge transfer". We also highlighted various measures at the administrative, organisational and operational levels to support students and staff to "turn their research and knowledge into sustainable social impact". We are happy to report that we continued to make significant progress in these activities in 2016-17. We are managing 369 contracts and research agreements, and received more than $148 million in committed contract research and consultancy income. The University also received $84.8 million in collaborative research income during this period. CUHK inventors disclosed 54 new inventions in 2016, and 223 and 132 patent applications were respectively filed and granted. We granted 90 licences this year to local and overseas companies, generating licensing income of $68.9 million. This represents a respective increase of 34% and 78% over the previous year. On top of that, CUHK was named the most innovative University in Hong Kong by "Reuters Top 75: Asia's Most Innovative Universities" in both 2016 and 2017.

2016-17 Some Key Indicators of Knowledge Transfer

Indicator	Value
Income from IP	HK$ 68.9M
Number of Patents Filed	223
Net Income from Spin-off Companies	HK$ 10M
Income from Collaborative Research	HK$ 84.8M
Income from Contract Research	HK$ 29.6M
Income from Consultancies	HK$ 118M
Income from CPD Courses	HK$ 40.6M
Number of Beneficiaries from KPF	247,461
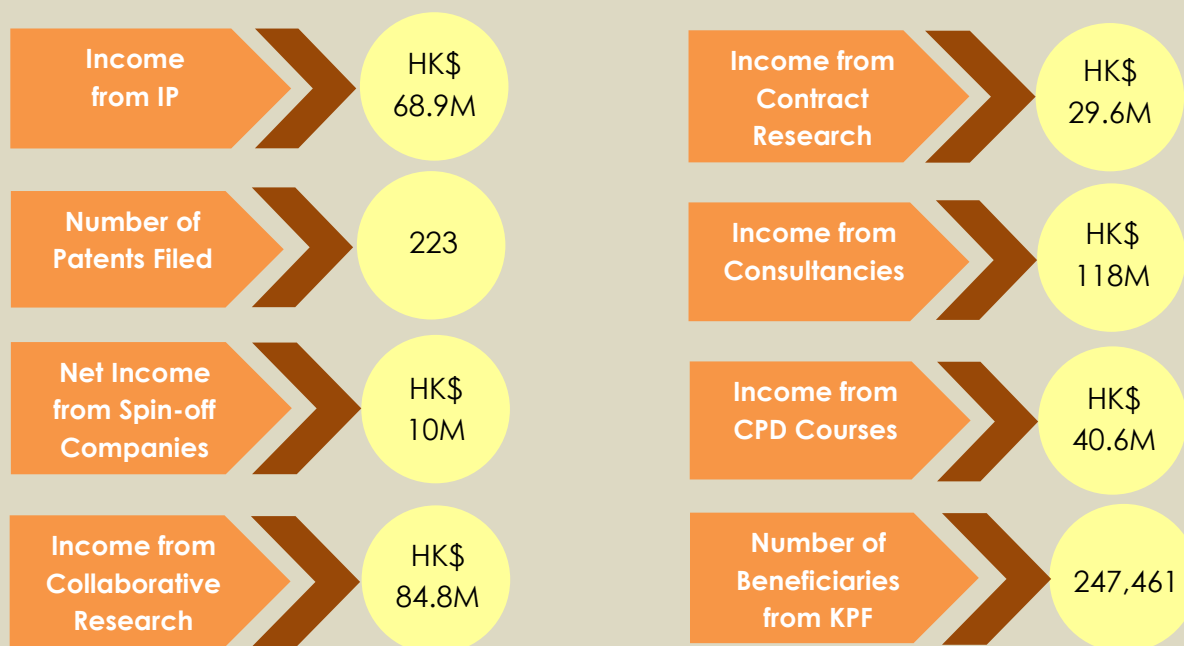
In addition to the **Technology Support Scheme for Universities (TSSSU)** by the Innovation & Technology Commission (ITC) for staff and students, we also used part of our UGC knowledge transfer fund to support student-initiated start-up projects or (as we call them) **Pre-incubation-teams (Pi-teams)**. These two programmes have attracted steady interest since their introduction in 2014, and receive around 45 Pi and 25 TSSSU

applications each year. We are able to fund around 15 active TSSSU companies and 17 active Pi-teams annually.

Starting from our pioneer efforts in 2014 to help faculty members from all disciplines to develop innovative social enterprises, CUHK has built a solid reputation and track record in social innovation. We received a lump sum grant of more than $1.5 million from the **Social Innovation and Entrepreneurship Development Fund (SIE Fund)** in 2017 to support four of our **Knowledge Transfer Fund (KPF)** projects to drive social innovation in academia. We believe CUHK can continue to play a leading role in this area, and we will continue seeking additional external funding sources to encourage our staff in social innovation that addresses the needs of society.

During 2016-17 we identified a number of multi- and inter-disciplinary R&D opportunities to develop long-term interactions with industrial partners and investment communities. An increase in the number of inbound meeting requests and substantial licensing / research collaboration negotiations indicates that our knowledge transfer strategies are working. We are confident that the Office of Research and Knowledge Transfer Services (ORKTS) will continue to accelerate the knowledge transfer process at CUHK to benefit society as a whole.

2 Changing Landscape – Role of KT in the "Re-industrialisation of Hong Kong"

CUHK is a centre of excellence in knowledge creation, and has generated many innovative ideas and upstream technology since its establishment in 1963. The University was named the most innovative University in Hong Kong by "Reuters Top 75: Asia's Most Innovative Universities" in both 2016 and 2017. It is well positioned to take advantage of the recent strengthening of strategic mid-stream support by the HKSAR government and the business sector to translate and develop its upstream knowledge into downstream applications. As the world becomes more interconnected, the ability to develop talents with interdisciplinary skillsets and build translational platforms with international standards will be crucial in achieving the successful "re-industrialisation" of Hong Kong. Our strategy includes:

- Developing effective world class entrepreneurship education, and inspiring students and staff to unleash their creativity and growth potential; and
- Expanding entrepreneurial training and start-up services, and strengthening translational research and mid-stream development to bridge the gap between research and commercial development; and
- Leveraging academic-industry partnerships to help students and staff to develop and grow targeted emerging innovative industries.

The Cocorobo Team, our Pi Programme graduate and now a TSSSU company

Visit to prototyping facilities in Shenzhen organised by Pi-Centre

3 Strengthening Entrepreneurship and Innovation

3.1 An Interdisciplinary Entrepreneurship Minor Programme

The planned launch of a new **Entrepreneurship and Innovation (EPIN) minor programme** in 2017 is progressing well. It will adopt an interdisciplinary approach and is open to all undergraduate students. Its curriculum simulates the process of creating a new venture through the Ideation, Realisation and Commercialisation stages, and helps the students to develop the necessary attitudes (including social responsibilities and proper conduct in research and development) and skills. The students will learn by practice through the reiteration of the Design-Make-Test cycle. The EPIN minor programme will be complemented by relevant internship programmes and start-up services.

3.2 A New Inno-Hub to Provide Comprehensive Start-up Services

To further strengthen our support in entrepreneurial activities on campus, we intend to establish a new Inno-Hub, coordinated by ORKTS, to support the various existing units involving in entrepreneurship and KT activities. The Inno-Hub will provide a vibrant co-creating environment to allow start-ups to pursue their specific business ventures. It will provide comprehensive state-of-art Design-Make-Test facilities and business support to facilitate the initiation and development of entrepreneurship ventures under various KT support schemes at different stages of development and commercialisation.

The Inno-Hub will also host interactive learning activities such as boot camps, Hackathon, career workshops, a distinguished lecture series on entrepreneurship and various competitions. It will also serve as a focal point for the engagement of potential business partners including alumni networks to foster entrepreneur mentorship and business investment opportunities (e.g. Entrepreneur Day).

Workshops and talks held at Pi-Centre

3.3 Knowledge Transfer through Entrepreneurship

3.3.1 Pi-Centre

The Pi-Centre continues to play an important role in incubating entrepreneurial spirit among students and providing mentorship services for our technology and social innovation start-ups.

More than 40 applications to the Pi Programme were received last year, in two batches. 14 teams were accepted for a 12-month incubation programme. One graduate Pi-team, Cocorobo, is an educational technology company dedicated to providing STEM education through the development of well-designed products and curriculums, combined with cutting-edge educational methodology to impart knowledge to students. Although it was established only recently, Cocorobo has already engaged several paying customers from among Hong Kong's schools and other educational organisations. It also got into Hong Kong Science and Technology Parks Corporation (HKSTP)'s incubation programme and TSSSU to continue developing its business.

3.3.2 TSSSU

Besides Cocorobo, we also provided funding through TSSSU to 14 other CUHK start-ups this year from a range of industries, including educational technology, robotics, VR, biomedical, Internet-of-Things (IOTs) and healthcare technologies.

3.3.3 CUHK Alumni Torch Fund and Entrepreneur Day

The CUHK Alumni Torch Fund, founded in September 2014, was initiated by a group of CUHK alumni representatives and is supported by the Alumni Affairs Office of CUHK to promote a caring culture among CUHK alumni. It seeks to help young CUHK alumni strengthen their competitive advantages and widen their exposure to entrepreneurial opportunities.

The CUHK Entrepreneur Day, established in 2015, is an annual event initiated by the CUHK Alumni Torch Fund. This year's Entrepreneur Day featured a series of talks,

seminars and discussions with alumni entrepreneurs, and an exhibition showcasing nearly 70 start-ups by CUHK alumni and students. A new development this year was the launch of the CUHK Entrepreneurship Competition. The winning teams signed a Memorandum of Understanding (MoU) with alumni investors.

3.3.4 The Vice-Chancellor's Cup of Student Entrepreneurship (VCCE)

The VCCE is an entrepreneurship competition for students. This year's competition was arranged around the themes "Smart living" and "Smart health", and featured examples of the use of AI, VR / AR, big data and novel technologies to solve problems related to housing, transportation, kitchen waste, global warming, an aging population and disease epidemics.

This year we changed the format to a three-day, two-night boot camp. Interested students with an entrepreneurial mind-set would come together, undergo basic training in starting a venture, then brainstorm among themselves to form teams and come up with an initial business idea on the first day. The teams, mentored by eight alumni over the following 30 hours, then refined their business model and developed basic prototypes to present to a panel of judges on the final day. The three winning teams won cash prices, and were also awarded a team internship worth up to HK$50,000 to implement the first phase of their projects in the summer break at the Pi-Centre, under mentorship.

Awardee of the Best Innovative Idea Award (left) and Champion of the VCCE Boot Camp 2017

3.4   Capacity Building and Reaching out to External Partners

To strengthen the entrepreneurship and innovation capacity of CUHK, we visited the Johnson & Johnson Innovation JLABS in San Diego, and supported the EmTech Hong Kong conference in 2017. We learned first-hand how JLABS provides a capital-efficient and flexible platform to transform early scientific discoveries into tomorrow's breakthrough products. The success stories presented in EmTech Hong Kong 2017 also provided inspiring examples to ten CUHK researchers who attended the event.

Our IP and Technology Licensing Team (IPTLT) and Technology Liaison Team (TLT) have widened their global engagement with industrial partners. During the report period our teams visited the Genomics Institute of the Novartis Research Foundation in San Diego and the Shenzhen Technology Transfer Promotion Centre. We also attended networking events and took part in more than 50 one-on-one partnering meetings in various industrial conferences, including EmTech Hong Kong, the International Summit of Technology Transfer for Higher Education (Huizhou, China), the CNS Partnering & Deal-Making Conference (Boston, USA), BioPharm America (Boston, USA), the World Orphan Drug Congress (Brussels, Belgium) and the BIO International Convention (San Diego, USA), which gave us the opportunity to showcase our innovative technologies. We also received four delegations: a pharmaceutical company from Guangdong Province (China) and three multinational pharmaceutical / biotech companies from the United States and Europe.

Showcase and presentation of CUHK Biomedical technologies at the BIO International Convention

In view of the interest from investment communities in early-stage biomedical technologies, we also participated in two investment-focused forums: the Redefining Early Stage Investments (RESI) Conference (Boston, USA) and the Biotech and Money Inv€$tival Showcase (London, UK). We hosted visits from seven investment firms (one from the United States, one from Germany, four from Hong Kong and one from the Middle-East). These visits offered a good opportunity for us to seek funding from the investors concerned.

To acquire more first-hand market information on industry and widen our knowledge of technology transfer developments elsewhere, our teams received a delegation from the Korean Intellectual Property Office and visited several overseas organisations (the MIT Technology Licensing Office and the Harvard Office of Technology Development in Boston, USA; and the Sino-American Biomedical & Pharmaceutical Professionals Association in San Diego, USA). Our teams also attended professional workshops focusing on university ventures, technology licensing strategies and Medical Device Regulations. In April 2017, our teams hosted a workshop titled "Health & Green Innovation in Asia" at the Association of University Technology Managers (AUTM) Asia 2017 conference. Leading local and overseas Intellectual Property practitioners, technology transfer specialists, R&D engineers and venture capitalists held a panel discussion on how Asia can tackle unmet medical needs and environmental stress via

Interview by PharmaVentures Ltd at the Biotech and Money Inv€$tival Showcase

Hosting the Korean Intellectual Property Office delegation

academia-industry collaborations. More than 150 attendees were present in the session, and many fruitful and inspiring ideas were generated.

In April 2017, we invited two CUHK alumni to share their successful entrepreneurship experience in two different meetings. Dr Allen YU (Co-Founder, Codex Genetics) spoke at the Coller Institute of Venture Annual Conference 2017, and Mr Rex SHAM (Chief Science Officer / Co-Founder, Insight Robotics Ltd) at the AUTM Asia conference 2017. We also invited Dr Kenneth FONG (Chairman of Kenson Ventures LLC) and Dr Sunny SIU (Chief Strategy Officer of ProphetStor Data Services Inc.) to share their own experience of establishing or investing in high-tech companies, by way of encouraging aspiring Hong Kong entrepreneurs.

4 Facilitating Knowledge Transfer and Commercialisation

4.1 University Policy Updates to Facilitate and Promote Knowledge Transfer

To reflect CUHK's commitment to promoting research and knowledge transfer activities, the University Administrative and Planning Committee approved an amendment to the University's Mission Statement on 25 April 2017 in its Policy on Research, Intellectual Property and Knowledge Transfer: "As an international centre of research excellence, CUHK strives to nurture innovation, entrepreneurship and knowledge transfer for the advancement of humanity". This statement justifies our efforts to promote knowledge transfer in an academic institution.

We continued to review the current Policy on Research, Intellectual Property and Knowledge Transfer (IP Policy), with the aim of striking a balance between protecting the University's interests in intellectual property rights and promoting research, knowledge transfer and entrepreneurship. With the assistance of external professions, the task force looked into the possibility of introducing new domains into the policy, such as the assignment of IP. The income sharing model and ownership arrangement of IP of staff and students are also being considered in the context of the growing trend of entrepreneurship. The new IP Policy is expected to be implemented before the end of the next academic year, pending consultation with different stakeholders and approval by CUHK's senior management.

4.2 Efficient Management of IP and Research Contracts and Agreements

Patenting and licensing of IP are key activities on the critical path to exploit, develop and commercialise University's discoveries. Much work has been done to promote the awareness of IP protection and commercialisation among the University's researchers. ORKTS organised a number of seminars to introduce the patent system, with practical updates of Intellectual Property Law in the United States and China. More than 30 staff and students from different disciplines attended the seminars. We continued to use our Technology and Business Development Fund (TBF) to help our academic staff to develop IP from their research and to explore the commercial potential of their newly developed technologies. Three projects from three different departments received TBF funding this year. (See Annex 10.2 for details.)

We further expanded our IP portfolio and secured patent protection in different technical fields and jurisdictions with strategic importance. Compared to the previous financial year, the University's technology licensing income and number of licences granted increased by 78% and 34% respectively. We granted 90 licences (including a number of royalty-bearing licences) with local and overseas life science companies backed by prominent venture capital providers. The licensing of our inventions to outside companies has not only confirmed the social impact and financial potential of

the University's research, but has also brought an encouraging amount of income that can fund further research and development by our scientists. We will continue to manage the University's IP with a view to maximising the value of CUHK's intellectual assets and promoting the timely transfer of commercially viable knowledge beyond the University.

4.3   Social Innovation

Starting with our pioneering efforts in 2014 to help faculty members of all disciplines to develop innovative social enterprises, CUHK has developed a solid reputation and track record in social innovation. For instance, two of our KPF projects have emerged as sustainable social enterprises with outside support. One company which targets children with autism is supported by the Li Ka Shing Foundation and the company promoting sign languages to serve deaf children is supported by the SIE Fund. Our work at the Jockey Club Centre for Positive Ageing, which provides services in dementia day care and in public education on healthy ageing, is another example of successful social enterprise. We believe that CUHK can continue to play a leading role in this area, and we will continue seeking additional external funding sources to encourage our staff in social innovation that addresses the needs of society.

4.3.1   Reaching out to Investors

Since the establishment of KPF in 2009, ORKTS has relied solely on KT funding from the UGC to support such projects, and the funding amount has remained at roughly the same level for several years. Although ORKTS received 49 promising KPF project applications in 2015-16, only 18 (37%) of these applications could be funded. To ensure that the benefits of ORKTS's KPF projects continue to flow to the local community, ORKTS is actively looking for other funding sources to support these initiatives.

The SIE Fund, which was set up under the HKSAR Government's Commission on Poverty, provides resources to support research and innovative ventures. Given its objectives, the SIE Fund is a particularly promising source of external funding for the KPF.

ORKTS sought a lump sum grant of close to HK$1.6 million from the SIE Fund for funding four KPF projects in 2016-17. All four projects are relevant to SIE Fund's objectives of encouraging social innovation and creating social impacts for underprivileged groups locally. The new funding from the SIE Fund is administered in the same way as the funding mechanism for existing KPF projects. CUHK is the first university in Hong Kong to work with the fund to promote social innovation. The SIE funded KPF projects in 2016-17 are:

Project Title	Coordinating Leader and Collaborator(s)
A Real-time Chinese Sentence Learning Platform for Ethnic Minority Students	Prof CHAN Wai Kwong, Samuel Prof CHEUNG Yam Leung, Lawrence
Development of Chronic Disease Self-management Program to Community-dwelling People with Mild Neurocognitive Disorder	Prof KWOK Chi Yui, Timothy Prof CHAN Yue Lai, Helen
Robot Drama Therapy for Promoting Social Competence of Children with Autism Spectrum Disorders	Prof SO Wing Chee, Catherine Prof LEE Yuet Sheung, Kathy Prof CHAN Yuen Yan, Rosanna
Hong Kong Sign Language Fundamental Medical Knowledge Databank	Prof SZE Yim Binh, Felix Prof WONG Chi Sang, Martin

4.3.2 Bi-monthly Chitchat and Sharing Sessions

To strengthen CUHK's traditional role in bringing social innovation from academia to society as a whole, and to foster interdisciplinary collaboration among professors to address social problems, we started a bi-monthly chitchat and sharing session on campus this year. Each session includes a case sharing of real social problems and solutions from an outside expert, followed by a casual chitchat session which also encourages participants to mingle with one another. The sessions allow ORKTS staff to address a wider University audience when promoting the University's funding and support schemes as well.

Ms Elsie TSUI, Project Director of Hong Kong Social Enterprise Challenge and Centre for Entrepreneurship, speaking at the first sharing session on Academic Social Entrepreneurship

4.3.3 From KPF to S-KPF: Applied Research to Social Enterprise

Prof Agnes CHAN of the Department of Psychology used funding awarded under the **Sustainable Knowledge Transfer Project Fund (S-KPF)** to register her company Pro-talent Association Ltd, which provides music training to autistic children and adolescents. Prof CHAN's research team published an article in *Nature* in 1998, demonstrating that adults who received music training before the age of 12 have a better memory for spoken words than those who did not.

In her 2012-13 project "Interactive Concert for Autism: Integrative Application of Music and Clinical Psychology for Teaching Autism and Cultivating a Harmonic Society", which was funded under KPF, Prof CHAN made the following observation:

> *Music appreciation (in this applied research project) can be applicable to people at all ages, levels of ability and with different cultural and socio-economical background. Therefore, autistic individuals at older age or lower functional ability can join, enjoy and express themselves through music. When this concept has been systematically established and well-documented on the manual, future replication in other educational or allied-health institutes / organisations is possible, such that potential expansion and further advancement of services can be provided to the autistic subgroups that have been overlooked or less cared for.*

After the end of the funding period, in response to feedback received, Pro-talent, a social enterprise, was formed with funding from S-KPF in 2015-16 to provide training to trainers. They in turn provided musical training to autistic children and adolescents. This training not only allows autistic children to communicate emotionally, free from the restrictions of language and functioning levels, but also builds up their confidence as future musicians by enabling them to perform in an orchestra. Moreover, by providing opportunities for individuals with autism to participate in a concert and even play in an orchestra like ordinary

Musical practice by students in Pro-talent's classroom

people, audience members are encouraged to appreciate the potential of autistic people. Currently enjoying a second year of support from S-KPF, Prof CHAN's team is revising its training protocol, expanding its classes and recruiting members for the Pro-Talent Chamber Orchestra, which would eventually give formal performances to the public.

Pro-talent's contribution to society was enthusiastically acknowledged by the arts, business and social sectors, as evidenced by the voluntary participation of celebrity singers in Hong Kong and a further five-year donation from the Li Ka Shing Foundation in Hong Kong in January 2017.

4.4   Bio-Innovation

For biomedical related entrepreneurial projects, we propose to build on the existing expertise and facilities at the Hong Kong Institute of Biotechnology (HKIB) to provide turnkey solutions and jump start mid-stream translational biomedical development in CUHK. Indeed, HKIB has recently received a grant of over HK$30 million from the ITC and the Jockey Club to expand its Good Manufacturing Practice (GMP) Traditional Chinese Medicine (TCM) production facilities.

We plan to leverage public-private partnership and turn HKIB into a modernised translational medicine platform / facility to serve as a bridge from research to product

development in several core areas. For instance, we intend to upgrade and retool our existing GMP expertise and facilities to support TCM GMP quality assurance / certification, and to establish GMP pilot batch and cell processing and manufacturing facilities to support regenerative medicine R&D and clinical trials.
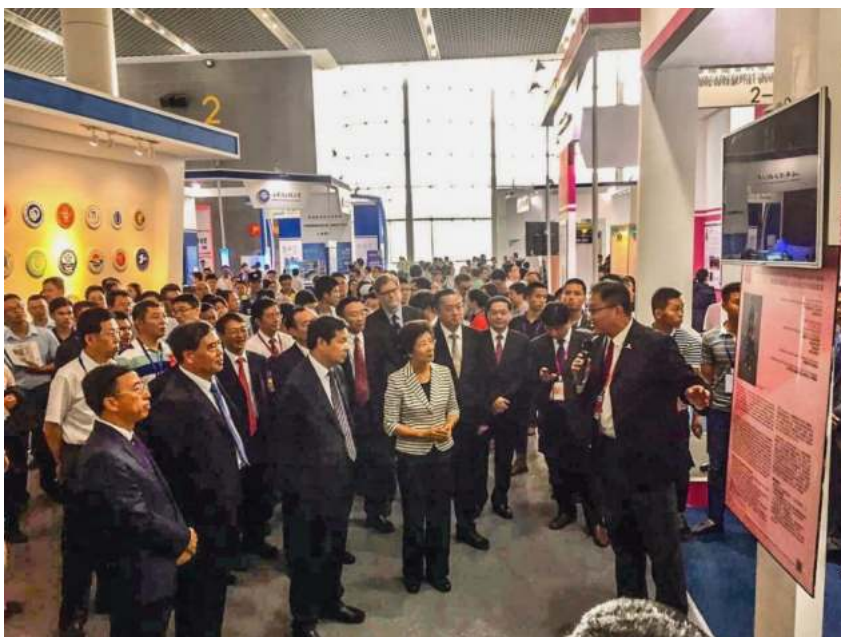
4.5   Strengthening Academic-Industry Collaboration

Establishing a mutually beneficial academic-industry partnership is the key to achieving successful translational biomedical development. We are presently discussing with a leading multi-national pharmaceutical company to participate as a founding academic partner in a novel drug discovery and development platform. This is an alliance comprised of academic centres, pharmaceutical companies, investors, and contract research organisations (CROs). It will leverage the partners' expertise and resources to promote collaboration and support the development of promising academic projects into new medicines.

4.6   Enhancing our Footprint in Pearl River Delta (PRD)

With the support from the Shenzhen Municipal Government, CUHK set up its Shenzhen Research Institute (SZRI) in 2009. The Institute, wholly owned by CUHK, serves as an extension of the University's research initiatives in Shenzhen, providing a base for its staff members to conduct research, development, training, and knowledge transfer in Mainland China. In addition, CUHK has renewed its partnership with the Shenzhen Institutes of Advanced Technology (SIAT) which was established in 2006 by the Chinese Academy of Science jointly with the Shenzhen Municipal Government and CUHK.

We plan to coordinate concerted efforts among ORKTS, SZRI, SIAT, the Office of Academic Links (China) (OALC) and CUHK alumni organisations for effective

Presenting CUHK's innovations to attendees of the First China University Scientific and Technology Achievements Fair in Huizhou, including officials from the Ministry of Education

management of knowledge transfer activities, academic-industry collaboration and technology commercialisation in Shenzhen and the wider PRD / Great Bay Area. For instance, we will engage SZRI to provide immediate local support to CUHK enabled start-ups to assist them in entering the Mainland Chinese market. We are also working proactively with city governments (e.g. Tian He and Foshan) in PRD to facilitate the business ventures of relevant Pi- and TSSSU teams.

4.7   Promoting Research Impacts among Staff at CUHK

To familiarise colleagues with the important link between academic research and impact beyond academia, the University invited two UK experts, Prof Stephen HOLGATE, Chairman of the Medical and Life Sciences Panel of the REF 2014 and Ms Katy McKEN, Panel Advisor for the assessment phase of the REF 2014, to deliver two lectures on the importance of measuring social impact of research in December 2016. Over 100 academic staff attended the lectures. Faculties and schools have also invited UK academics to share their views and experience in building up research impact in their respective disciplines.

Prof HOLGATE (top) and Ms McKEN (bottom left) delivering their lectures

5   Impact on Society

5.1   The First New Drug with Integrative Research for Treating Functional Gastrointestinal Disorders

Irritable Bowel Syndrome (IBS) is a type of functional gastrointestinal disorder whose patients suffer from bowel dysfunction, gastric disorder or intestinal hypersensitivity which can adversely affect their daily life. Approximately 10-20% of the population around the world suffers from IBS, and there are 310,000 patients in Hong Kong alone. However, the treatment currently available such as relieving symptoms and changing lifestyle is less than satisfactory.

Based on the integrative medical research on IBS since 2002 and in-depth knowledge in TCM technology, a research team led by Prof SUNG Jao Yiu Joseph and Prof WU Che Yuen Justin at the Faculty of Medicine has entered a cooperation and licensing agreement with one of Hong Kong's largest TCM manufacturers, together with the Baptist University, to develop a new Chinese medicine for the treatment of functional gastrointestinal disorders. The new drug is the first Hong Kong TCM research project to be granted approval for clinical trial by the China Food & Drug Administration (CFDA) for the treatment of gastrointestinal disorders.

5.2   Nanoparticle Contrast Agent for Early Diagnosis of Alzheimer's Disease by Magnetic Resonance Imaging

Alzheimer's disease (AD) is a progressive neurodegenerative disorder with a long "pre-incubation" period. It is of vital importance to identify patients as early as possible in the disease course in order to initiate treatment before irreversible brain injury takes place. Most of the current methods for early diagnosis of AD have limitations. For example, the clinically approved radioactive positron emission tomography (PET) imaging reagent that binds amyloid plaques has the problems of high cost, limited availability and toxic radioactivity.

After years of research, Prof Albert CHOW and his research team in the School of Pharmacy have addressed this unmet need by developing a new material with well-established safety profiles which simplify toxicological testing for regulatory approval. The manufacturing process for the material is also simpler and less costly. The material also has the advantage of reduced non-specific bio-distribution in organs other than the brain. To bring the invention to the market, the University has recently licensed this technology to a HK-based preclinical assets investment company. It is expected that the technology developed by our research team will provide a safe, sensitive and cost effective method for the early diagnosis of AD.

5.3   Setting the Standard for Network Transmission: the BATS code

In current computer networks (e.g. internet), the flow of information, in the format of defined and discrete data packets, is controlled by networking devices such as routers, wireless base stations and switches. These devices perform traffic directing functions by reading the network address information in the packet to determine the ultimate destination before sending it on to the next network on its journey. The process has been commonly compared to the delivery of parcels by postal vans from a central post office to their final destinations. At present, however, the capacity of a router to simultaneously handle and forward many packets limits the speed of data flow and imposes data loss due to the consequential network congestion.

The research team of Prof Raymond YEUNG (Department of Information Engineering / Co-director of the Institute of Network Coding of CUHK) addressed this problem by questioning the conventional comparison between network flow and parcel delivery. The team realised that, unlike delivery vans that have to give way to one another at a road junction, data packets in computer networks can be merged, since they are not physical entities. This realisation offered exciting possibilities. The team showed that by programming the network so that routers can open, reshuffle and move the information from one data packet to another going to the same destination, it was possible both to increase the speed of data transmission and to reduce the rate of data loss. The flexibility of data packets reassemblage also means that we can "fragment" them and direct each piece to the same destination via multiple paths simultaneously. In this way, even if one path becomes congested or fails outright, the packets arriving via the other paths will probably contain enough information for the recipient to reconstruct the original message. This programming method, termed Network Coding, substantially improves the effectiveness of a network by minimising the probability and severity of network congestion.
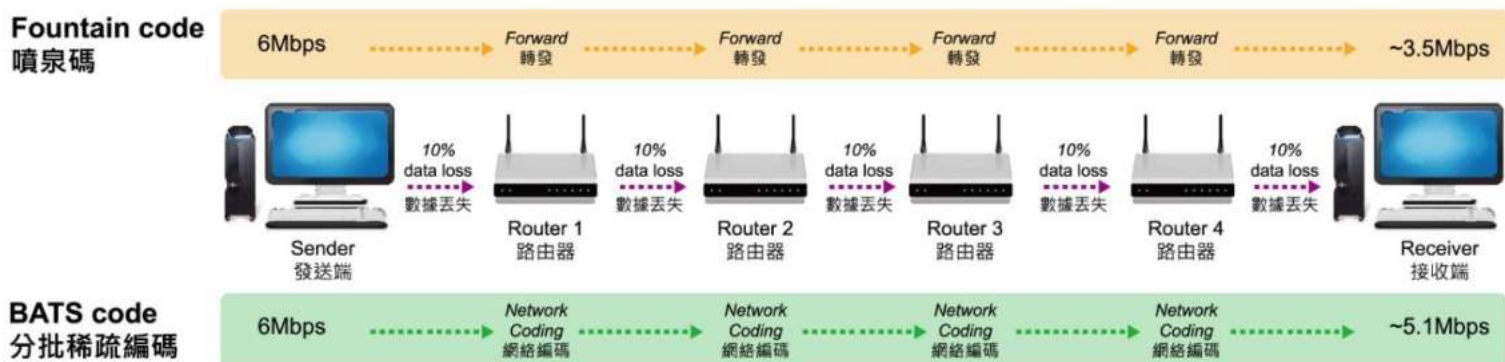
For a multi-hop chain with the same hop loss rate, BATS Code can transmit at a higher end-to-end rate

By exploiting these advantages, Prof YANG Shenghao and Prof YEUNG created a complexity erasure correction code that is now known as BATS code (BATched Sparse code). The code is a good approach for realising networks that require one or more network devices to connect from the source device to the destination device. By using BATS code, a network with two devices and a 20% loss per device can increase its

transmission rate by 56% and reduce its loss rate by 29%. This innovative technology received a matching grant from the UGC in 2010, which provided funding support of more than HK$100 million. More recently, the team received funding of HK$1 million from the Innovation and Technology Fund.

The team is currently working closely with both local and multinational companies in order to commercialise its technology. Patents have been granted in China, and are also being sought in the United States and Europe. The technology is expected to find applications in 5G wireless communications, satellite communications, the Internet of Things and wireless sensor / mesh networks. In a disaster recovery scenario, BATS can also connect multiple wireless communication devices such as mobile phones and wireless sensors to deliver information to destinations hundreds of miles away without the support of a fixed communication infrastructure.

5.4   Automatic Retinal Image Analysis System for Common Chronic Diseases

Retinal image analysis system according to one of the embodiment of the invention (© SCMP Publishers Ltd)

Chronic Diseases including Stroke, Diabetic Retinopathy (DR), Coronary heart disease (CHD), Chronic Kidney Disease (CKD), Age-related Macular Degeneration (AMD), Dementia and Alzheimer's disease (AD) are common both in Hong Kong and elsewhere. In Hong Kong, more than 700,000 individuals suffer from diabetes. These patients are also six to eight times more likely to develop stroke than healthy individuals. More than 1.2 million individuals in Hong Kong suffer from hypertension, more than half of our population aged 40 or above require cardiovascular risk assessment. More than 100,000 individuals in Hong Kong suffer from dementia and AD. Globally, risk assessments for AD are required for more than 700 million individuals each year.

To increase the effectiveness of risk assessments, Prof Benny ZEE, Assistant Dean (Research) of the Faculty of Medicine / Head of Division of Biostatistics of the Hong Kong Jockey Club School of Public Health and Primary Care / Director of the Centre for Clinical Research and Biostatistics, has developed a fully automated platform for the non-invasive assessment of these common chronic diseases. The system involves a cloud-based computing platform that exploits the capabilities of artificial intelligence in order to achieve high accuracy.

By analysing images of retinal vessels, the only directly visible vessels in an individual, an estimate of the health risk and information for early disease management and treatment can be achieved. While retinal imaging has long been used to estimate the risk of DR, it is a complex and labour-intensive process and is also prone to subjective bias. This has hindered its further use and application in estimating other diseases such as stroke. In contrast, the platform developed by Prof ZEE involves the capturing of

retinal images from a fundus camera (a type of camera commonly used in optical stores), and the analysis of the uploaded images in a cloud server database can determine the risk of a target disease in no more than five minutes. Based on existing clinical data of retina vessels, the team applied pattern recognition skills to devise an algorithm which reads pixel by pixel the retinal images and analyses them to derive measurements on different vessel patterns that can indicate the risk of diseases. By enabling early public health intervention, including lifestyle modification, diet and nutrition supplement, proper exercise and medication where necessary, the technology can reduce the likelihood of the development of serious chronic illness. The method is also ready to be implemented in a mobile-health environment using iPhone or smartphone fundus technology.

Currently, the patented technology invented in 2012 has extended its use by Prof ZEE's start-up firm Health View Bioanalytic Limited which was initially supported by TSSSU. The company intends to introduce the technology in up to 20 branches in an optical chain in the coming two months, reducing the time needed to wait for a check-up in hospitals or clinics.
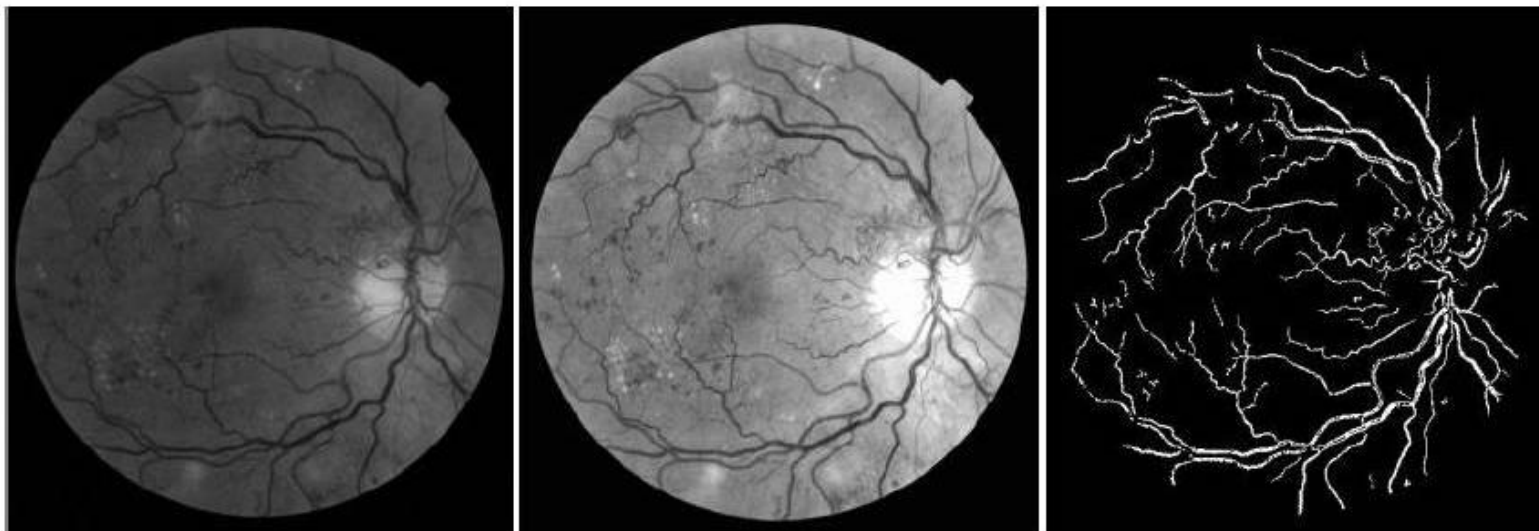
Retinal image after processing: (left) original green channel image; (middle) enhanced / preprocessed image; (right) vessels extracted image

5.5 Robot-based Intervention to Reduce Challenging Behaviours in Children with Autism Spectrum Disorders

Children with Autism Spectrum Disorders (ASDs) tend to develop nonverbal communication skills, especially gestures (spontaneous hand or head movement produced while talking), later than other children. This delayed development hinders learning and social interaction. Previous studies have shown that individuals with ASDs tend to show little interest in other human beings, and are insensitive to their behaviour patterns. Gestures may therefore not necessarily stimulate a response from children with ASDs.

This project is a collaborative venture between three professors from the Faculties of Education, Arts and Engineering. Team leader Prof SO Wing Chee from the Department of Educational Psychology designed an innovative training programme for children with ASDs, aimed at overcoming discrimination against them and helping them to better integrate into society. A robot, NAO, is programmed to teach the children gestures. It looks sufficiently like a human being to encourage the children to transfer their learned skills from human-robot interactions to human-human interactions. At the same time, it lacks certain human attributes such as facial features and expressions, so that it is less likely to overstimulate or distract them.

Since 2014, training has been provided with the support of KPF in three special schools run by Hong Chi Association and in special preschool centres established by SAHK and Christian Service Centre. Having completed the programme, children were reported to produce the gestures for communication spontaneously at school and show a better understanding of gestures. The schools also received valuable feedback from students, parents and teachers after the first year of operation, allowing them to fine-tune and strengthen the training programmes in the future.

Building on the experience gained from this project, Prof SO's team pressed on this year with the aid of the SIE Fund, developing a robot-based drama therapy programme for more children from Early Education and Training Centres and Special Child Care

Centres. The project has also been nominated for the Spirit of Hong Kong Awards 2017 in the Innovating for Good category organised by the South China Morning Post.

5.6   StoryTaler: Fighting Prejudice against Mental Illness through Online and Offline Storytelling

Individuals with mental illness suffer various forms of discrimination from their healthy counterparts, negative and distorted portrayals in the mass media, unfair treatment and reduced opportunities in employment and education, unwelcoming neighbourhoods, and fewer opportunities for social interaction. This prejudice makes it difficult to win public support for helping mental illness sufferers, and also deters sufferers from seeking help from mental health services.

**Workshop at the Symposium on Peer Support Service –
The Power of Collaboration**

"Madworld" Seminar speakers

Prof Winnie MAK from the Department of Psychology and her team formed StoryTaler, co-opting mental illness sufferers into the creation and production of educational and promotional materials, thereby creating important opportunities for social interaction. StoryTaler organises storytelling workshops for the mentally ill, and coaches them to tell stories about themselves that emphasise resilience and human flourishing. They then become part of a "Human Library", and are encouraged to share their personal stories with the general public and converse with their healthy counterparts about mental health issues. This approach has already empowered many young people, and is providing a valuable social service by promoting mental health knowledge and reducing prejudice against the mentally ill.

6   Forging Ahead

Creating a rich and collaborative ecosystem is critical for translating today's innovative research into tomorrow's successful business. With the support of the KT fund from the UGC, we have already made substantial progress towards this goal. To strengthen entrepreneurship education we are launching a new Entrepreneurship and Innovation minor programme in 2017 as planned. To enhance entrepreneurship training, we plan to establish a new Inno-Hub to: a) provide comprehensive start-up services to unleash the creativity of our students and staff, and b) help entrepreneurs to navigate the complex path from company formation to commercial success. We will be exploring new ways to facilitate mutually beneficial partnerships that speed up the development of solutions to meet society's needs. Likely developments include a) developing an academic-industry partnership to facilitate new drug discovery and development via a novel alliance platform; b) exploring potential collaboration with HKSTP to co-develop a Bio-Focus Hub to provide stimulating and dynamic co-creating spaces within CUHK's campus for University entrepreneurs to carry out translational mid-stream development. Last, but not least, we plan to expand our footprint and KT activities in the Pearl River Delta / Great Bay Area by working proactively with SZRI, SIAT, and city governments in Shenzhen and the PRD. We believe these concerted efforts will enhance our midstream research and contribute positively to the successful re-industrialisation of Hong Kong.

We would like to thank our funders and many partners within the University and in our community for their support. Nevertheless, while the UGC KT fund has been instrumental in promoting KT activities at the University, the amount of support from this source has remained largely the same since its introduction in 2009. To achieve the new initiatives described in this report, we must secure additional funding to ensure that the new programmes are implemented in a timely fashion.

Professor Fanny M. CHEUNG,
Pro-Vice-Chancellor
28 July 2017

Updates on Table 4.1 of Initial Statement

(1 July 2016 – 30 June 2017)

	UGC Performance Indicators	*Last year* 2015-16	*Current year* 2016-17
1	Number of patents filed in the year (with breakdown [Annex 4] by country and type)	165	223
2	Number of patents granted in the year (with breakdown [Annex 5] by country and type)	83	132
3	Number of licences granted (with breakdown [Annex 6] by type)	67	90
4	Income (on cash basis) generated from intellectual property rights	$38,650,333 (a)	$68,864,366 (a)
5	Expenditure involved in generating income from intellectual property rights	$3,312,434 (a)	$3,787,986 (a)
6	Number of economically active spin-off companies (with breakdown [Annex 11] by type)	15	13
7	Net income generated (or net loss arising) from spin-off companies	$2,338,012 (a)(b)	$9,968,505 (a)(b)
8	Number of collaborative research projects, and income thereby generated	179 cases $84,728,127 (a)	203 cases $84,809,168 (a)
9	Number of contract research projects (other than those included in "collaborative research projects" above), and income thereby generated	80 cases $24,876,945 (a)	53 cases $29,560,712 (a)
10	Number of consultancies, and income thereby generated	344 cases $139,838,022 (a)	316 cases $118,452,611 (a)
	Subtotal Income **Item (4)+(7)+(8)+(9)+(10)**	**$290,431,439**	**$311,655,362**
11	Number of equipment and facilities service agreements, and income thereby generated	1 (No. of facilities) $36,370	1 (No. of facilities) $22,810
12	Income received from Continuing Professional Development (CPD) courses	$44,374,023 (c)	$40,577,473 (c)
	Total Income **Item (4)+(7)+(8)+(9)+(10)+(11)+(12)**	**$334,841,832**	**$352,255,645**

13	Number of student contact hours in short courses or e-learning programmes specially tailored to meet business or CPD needs	317,619 hours (604 courses with 22,269 students)	428,768 hours (559 courses with 24,363 students)
14	Number of public lectures / symposiums / exhibitions and speeches to a community audience	950	1,227
15	Number of performances and exhibitions of creative works by staff or students	137	160
16	Number of staff engaged as members of external advisory bodies including professional, industry, government, statutory or non-statutory bodies	510	420

Footnotes

(a)   Subject to year-end adjustments.
(b)   Only wholly-owned subsidiaries or controlling companies are included.
(c)   Including income from non-award bearing programmes offered by the School of Continuing and Professional Studies and the Asia-Pacific Institute of Business.

Updates on Table 4.2 of Initial Statement

(1 July 2016 – 30 June 2017)

		Last year	*Current year*
Other Performance Indicators		2015-16	2016-17
1	Knowledge Transfer Project Fund (KPF): Projects supported by the UGC KT Fund	2015-16: 18 Total: 147 Beneficiaries: 109,007 for 2015-16	2016-17: 10 Total: 157 Beneficiaries: 247,461 for 2016-17
2	Technology and Business Development Fund (TBF)	5	3
3	Number of other KT projects and activities not funded by the UGC KT Fund	332 Beneficiaries: 55,462	469 Beneficiaries: 43,447
4	Number of websites on KT activities at Faculties / Departments / Centres	35	16
5	Number of publicity or media features related to KT, including print, online and electronic media	1,968	2,615

Knowledge Transfer Project Fund (KPF)
Project List

	Project completed *(details in Annex 8.2)*	
1	KPF14ICF03	The Production of an Assessment Tool to Evaluate the Spoken Word Recognition for Hearing-impaired Population
2	KPF15ICF02	Promoting Nonverbal Communication Skills among Children with Autism Spectrum Disorders through Online Social Robotics
3	KPF15ICF04	Prevention of Vit-D Insufficiency and Promotion of Good Bone Health for the Young Population in Hong Kong
4	KPF15ICF07	An Evidence-Based Neuropsychological Intervention for Mildly Cognitive / Emotionally Deteriorating Elderly in Hong Kong
5	KPF15ICF08	An Integrated Community-based Screening and Secondary Prevention Program to Promote Physical Activity among Physically Inactive Individuals Possessing Risk Factors of Diabetes Mellitus (DM) or Being Pre-diabetes (IGT/IFG)
6	KPF15ICF12	A Model of Knowledge Translation: the Active Healthy Kids Report Card on Physical Activity for Hong Kong Youth
7	KPF15ICF15	Building Vibrant Entrepreneurial Financing System for CUHK
8	KPF15INF01	The Hong Kong Sign Language Basic Sex Education Website
9	KPF15INF02	Multiculturalism in Action: Promoting Pakistani Culture as Local Heritage
10	KPF15INF03	Capturing Syllables: Intelligent Mobile App on Pinyin and Jyutping Dictation Trainings for Students and the Hong Kong Community
11	KPF15INF04	Music and the Shaping of Cultural Space: Chaozhou Music in Hong Kong
12	KPF15INF06	Moving against Old Age! Moving against Osteoarthritis!「動起來! 無懼膝痛!」
13	KPF15INF09	Development of Multimedia Interventions to Promote Cervical Cancer Prevention among South Asian Women in Hong Kong
14	KPF15INF16	Experience-based Service Design with the Welfare Service Users
15	KPF16ICF04	Investigation of Genetically Modified Papayas in Hong Kong: a Project-based Learning Program for Secondary School Students
16	KPF16ICF20	Establishment of Fracture Liaison Services to Prevent Secondary Fractures and Enhance Post-fracture Rehabilitation in Community
17	KPF16ICF21	Knowledge Transfer to Engage Secondary School Students for Healthy Living of Elders in Our Community
18	KPF16INF01	Multiculturalism in Action: Promoting South Asian Culture as Local Heritage
19	KPF16INF09	Capacity Building for NGO Elderly Service Workers in Cognitive Screening using the Hong Kong Version of the Montreal Cognitive Assessment (HK-MoCA) for Early Identification of Community Elders Harboring Cognitive Impairment

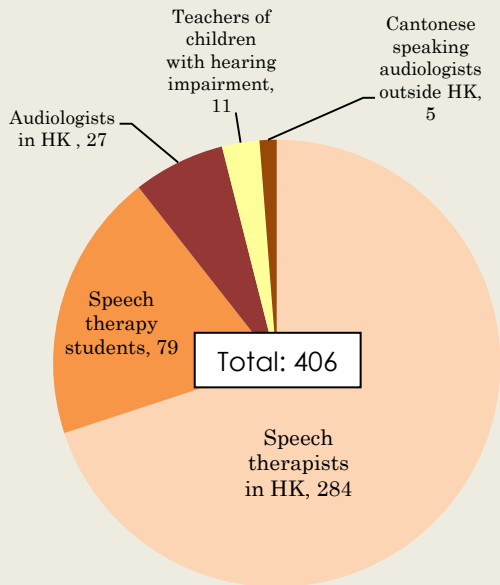|		**Project in progress** *(details in Annex 8.3)*
1	KPF15ICF05	Prevention of Stroke and Enhancement of Life with Aphasia
2	KPF15ICF16	Promotion of Healthy Lifestyle among Middle-aged Chinese Population in Hong Kong: an Integrated Approach using Body Fat Measurement, Brief Counselling, and Mobile Apps
3	KPF15ICF17	Living with Heart: Online and Community-based Mindfulness and Compassion Programs for the Promotion of Public Mental Health in Hong Kong
4	KPF16ICF01	Developing and Sustaining the "Support Program for Secondary School Student Athletes – Fostering Different Levels of Academic and Athletic Development"
5	KPF16ICF03	Promoting Physical and Health Literacy in Hong Kong Pre-school Teachers, Children and their Families
6	KPF16ICF05	Robot-based Intervention to Reduce Challenging Behaviours in Children with Autism Spectrum Disorders
7	KPF16ICF06	"Getting Our Kids Active" – Promoting Motor Skills Proficiency of Hong Kong Children with Developmental Coordination Disorder
8	KPF16ICF07	StoryTaler: Fighting against Mental Illness Stigma through Story-telling Online and Offline
9	KPF16ICF09	Promoting Integrative Chinese-Western Medicine Care Models through the Development of an Evidence-based Electronic Resource and Training Program
10	KPF16ICF10	An Evidence-based Knowledge Transfer Program Promoting HIV Self-testing with Real-time Online Counselling for Men who have Sex with Men in Hong Kong
11	KPF16ICF11	Development and Implementation of a Positive Psychology Intervention to Improve Mental Health among Secondary School Students and Teachers in Hong Kong
12	KPF16ICF13	Knowledge Transfer to Increase Access of Cervical Cancer Screening among the Difficult-to-reach Group in Hong Kong: Community-based Training on Screening by Self-sampling
13	KPF16ICF14	Mindfulness for Children with Attention Deficit Hyperactivity Disorder (ADHD) and Their Parents: An Education and Practice Programme in the Community
14	KPF16INF07	Elder Law in Hong Kong: Advancing the Rights of Older Persons
15	KPF16INF10	Planning Ahead: Preparing People with Chronic Progressive Diseases and Their Carers to Plan for End of Life Care
16	KPF16INF11	"Time to Get Help! Say No to Faecal Incontinence!"「起來吧！請對大便失禁說不！」
17	KPF17ICF01 (funded by SIE)	A Real-time Chinese Sentence Learning Platform for Ethnic Minority Students

18	KPF17ICF03	Public Education on Sarcopenia Awareness and Fracture Prevention by Online Video Content. An Extension of the Fall Prevention Campaign
19	KPF17ICF04	Sustainable Mushroom Urban Farming with Social and Educational Perspectives
20	KPF17ICF06 (funded by SIE)	Development of Chronic Disease Self-management Program to Community-dwelling People with Mild Neurocognitive Disorder
21	KPF17ICF07 (funded by SIE)	Robot Drama Therapy for Promoting Social Competence of Children with Autism Spectrum Disorders
22	KPF17ICF10	Pursuing Meaningful Goals as Intervention to Reduce Loneliness among Hong Kong Elders
23	KPF17ICF11	UNEMIA- Business for Social Cohesion and Understanding
24	KPF17ICF17	lnterculturalism and Motherhood: Agents of Change in Multicultural Hong Kong
25	KPF17ICF18 (funded by SIE)	Hong Kong Sign Language Fundamental Medical Knowledge Databank
26	KPF17ICF19	Social Integration with the 5%: Social Empowerment of Migrant Workers and Intercultural Communication between Migrant Workers and Secondary Students
27	KPF17ICF22	The CUHK Eye SMART (Screening of Macular and Retinal Diseases for Knowledge Transfer) Campaign
28	KPF17ICF25	Development of a Culturally Sensitive Website to Promote Healthy Lifestyles and the Prevention of Chronic Illness among South Asians in Hong Kong
29	KPF17ICF28	What does Sexual Orientation and Gender Identity Equality Mean for Policy Makers, Service Providers and Legal and Business Communities? Using Diverse Ways to Disseminate Research Findings to Stakeholders and Creating an Interactive Database and a Knowledge Hub on LGBT Issues in Hong Kong
30	KPF17ICF30	Supporting Family Carers of People Living with Dementia with an Interactive Mobile Application

Knowledge Transfer Project Fund (KPF)
Projects completed

KPF14ICF03 - The Production of an Assessment Tool to Evaluate the Spoken Word Recognition for Hearing-impaired Population

Coordinating Leader: Prof LEE Yuet Sheung, Kathy (The Institute of Human Communicative Research)

Pie chart:
- Audiologists in HK, 27
- Teachers of children with hearing impairment, 11
- Cantonese speaking audiologists outside HK, 5
- Speech therapy students, 79
- Speech therapists in HK, 284
- Total: 406

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

8 audiologists in HK; **2** international manufacturers of hearing device

ASSESSMENT TOOL

Packaged the assessment tool, the Cantonese Word Recognition Test (CanSWORT) as a test kit and published

SEMINAR

A dissemination seminar with **406** participants, oversubscription of **>100** participants

PROFESSIONALS INVOLVED

393 professionals collected their copy of CanSWORT for education and research purposes

JOURNAL PAPER

Published **1** paper in the *American Journal of Audiology*

PRESENTATIONS

Made **3** oral presentations in conferences and seminars

FEEDBACK

>99% of respondents agreed CanSWORT is a relevant and appropriate test material to assess speech recognition

OPPORTUNITIES

Received enquiries regarding future research collaboration opportunities and commercialisation

KPF15ICF02 - Promoting Nonverbal Communication Skills among Children with Autism Spectrum Disorders through Online Social Robotics

Coordinating Leader: Prof SO Wing Chee, Catherine (Department of Educational Psychology)

6-12 year-old children with Low Functioning Autism

Total: 101
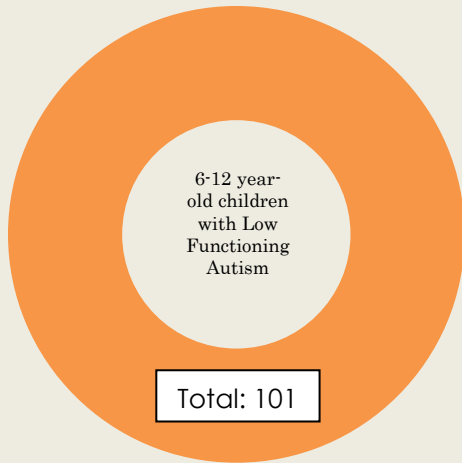
BENEFICIARY

PERFORMANCE INDICATORS

PARTNERS

Hong Chi Morninghill School, Tsui Lam and Tuen Mun branch; Hong Chi Lions Morninghill School

PROGRAMME

101 children participated in online gestural intervention programme
(3 phases for 9 months)

PRESENTATION

Gave an oral presentation in the 7th Conference of the International Society for Gesture Studies in Paris

JOURNAL PAPERS

Published **2** papers in *Journal of Computer Assisted Learning* and *Frontiers in Education*

MEDIA COVERAGE

1 press debriefing attracting **>20** media organisations with wide media coverage
(18 newspapers and 2 TV channels)

WEBSITE

Developed a website for training of gestural recognition and production

WORKSHOPS

Organised **3** workshops for **28** teachers and **8** parents volunteering in the programme
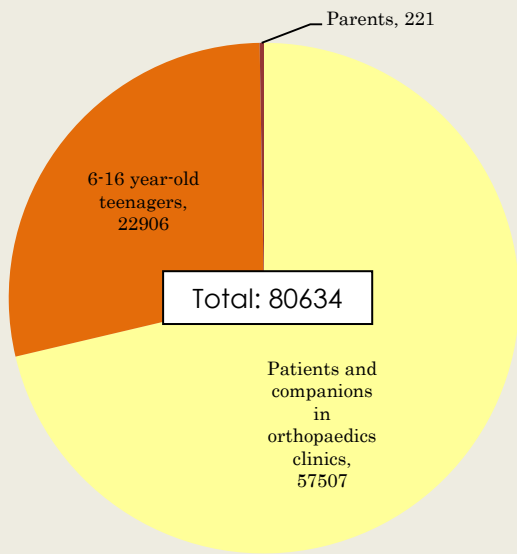
SEMINARS

Held **3** seminars for parents to show them the findings

KPF15ICF04 – Prevention of Vit-D Insufficiency and Promotion of Good Bone Health for the Young Population in Hong Kong

Coordinating Leader: Prof LAM Tsz Ping (Department of Orthopaedics & Traumatology)

Parents, 221

6-16 year-old teenagers, 22906

Total: 80634

Patients and companions in orthopaedics clinics, 57507

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS
Hippo Turing Technologies Company Ltd

TALKS
Delivered education talks to **74** schools and **1** NGO with **22906** students and **221** guardians attending

VIDEO
Video display at the Specialist Clinics of Prince of Wales Hospital reached **57507** patients

WEBSITE
The web-based Bone Health Education Platform attracted **6722** visits (http://bonehealth.ort.cuhk.edu.hk)

APP
The Bone Health Education App recorded **584** downloads with average satisfaction rate **3.57 out of 5**

FEEDBACK
7388 students submitted the feedback survey
Average satisfaction rate with the talk was **3.83 out of 5**

FUNFAIR
Set up a booth in "Healthy Lifestyle festival" funfair to promote bone health through mini games, joined by **~200** children and their parents
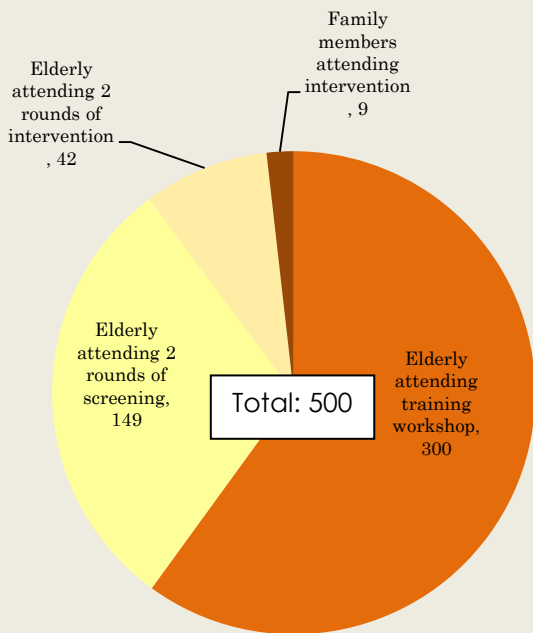
SUSTAINABILITY
The self-sustainable e-platform and mobile application to remain available for the public

Coordinating Leader: Prof CHAN Sui Yin, Agnes (Department of Psychology)

BENEFICIARIES

Family members attending intervention, 9

Elderly attending 2 rounds of intervention, 42

Elderly attending 2 rounds of screening, 149

Total: 500

Elderly attending training workshop, 300

PERFORMANCE INDICATORS

WORKSHOP

Held a 1-day DMBI workshop (老友記禪武醫工作坊) for **300** community-dwelling elderly

70% of the elderly indicated their willingness to receive further information related to DMBI in the future

INTERVENTION

Conducted **2** rounds of group-based *Dejian* mind-body intervention (DMBI) programme, **200** elderly joined the screenings and **42** participated in the intervention

The elderly learnt how to develop positive thinking, modify their eating habit and practice mind-body exercise to enhance their psychological and physical health

FEEDBACK

64% of elderly reported mild to large degree of improvement in overall physical and psychological health
55% reported mild to moderate degree of improvement in their emotion, quality of sleep and motor flexibility
36% reported mild to large degree of improvement in memory performance, respiratory and digestive functions

TREATMENT PROTOCOL

A protocol on how to apply the DMBI with simple step-by-step instructions to be produced for the hospitals, allied-health organisations and general public

SUSTAINABILITY

Group-based intervention programme to be carried out after the funding period
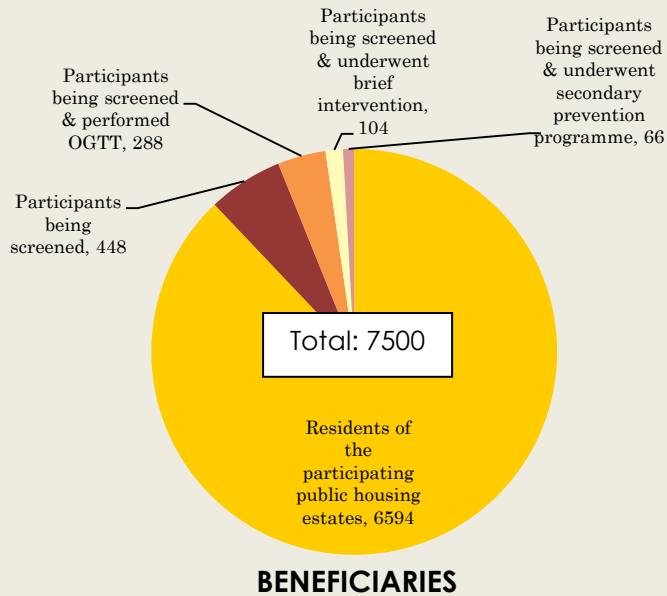
PUBLICITY

Posted an advertisement of the one-day workshop on the *Hong Kong Economic Times*

KPF15ICF08 – An Integrated Community-based Screening and Secondary Prevention Program to Promote Physical Activity among Physically Inactive Individuals Possessing Risk Factors of Diabetes Mellitus (DM) or Being Pre-diabetes (IGT/IFG)

Coordinating Leader: Prof LAU Tai Fai, Joseph (The Jockey Club School of Public Health & Primary Care)

Participants being screened & performed OGTT, 288
Participants being screened & underwent brief intervention, 104
Participants being screened & underwent secondary prevention programme, 66
Participants being screened, 448

Total: 7500

Residents of the participating public housing estates, 6594

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

Sha Tin District Council;
9 public housing estates in Sha Tin;
Yao Chung Kit Diabetes Assessment Centre;
7 coaches;
8 CUHK students and staff;
2 volunteers;
1 clinical psychologist

INTERVENTION

Set up booths and screened **906** physical inactive middle-aged individuals from **9** housing estates
For those who are at risk of developing diabetes, **288** individuals perfomed the discounted "Oral Glucose Tolerance Test" (OGTT) and **104** individuals underwent brief intervention

PROGRAMME

66 high-risk individuals joined the **6-month** secondary prevention programme which consists of **3** seminars

Improved participants' self-efficacy in performing physical activities

PUBLICITY

Displayed posters and disseminated leaflets in the participating housing estates to advocate the importance of early detection of DM and promote the programme

PUBLICATION

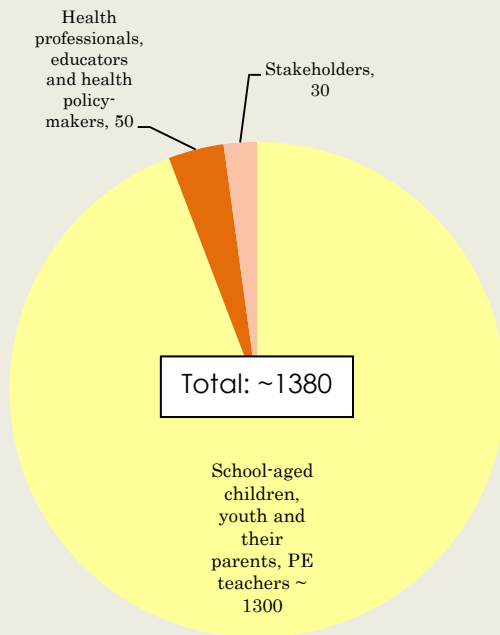Produced a logbook for participants to record their daily physical activities

FEEDBACK

Self-reported improvement in health was obtained from **81.8%** of the participants using the evaluation survey
98.2% expressed satisfaction with the programme

KPF15ICF12 – A Model of Knowledge Translation: the Active Healthy Kids Report Card on Physical Activity for Hong Kong Youth

Coordinating Leader: Prof WONG Heung Sang, Stephen (Department of Sports Science & Physical Education)

Health professionals, educators and health policy-makers, 50

Stakeholders, 30

Total: ~1380

School-aged children, youth and their parents, PE teachers ~ 1300

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

Hong Kong Physical Fitness Association; Hong Kong Association of Sports Medicine and Sports Science; NGOs, e.g. Hong Kong Playground Association

REPORT CARD

Developed the first Active Healthy Kids Report Card on Physical Activity for Hong Kong Children and Youth
Made evaluations and global comparison for 9 indicators relevant to physical activity of children and adolescents

PRESENTATIONS

Gave **1** keynote presentation to **300** PE teachers and principals at the Summer School for PE teachers, **1** at the BeHealth 2 Conference

MEDIA COVERAGE

Held **1** press conference with **>30** TV and news coverage

JOURNAL PAPERS

Published results of Hong Kong Report Card, together with 37 other countries and regions in *Journal of Physical activity and Health*

GLOBAL SYNERGY

Active Healthy Kids Global Alliance (AHKGA) released a *Global Matrix 2.0* of 38 countries' Report Cards (including Hong Kong) at 6th International Congress of Physical Activity and Public Health

WEBSITE

Launched the official website of Hong Kong Report Card (http://activehealthykidshongkong.com.hk)
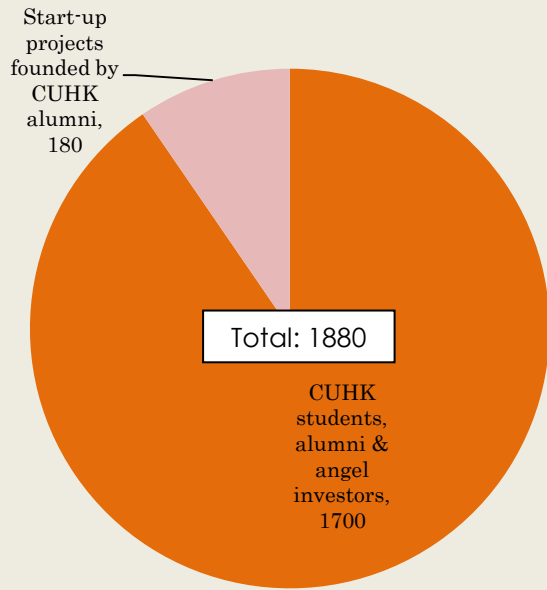
SUSTAINABILITY

Hong Kong Report Card to be developed **every 2-3 years** to provide a surveillance system for physical activity in Hong Kong youth

KPF15ICF15 – Building Vibrant Entrepreneurial Financing System for CUHK
Coordinating Leader: Prof AU Yuk Fai, Kevin (Centre for Entrepreneurship)

Pie chart:
- Total: 1880
- Start-up projects founded by CUHK alumni, 180
- CUHK students, alumni & angel investors, 1700

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS
2 entrepreneurship programmes in CUHK;
2 CUHK alumni associations;
2 semi-government organisations;
1 co-working space;
2 potential side-car fund partners

ENTREPRENEUR DAY
Co-organised with Alumni Torch Fund & HKTDC, the CUHK Entrepreneur Day featured an opening ceremony, an exhibition and a series of seminars

NETWORKING PLATFORM
Assisted in the establishment of CUHK Alumni Entrepreneurs Association (CUAEA) and the inauguration

TALKS
3 sharing talks about entrepreneurship for the Healthcare & Social Entrepreneurship sector

RECOMMENDATION
Recommended **20** CUHK projects for pitching on stage & showcasing talks, exhibitions and investor meeting

WORKSHOPS/EVENTS
Held **9** trainings workshops / networking events / pitching events to facilitate investment and mingle investors & start-ups

SUSTAINABILITY
CUHK Angel Network and Side-Car Fund to be set up to invest in a large volume of early stage companies over the next **5** years

MEDIA COVERAGE
17 newspaper and **5** online media coverage

KPF15INF01 – The Hong Kong Sign Language Basic Sex Education Website

Project Leader: Prof SZE Yim Bihn, Felix (Department of Linguistics & Modern Languages)

Seminar attendees, 120

Total: 1120

Website viewers, 1000
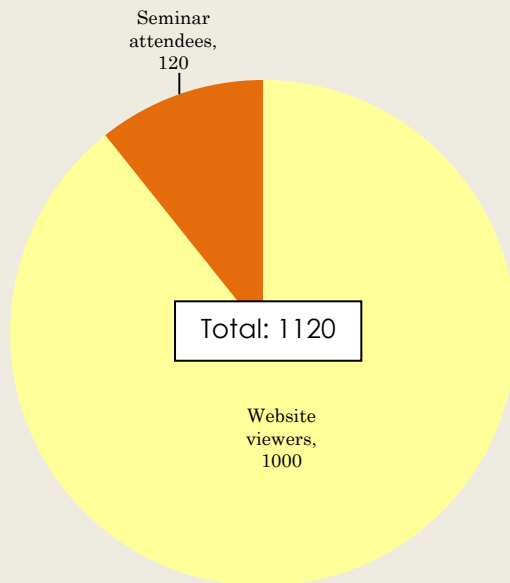
BENEFICIARIES

PERFORMANCE INDICATORS

COLLABORATION

Macau Deaf Association;
Notre Dame College;
CODA Hong Kong;
Silence (Deaf Association);
Hong Kong Society of the Deaf;
Kowloon Bay St. John The
Baptist Catholic Primary
School

WEBSITE

Produced a website with the
incorporation of videos of sign
language, reaching a hit rate
of **~1000**
(www.cslds.org/sex_edu)

PROMOTION

Visits to several deaf related
institutions / groups in Hong
Kong and Macau for
promoting the website

SEMINARS

~120 participants attended the
seminars

SUSTAINABILITY

More video clips to be posted
on the website with Hong
Kong deaf adults sharing their
experience regarding sex
education

PUBLICITY

Designed and printed banners
and leaflets to facilitate
promotion

KPF15INF02 – Multiculturalism in Action: Promoting Pakistani Culture as Local Heritage

Project Leader: Prof TAM Siu Mi, Maria (Department of Anthropology)

Secondary school teachers, 12

Total: 275

Secondary school students, 263

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

10 individuals;
24 groups / organisations

CULTURAL WORKSHOP

Organised a series of Pakistani Culture Workshop with **7** seminars for the Cultural Trainers

FIELDTRIP

Made fieldtrips to the Equal Opportunities Commission, Pakistan Club and other NGOs

PRESENTATIONS

Cultural Trainers gave interactive multimedia presentations to **3** secondary schools with **12** teachers and **263** students attended

PUBLICATION

Published **500** copies of information kit "Multiculturalism in Action Project: Pakistani Footprints in Hong Kong" and disseminated to secondary schools, district councils and NGOs

CULTURAL EXCHANGE

The Cultural Trainers interviewed Pakistanis and became buddies, jointly designing and executing the "Multiculturalism in Action Project: Pakistani Footprints in Hong Kong"

WEBSITE

Created a new section in the project website for promoting Pakistani culture (http://www.arts.cuhk.edu.hk/~ant/knowledge-transfer/multiculturalism-in-action/pakistani-culture-workshop.html)

FEEDBACK

Received **263** questionnaires from the students

92.7% claimed that they knew more about Pakistani culture

>70% said they have developed interest in Pakistani culture

KPF15INF03 – Capturing Syllables: Intelligent Mobile App on Pinyin and Jyutping Dictation Trainings for Students and the Hong Kong Community

Project Leader: Prof ZHANG Yanhui, Gloria (Department of Linguistics & Modern Languages)

Foreigners in Hong Kong, 500
Interested adults in the community, 5000
Total: 15500
School-age children, 10000
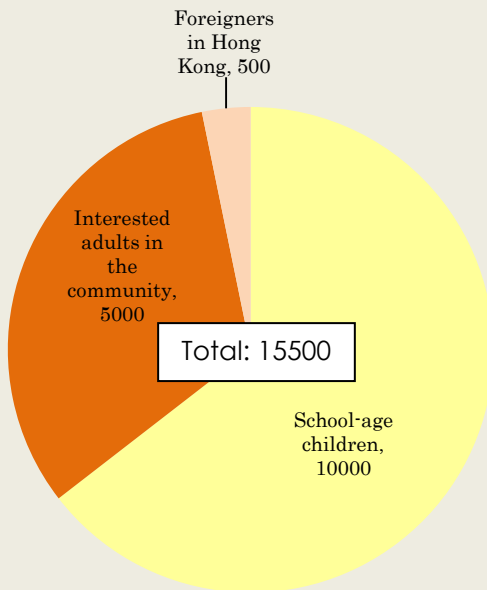
BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

The Chinese Language Centre;
The Childhood Bilingualism Research Centre;
Joint Research Centre for Language and Human Complexity and Carnegie Mellon University, USA

WEBSITE/APP

Developed **2** websites / apps on Pinyin Dictation Tutor and Jyutping Dictation Tutor
Pinyin Tutor has **>1200** active users

FEEDBACK

Among **73** survey respondents, **87%** users were satisfied with the tutors and believed their listening skills have improved

WORKSHOP

Held **4** workshops for **123** teachers and students to promote the Pinyin / Jyutping Tutors

PROMOTION

Distributed **>5000** promotional leaflets to **1** Primary School, **1** Secondary School and **1** NGO

RECOMMENDATION

The Pinyin Tutor was listed by the book 《國際漢語教學網路資源與技術》(張延成, 2015) as one of the best Pinyin learning tools

KPF15INF04 – Music and the Shaping of Cultural Space: Chaozhou Music in Hong Kong

Project Leader: Prof LEE Tong Soon (Department of Music)

Musicians, art practitioners, organisers and audience, 8

Total: 168

Teaching staff, students and researchers, 160

BENEFICIARIES
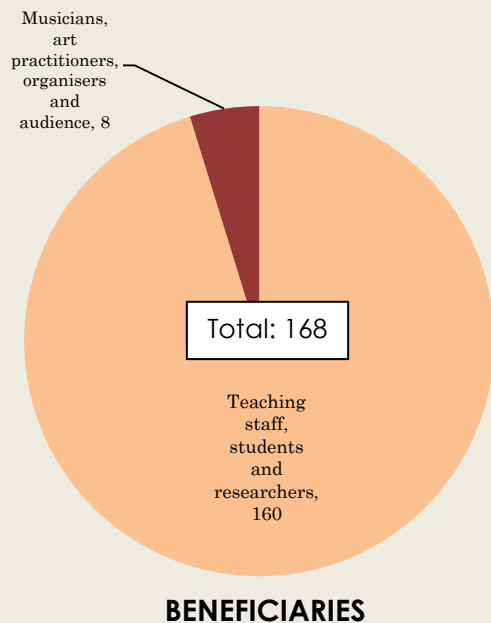
PERFORMANCE INDICATORS

PARTNERS

Hong Kong Chiu Chow Merchants Mutual Assistance Society (香港潮商互助社音樂組）; 香港潮劇團

FIELDWORK

Conducted fieldwork with 香港潮商互助社音樂組 during their weekly music gatherings

INTERVIEWS

Interviews with the performance groups to collect background information of the Chaozhou music's history operation, culture and aesthetics

LECTURES

Held **1** lecture titled "Chaozhou Music: The Shaping of Cultural Spaces" to share insights on Chaozhou Music in Hong Kong

DEMONSTRATION

Held **1** lecture-demonstration on Chaozhou music in Yulan Festival with **80** participants attending

SEMINAR

Held **1** seminar for **12** participants attending to illustrate the different modes of Chaozhou music with Yehu

KPF15INF06 – Moving against Old Age! Moving against Osteoarthritis! 「動起來! 無懼膝痛!」

Project Leader: Prof HO Ki Wai, Kevin (Department of Orthopaedics & Traumatology)

Patients diagnosed with symptomatic osteoarthritis

Total: 112
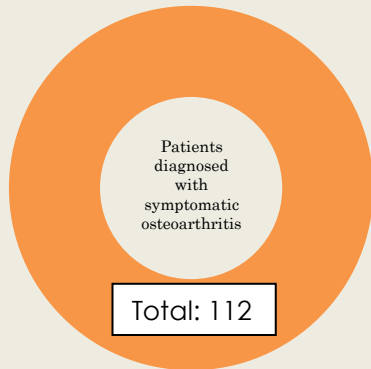
BENEFICIARY

PERFORMANCE INDICATORS

PROGRAMME

Conducted a 4-session multidisciplinary programme attended by **112** patients with knee pain

Conducted Tai Chi class with knee muscle strengthening 8 step Tai Chi tailor-made for patients

EVALUATION

An increase in the participants' physical activity (MET-min per week) according to the validated International Physical Activity Questionnaire-short form (IPAQ-SF)

Recorded reduction in symptoms of osteoarthritis and physical functional disability and improvement in self-perceived quality of life

FEEDBACK

Based on the questionnaires, significant improvement in functionality, role emotional and mental health among enrolled patients were recorded **6 months** after the completion of the programme

KPF15INF09 – Development of Multimedia Interventions to Promote Cervical Cancer Prevention among South Asian Women in Hong Kong

Project Leader: Prof SO Kwok Wei, Winnie (The Nethersole School of Nursing)

Other ethnic minorities, 874
Indians, 1356
Total: 3219
Pakistanis, 370
Nepalis, 619
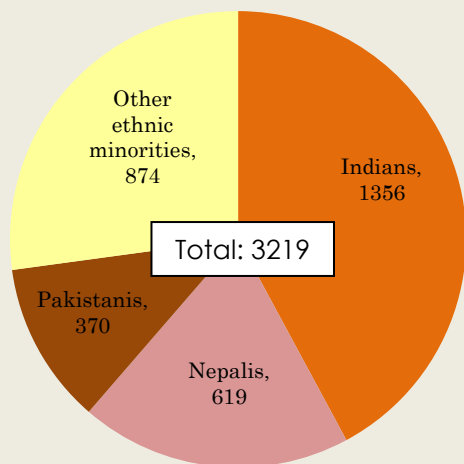
BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS
30 NGOs;
2 Indian organisations;
10 Pakistani organisations;
11 Nepali organisations;
1 school

TALKS
Held **51** health talks at partner organisations with **1061** South Asian women attending

ADVISORY PANEL
Invited **7** leaders or representative of ethnic minority communities to join the project's advisory panel

BOOKLET
Published a health information booklet in **4** different languages and reached **3219** South Asian women

EMPOWERMENT
Job creation for ethnic minorities:
1 part-time Punjabi translator and **1** Urdu translator for translating the booklets;
1 Pakistani actor, **1** Pakistani actress and **2** Nepalese actresses for video production;
3 part-time Pakistani interpreters, **3** Nepalese and **1** Indian interpreter to help in the intervention

OPPORTUNITIES
Received **191** enquiries from association members concerning information on cervical cancer and its prevention, interpreter services and access to cervical screening services

PROMOTION
54 partner organisations helped promoting the intervention using primarily personal contacts, social media, community centre newsletter and leaflets / posters distribution

FEEDBACK
Collected **953** questionnaires from participants

95.5% of them agreed the intervention enhanced their knowledge of cervical cancer

96.5% of them satisfied with the intervention

EXHIBITION BOOTH
Set up exhibition booths at events held by ethnic minority associations

VIDEO
Produced a video to promote cervical cancer prevention

INTERVIEWS
Conducted focus group or telephone interviews to partner organisations and **>80%** agreed to continue their support in the future
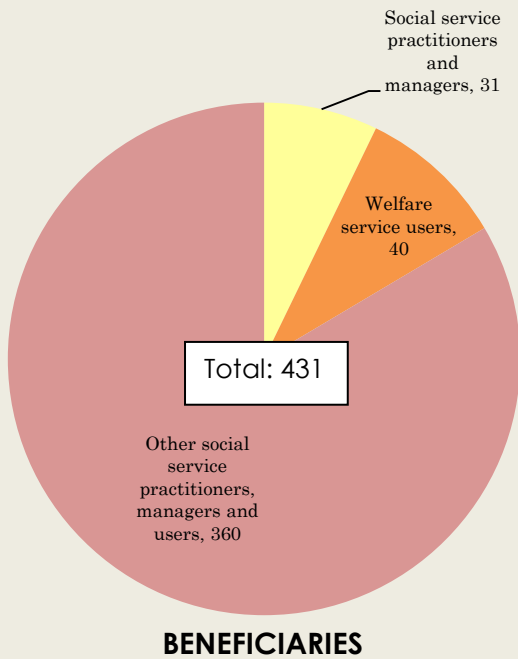
MEDIA COVERAGE
Conducted a weekly radio programme broadcasted by *RTHK*

Project Leader: Prof LEUNG Tse Fong, Terry (Department of Social Work)

Social service practitioners and managers, 31

Welfare service users, 40

Total: 431

Other social service practitioners, managers and users, 360

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

6 working groups in **6** service units of Caritas Services for the Elderly

WORKSHOP

Conducted **2** induction workshops on the use of Experience Based Service Co-design (EBCD) for **71** participants

90% of the participants agreed that the workshops enhanced their understanding of EBCD

WORKING GROUPS

71 service practitioners and users formed **6** working groups, **19** of them were facilitators and core members who collected narratives of service and incorporated touchpoints in short-videos for discussion

> 73% of them were able to master the various technical procedures in the implementation process

CONSULTATION SESSION

Problems and difficulties encountered by the facilitators and core members were discussed in consultation meeting

All core members were satisfied with the consultation arrangement

EXPERIENCE SHARING MEETING

Held an experience sharing meeting for **24** working team members to consolidate their experiences in using EBCD for service improvement

SEMINAR

Held a dissemination seminar with **5** guest speakers sharing their experience in implementing EBCD and **277** participants attended

94.2% of the respondents agreed that they were interested in EBCD model

OPERATION MANUAL

Sent the e-version of the EBCD operation manual to **>220** social service organisations

PROMOTION

Delivered **260** handy cards containing the link and QR code of EBCD operation manual to participants of the seminar and training event

KPF16ICF04 – Investigation of Genetically Modified Papayas in Hong Kong: a Project-based Learning Program for Secondary School Students

Coordinating Leader: Prof SHAW Pang Chui (School of Life Sciences)

Pie chart:
- Secondary school teachers, 4
- Participants from related organisations, 4
- Secondary school students, 84
- Total: 92
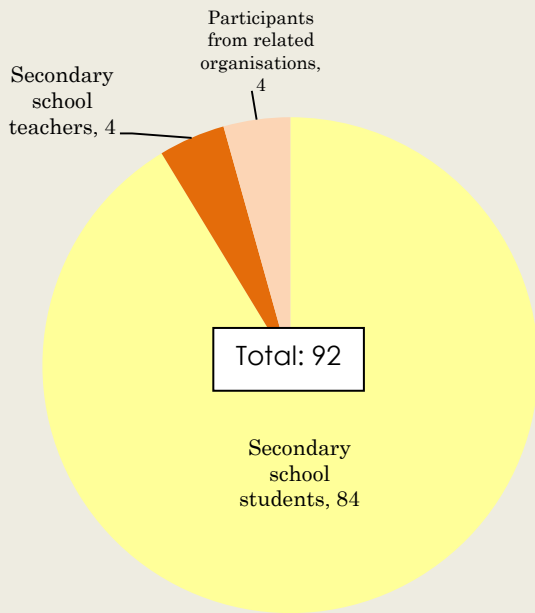
BENEFICIARIES

PERFORMANCE INDICATORS

PARTNER

Produce Green Foundation

WORKSHOP

Conducted **3** workshops with lecture in which **84** student participants examined the papaya samples with the genetically modified (GM) detection kit and worked on a DNA extraction experiment

FEEDBACK

Student participants were satisfied with the workshop, especially the lab session for GM papaya investigation and the use of LOAD device **96%** agreed that they acquired the basic knowledge of DNA **93%** satisfied with the arrangement of the workshop

DETECTION KIT

Designed two sets of LAMP primers and loop-primer; manufactured lab-on-a-disc (LOAD) device and microfluidic disc; and used a LAMP-based method for GM papaya detection kit

HARDWARE SHARING

Shared the hardware (LOAD) and bio-sensing assays with organisations interested in GM food detection (including Kadoorie Farm and Botanic Garden, Sustainable Ecological Ethnical Development Foundation and The Federation of Vegetable marketing Co-Operative Societies Ltd)

AWARD

Submitted the LOAD device along with the heater for rapid identification of GM papaya to Challenge Cup 2017 and received a 3rd place grand award

KPF16ICF20 – Establishment of Fracture Liaison Services to Prevent Secondary Fractures and Enhance Post-Fracture Rehabilitation in Community

Coordinating Leader: Prof CHEUNG Wing Hoi (Department of Orthopaedics & Traumatology)

Pie chart:
- Patients' caregivers / family members, 159
- Fragility fracture patients, 576
- Total: 735
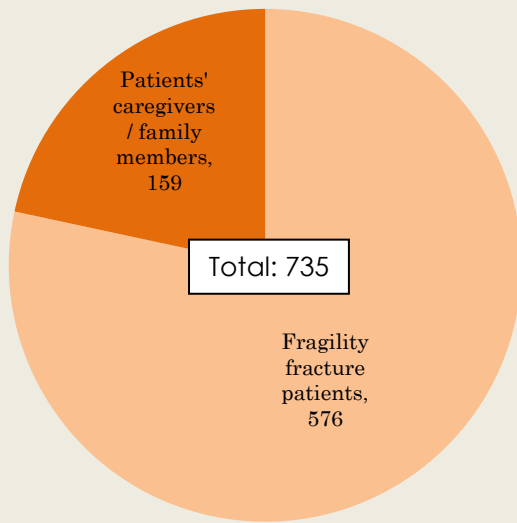
BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS
The Evangelical Lutheran Church of HK

TALKS
Held **12** educational talks with exercise training for **220** patients and caregivers

ASSESSMENT
Recruited **576** patients for screening

106 fragility fracture patients received assessment and **1-year** follow up

FEEDBACK
All participants satisfied with the talks in the evaluation questionnaires
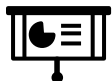
PRESENTATION
Gave **1** presentation at the International Collaboration of Orthopaedic Nursing Conference 2016 cum the 9th Biennial Orthopaedic Nursing Conference

WEBSITE
Created **1** new section under the project website (http://www.no-fall.hk/t/fracture_liaison_services.html)

DVD
Produced Tai Chi DVDs for fall and secondary fracture prevention

SUSTAINABILITY
Advocated FLS in local orthopaedic journal so as to influence more clinicians to devote to this service

KPF16ICF21 – Knowledge Transfer to Engage Secondary School Students for Healthy Living of Elders in Our Community

Coordinating Leader: Prof LEE Wing Yan, Vivian (School of Pharmacy)

BENEFICIARIES

Pie chart — Total: 3996
- Elderly, 2469
- Children, 449
- CUHK Medicine and Social Work students, 356
- Adults and care takers, 290
- Secondary school students, 144
- Ethnic minorities, 111
- Professional volunteers (pharmacists and nurses), 74
- Rehab subjects, 55
- Social workers, 48
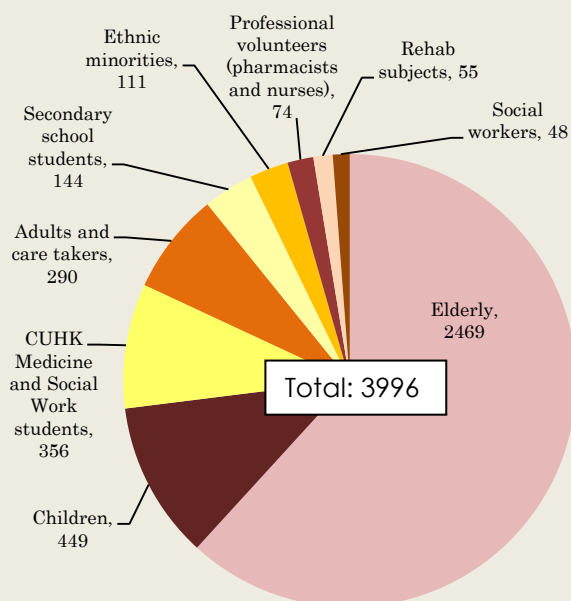
PERFORMANCE INDICATORS

PARTNERS
3 secondary schools; 50 centres / organisations (including Carmel Pak U Secondary School, Heep Yunn School, SALEM Immanuel Lutheran College, Hong Kong Housing Society, JCCPA, Shatin District Council, Elderly Centres of The Salvation Army, Caritas, St. James' Settlement, HKSKH Lady MacLehose Centre, Yan Oi Tong, YWCA, Pok Oi Hospital, HKYMCA, Yan Chai Hospital etc.)

PROGRAMME
Developed CHAMP (Comprehensive Health Advocacy Mentorship Program) which addressed the healthcare issues of elderly and provided leadership experience to the student participants

OUTREACH SERVICE
Held **49** outreach service sessions

Recruited **210** CUHK student volunteers, **144** secondary school volunteers

Reached **3374** elderly, rehabilitation and general public

EMPOWERMENT
Sharing highlights of the "geriatric diary" submitted by the secondary students and the self-assessment showed that their geriatric knowledge and communication skills were highly enhanced after participating in the project

FEEDBACK
Among **863** elderly survey respondents, **99%** satisfied with the programme; **92.5%** thought that it was well arranged; **95%** agreed the flow is smooth

Among **32** service partner survey respondents, the rate for looking forward to future collaboration is **4.6 out of 5**

VIDEOS
Produced videos to record the outreach service and provided a platform for volunteer sharing
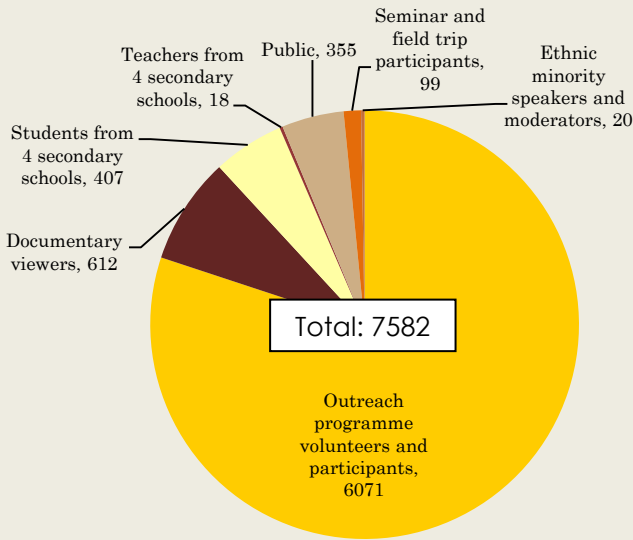
WEBSITE
Developed the website of HK CHAMPION which is an inter-school outreach network with the Faculty of Medicine

KPF16INF01 – Multiculturalism in Action: Promoting South Asian Culture as Local Heritage

Project Leader: Prof TAM Siu Mi, Maria (Department of Anthropology)

Pie chart — Total: 7582
- Outreach programme volunteers and participants, 6071
- Documentary viewers, 612
- Students from 4 secondary schools, 407
- Public, 355
- Seminar and field trip participants, 99
- Teachers from 4 secondary schools, 18
- Ethnic minority speakers and moderators, 20

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS
53 ethnic minority individuals; **27** groups/organisations

CULTURAL WORKSHOP
Pioneered a **two-tier model** in intercultural education for mainstream Chinese to learn about Bangladeshi and Sri Lankan communities in Hong Kong

SEMINARS
Organised **9** seminars and **1** field trip with **20** ethnic minority members involved as speakers and moderators and **99** participants attended

PRESENTATIONS
14 Cultural Trainers gave interactive multimedia presentations to **4** secondary schools with **18** teachers and **407** students attended

DOCUMENTARY
Produced the documentary "Intercultural Hong Kong Series: Feeling South Asian" with **50** community members of different ethnic backgrounds being interviewed

FUNFAIR
A community outreach programme funded by the Equal Opportunities Commission, "FUN with Interculturalism", involved **>20** outreach events and reached **6071** people

WEBSITE
> 4200 visitors browsed the project website (http://www.arts.cuhk.edu.hk/~ant/knowledge-transfer/multiculturalism-in-action/bangladeshi-culture-workshop.html)

FEEDBACK
80% of the students said that the presentations helped them to develop interest in Bangladesh and Sri Lankan culture and they were impressed with the hands-on experiences of kabaddi and rugby

CULTURAL EXCHANGE
A multicultural team of Bangladeshi, Chinese and Sri Lankan joined the "Belt & Road" Friendly Basketball Tournament"

PUBLICATION
Published **1000** copies of workshop publication *"Being Home, Bangladeshi and Sri Lankan Hongkongers"*

GAME LECTURE
Designed and taught a "Learning English through Kabaddi Workshop" at the secondary school

KPF16INF09 – Capacity Building for NGO Elderly Service Workers in Cognitive Screening using the Hong Kong Version of the Montreal Cognitive Assessment (HK-MoCA) for Early Identification of Community Elders Harboring Cognitive Impairment

Project Leader: Prof Adrian WONG (Department of Medicine & Therapeutics)

Pie chart beneficiaries:
- Medical doctors and Chinese medical practitioners, 102
- Researchers, trainers and public, 130
- Clinical psychologists, occupational therapists and physiotherapists, 231
- Nurses, 854
- Social worker and assistants, 603
- Total: 1920

BENEFICARIES
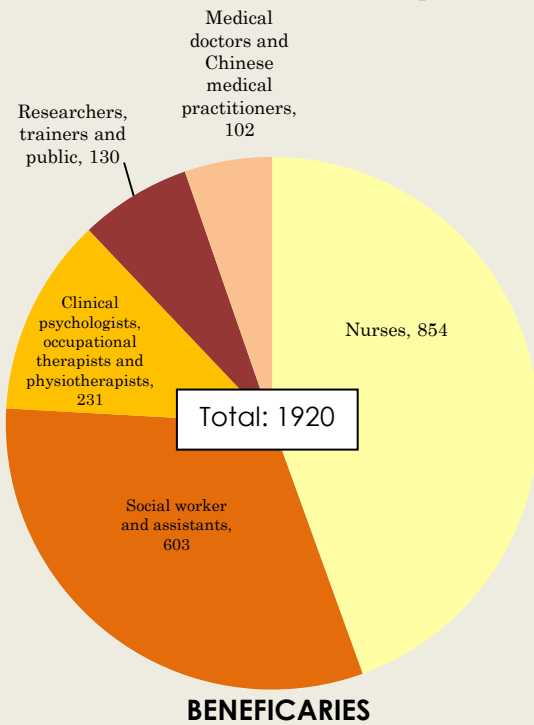
PERFORMANCE INDICATORS

PARTNERS

The Hong Kong Council of Social Service;
The Chinese Dementia Research Association;
Jockey Club Centre for Positive Ageing and **805** hospitals under Hospital Authority

WORKSHOP

Held workshops to train **~1920** professionals across disciplines on the proper use of the Hong Kong version of the Montreal Cognitive Assessment
(HK-MoCA)

SUSTAINABILITY

To be self-sustained with downstream knowledge transfer from workshop attendees to their co-workers

FEEDBACK

Out of **955** attendees:
97.5 % found the workshop useful to their daily work;
97.1% reported perception of change in skills and knowledge in cognitive screening for elderly persons in community;
91.2% reported change in confidence in handling service users with suspected cognitive impairment;
97% are willing to transfer the skills and knowledge acquired in the workshop to fellow workers

Knowledge Transfer Project Fund (KPF)
Projects in progress

KPF15ICF05 – Prevention of Stroke and Enhancement of Life with Aphasia
Coordinating Leader: Prof WONG Chun Man, Patrick (Department of Linguistics and Modern Languages)

Post-stroke patients with aphasia receiving trial treatment, 13

Post-stroke patients with aphasia receiving free assessment, 19

Elderly attending public talks and workshops, 405

Total: 2937

Elderly receiving pamphlets, 2500

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS
7 elderly centres;
Tuen Mun Hospital;
Hong Kong Stroke Association

TALKS/WORKSHOPS
Gave **7** talks on stroke and aphasia to **375** elderly

Organised **2** workshops for **30** patients

WEBSITE
Built a website for the project (http://bmi.cuhk.edu.hk/stroke/)

ASSESSMENT
32 aphasic patients received free assessment on their language and speech abilities

TRAINING
13 patients received free syntactic training sessions

PUBLICATIONS
Distributed pamphlets during talks and to elderly centres

KPF15ICF16 – Promotion of Healthy Lifestyle among Middle-aged Chinese Population in Hong Kong: an Integrated Approach using Body Fat Measurement, Brief Counselling, and Mobile Apps
Coordinating Leader: Prof SU Xuefen (The Jockey Club School of Public Health & Primary Care)
Report has not been received as of the submission date

KPF15ICF17 – Living with Heart: Online and Community-based Mindfulness and Compassion Programs for the Promotion of Public Mental Health in Hong Kong

Coordinating Leader: Prof MAK Wing Sze, Winnie (Department of Psychology)

Total: 38

POC storytelling workshop participants, 10

POC workshop participants, 28

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNER

Prof Karen DOBKINS (UCSD)

POC WORKSHOP

Organised **1** Principle of Clarity (POC) workshop for **28** participants

Participants reported a mean of **8.48 out of 10** point scale for the overall level of satisfaction towards the workshop

POC STORYTELLING WORKSHOP

Organised **1** POC storytelling workshop for **10** participants

Participants reported a mean of **4.1 out of 5** point scale for the overall level of satisfaction towards the workshop

OPPORTUNITY

ALA may recommend their clients to use this online platform

WEBSITE

Built **1** online platform for mental health which will be ready for testing in July 2017

SUSTAINABILITY

The Hong Kong Jockey Club Charities Trust provided funding to enhance the online platform

KPF16ICF01 – Developing and Sustaining the "Support Program for Secondary School Student Athletes – Fostering Different Levels of Academic and Athletic Development"

Coordinating Leader: Prof SUM Kim Wai, Raymond (Department of Sports Science & Physical Education)

PE teachers / coaches, 29
Elite student athletes, 5
Total: 611
Secondary school student athletes, 577
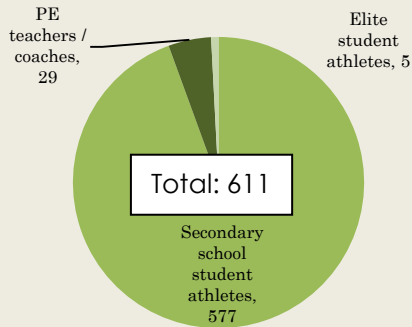
BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

19 secondary schools (members of Hong Kong Schools Sports Federation)

WORKSHOPS

Organised Sports Injury Prevention workshops for **395** student athletes and **13** PE teachers from **6** schools

SEMINARS

Held **1** seminar for **79** student athletes and **5** teachers; another to be held

SHARING

2 sports ambassadors shared with **45** students

VIDEO

Initiated a sport gear donation activity "gearSPORTSup" as an extension of this project

Produced a video to promote this initiative

WEBSITE

Developed **1** website for the project (http://sasp.spe.cuhk.edu.hk/eng/index.asp)

KPF16ICF03 – Promoting Physical and Health Literacy in Hong Kong Pre-school Teachers, Children and their Families

Coordinating Leader: Prof HA Sau Ching, Amy (Department of Sports Science & Physical Education)

Teachers of pre-primary schools, 110
Parents of pre-primary students, 210
Total: 490
Pre-primary students, 170
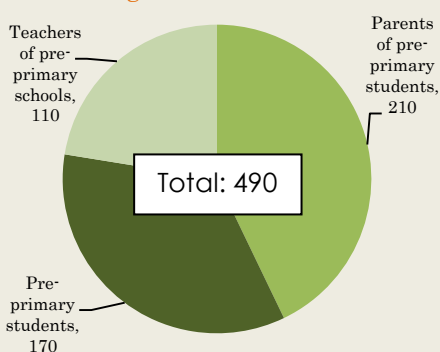
BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

10 pre-primary schools

WORKSHOPS

Organised **2** workshops + **1** more in-depth workshop for **110** teachers

EVENT

A physical activity-based games event organised for **>80** families

PUBLICATIONS

Produced a set of printed teaching materials for schools, teachers and parents

KPF16ICF05 – Robot-based Intervention to Reduce Challenging Behaviours in Children with Autism Spectrum Disorders

Coordinating Leader: Prof SO Wing Chee, Catherine (Department of Educational Psychology)

4-6 year-old children with autism

Total: 69

BENEFICIARY

PERFORMANCE INDICATORS
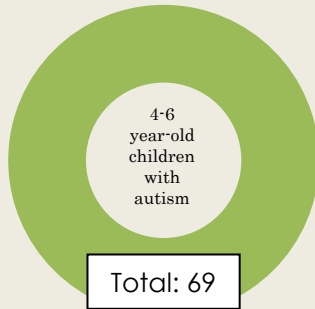
PARTNERS	INTERVENTION	WORKSHOPS	MEDIA COVERAGE	JOURNAL PAPER
SAHK; Christian Service Centre; Hong Chi Morninghill School, Tsui Lam	Provided a robot-based intervention programme to **69** children	Conducted workshops for **>40** teaching staff, social workers and speech therapists	Interviews from *Pearl Report* and *Ming Pao*	**1** paper submitted for consideration of publication in a journal

KPF16ICF06 – "Getting Our Kids Active" – Promoting Motor Skills Proficiency of Hong Kong Children with Developmental Coordination Disorder

Coordinating Leader: Prof SIT Hui Ping, Cindy (Department of Sports Science & Physical Education)

Local primary schools, 7
Health professionals and policy-makers, 2
Educators, 59
Total: 366
Children (at risk of) having DCD, 298

BENEFICIARIES

PERFORMANCE INDICATORS
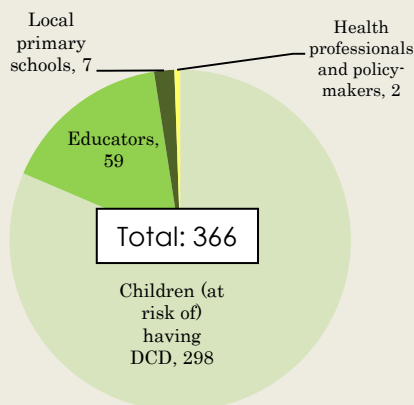
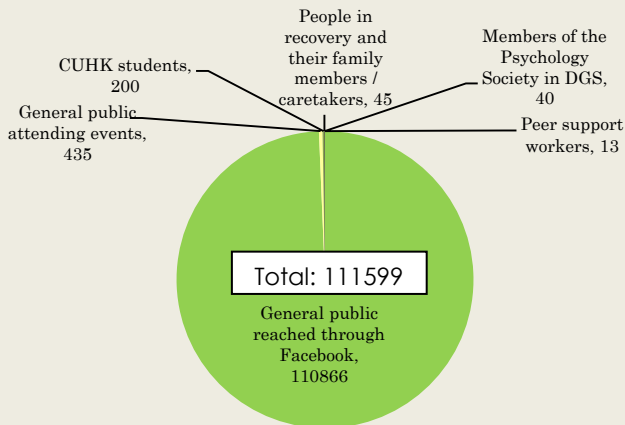| PARTNERS	ASSESSMENT	STEERING COMMITTEE (SC)	WORKSHOPS	PROMOTION
Physical Education session of Education Bureau (EDB)	**298** children from **3** primary schools received the assessment of motor capability for Developmental Coordination Disorder (DCD)	Set up a SC which involves project members, professional consultants and key stakeholders	Held **3** workshops to enhance the knowledge of DCD symptoms and teaching strategies for **59** pre-service and in-service Physical Education teachers	Designed and delivered educational leaflets to deliver key information and tips about DCD

KPF16ICF07 – StoryTaler: Fighting against Mental Illness Stigma through Story-telling Online and Offline

Coordinating Leader: Prof MAK Wing Sze, Winnie (Department of Psychology)

CUHK students, 200
People in recovery and their family members / caretakers, 45
Members of the Psychology Society in DGS, 40
General public attending events, 435
Peer support workers, 13
Total: 111599
General public reached through Facebook, 110866

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

New Life Psychiatric Rehabilitation Association; Baptist Oi Kwan Social Service; Baptist University; Mad World; Diocesan Girls' School; Self-help group of people with mental illness

STORYTELLING DAYS

165 participants joined the Storytelling day 2017

On a 5-point scale ranging from 1 (strongly disagree) to 5 (strongly agree), the mean score was **4.06** for the participants' understanding of people in recovery

WEBSITE

The Facebook page, with a video of the storytelling event, reached **110866** people

MEDIA COVERAGE

Media interview including *Buddhistdoor*, *Sing Tao SFILE*, *Next Media*, *Ming Pao* and *RTHK31*

KPF16ICF09 – Promoting Integrative Chinese-Western Medicine Care Models through the Development of an Evidence-based Electronic Resource and Training Program

Coordinating Leader: Prof CHUNG Chi Ho, Vincent (The Jockey Club School of Public Health & Primary Care)

PERFORMANCE INDICATORS

PARTNERS

18 Chinese Medicine Centres for Training and Research affiliated with the Hospital Authority

SYNOPSES

Completed **138** bilingual synopses with evidence grading, **62** more synopses to be completed

INTERVIEWS

Interviewed **15** Chinese medicine practitioners and incorporated their comments into designing the synopses and training course plans

PROMOTION

Opened social media platforms (Facebook and WeChat) for dissemination, promotional materials (e.g. posters) in preparation

WORKSHOPS

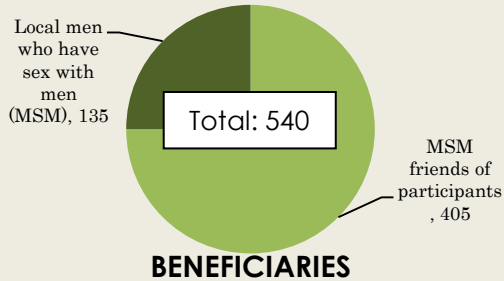Teaching materials of training courses in preparation, **3** workshops to be held

WEBSITE

Completed layout and introductory content, synopses in preparation and website to be launched
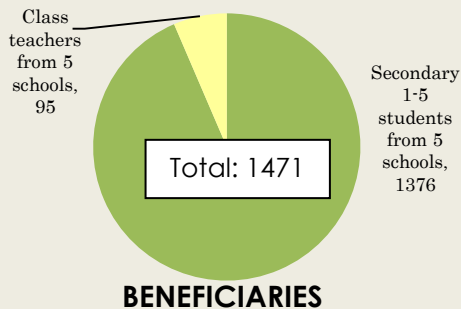
KPF16ICF10 – An Evidence-based Knowledge Transfer Program Promoting HIV Self-testing with Real-time Online Counselling for Men who have Sex with Men in Hong Kong

Coordinating Leader: Prof LAU Tak Fai, Joseph (The Jockey Club School of Public Health & Primary Care)

Local men who have sex with men (MSM), 135

Total: 540

MSM friends of participants, 405

BENEFICIARIES

我們會寄一套自助測試套件給大家

PERFORMANCE INDICATORS

PARTNER

AIDS Concern

WORKSHOPS

Conducted a 4-hour training workshop for the NGO staff about HIV self-testing (HIVST)

Conducted **2** sessions of motivational training workshops for fieldworkers

INTERVENTION

72 out of the **135** participants took up HKVST online and **2** new HIV positive cases were detected

WEBSITE/VIDEO

Created an online video targeting "re-testers"

Created a website with a promo video & a demo video, knowledge and benefit of HIV self-testing and a discussion forum

KPF16ICF11 – Development and Implementation of a Positive Psychology Intervention to Improve Mental Health among Secondary School Students and Teachers in Hong Kong

Coordinating Leader: Prof MO Kit Han, Phoenix (The Jockey Club School of Public Health & Primary Care)

Class teachers from 5 schools, 95
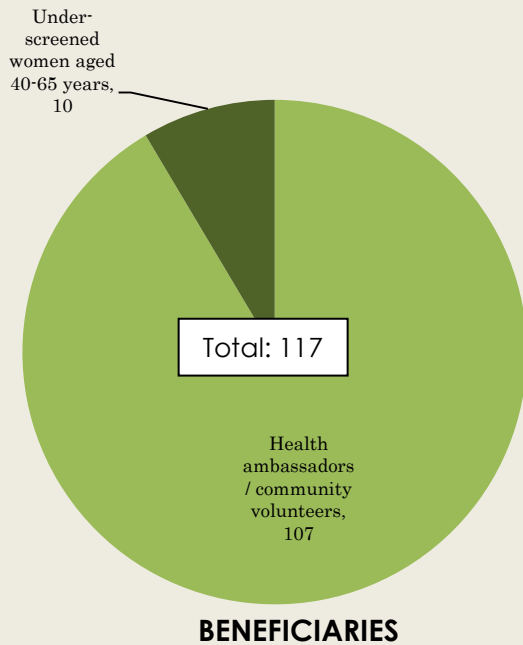
Total: 1471

Secondary 1-5 students from 5 schools, 1376

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

5 secondary schools

ONLINE TUTORIAL

95 teachers and school staff completed the online tutorial

WORKSHOPS

Provided **5** teacher training workshops to promote positive psychology

LESSON PLANS

Developed a plan of **9** class activities for teachers to follow, available online

RESOURCES CENTRE

Developed an online teachers' resources centre for teachers to review ideas behind the programme

PUBLICATIONS

Printed **1600** logbooks and bookmarks for participants

SURVEYS

1376 students and **95** teachers completed the baseline survey, **2** follow-up surveys to be completed

KPF16ICF13 – Knowledge Transfer to Increase Access of Cervical Cancer Screening among the Difficult-to-reach Group in Hong Kong: Community-based Training on Screening by Self-sampling

Coordinating Leader: Prof WONG Lai Yi, Eliza (The Jockey Club School of Public Health & Primary Care)

Under-screened women aged 40-65 years, 10

Total: 117

Health ambassadors / community volunteers, 107

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

Community Centres in Kwai Tsing District; Sha Tin District Council

TRAINING

Provided training programmes to **107** health ambassadors

INTERVENTION

13 participants completed interviews and **10** returned their HPV self-sampling kit

WEBSITE

Launched "Study" website and "Study" video

SEMINAR

Conducted **1** health education seminar in liaison with Sha Tin District Council for study promotion and subject recruitment

EVENTS

Joined **2** community health promotion events in Kwai Tsing District

EDUCATIONAL MATERIAL

Created a set of educational materials (including website, video and pamphlets) and other materials (questionnaires and fieldwork materials)

KPF16ICF14 – Mindfulness for Children with Attention Deficit Hyperactivity Disorder (ADHD) and Their Parents: An Education and Practice Programme in the Community

Coordinating Leader: Prof WONG Yeung Shan, Samuel (The Jockey Club School of Public Health & Primary Care)
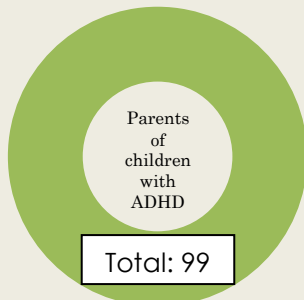
Parents of children with ADHD

Total: 99

BENEFICIARY

PERFORMANCE INDICATORS

PARTNERS	SEMINAR	PROMOTION	APP
Heep Hong Society	Conducted **2** parent seminars with **~99** attendees The satisfaction scores were from **4.2 to 4.5 out of 5** for all the assessment items	Designed posters for the community educational exhibitions	Collaborated with Big Data Decision Analytics (BDDA) in designing the app outline and user interface

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KPF16INF07 – Elder Law in Hong Kong: Advancing the Rights of Older Persons

Project Leader: Prof Mimi ZOU (Department of Law)

Policy-makers and government officials, 3

Health and medical professionals, 9

Social and age care professionals, 10

Social workers, 11

Total: 92

Legal professionals working on elderly issues, 38

Organisations working on elderly services, 21

BENEFICIARIES
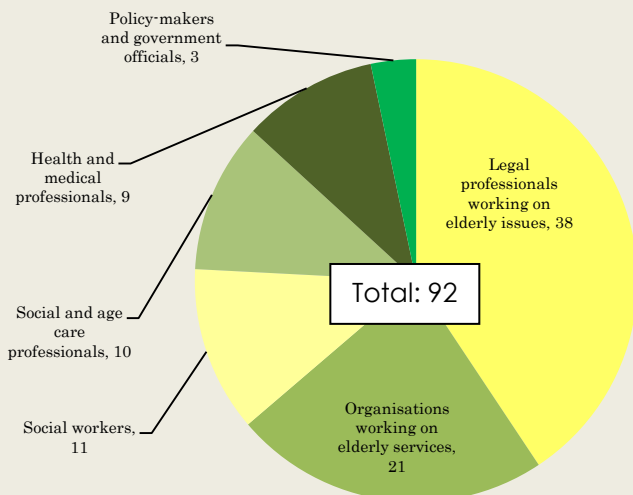
PERFORMANCE INDICATORS

PARTNERS	WORKSHOP	MEDIA COVERAGE	FEEDBACK
3 elderly services organisations and NGOs; **4** health and medical professionals; **2** government officials; **3** social workers; **3** lawyers	Organised workshop on "How do our laws protect the elderly?" for **92** participants in a diverse cross-section	Held **1** press conference, reported by **>10** news outlets	**58** workshop evaluation forms returned **100%** of survey respondents indicated the workshop enhanced their knowledge in the area of elder law

## KPF16INF10 – Planning Ahead: Preparing People with Chronic Progressive Diseases and Their Carers to Plan for End of Life Care

Project Leader: Prof CHAN Yue Lai, Helen (The Nethersole School of Nursing)

BENEFICIARIES

Total: 703

- Health professionals involved in chronic disease management, community rehabilitation services and long-term care services, 116
- Volunteers in frequent contact with people with chronic progressive diseases and their carers, 40
- People with chronic progressive diseases and their carers, 547
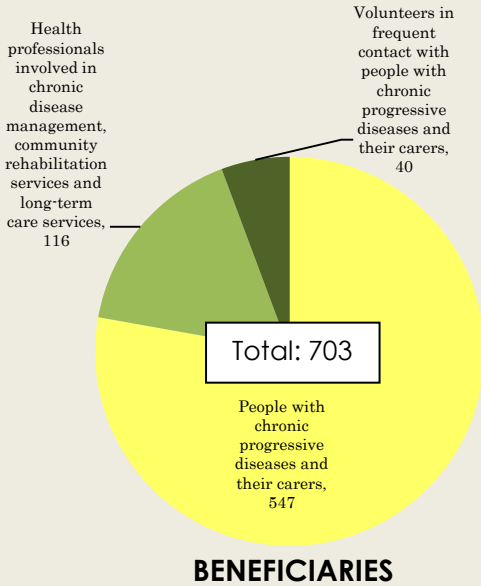
PERFORMANCE INDICATORS

PARTNERS
The Hong Kong Society for Rehabilitation;
Hong Kong Association of Gerontology;
Hong Kong Housing Society

WEBSITE
Created a webpage about advance care planning, recording **5267** visits (http://acpe.cuhk.edu.hk)

TALKS
Organised **13** public talks for **547** persons with chronic progressive diseases and their carers

TRAINING
Held **1** training workshop for **40** volunteers and **4** staff trainings for **403** healthcare providers

PRESENTATION
Delivered **1** poster presentation at the International Ethics Consultation Conference in Singapore and received the Best Poster Presentation Award

MEDIA COVERAGE
Media exposure on *Hong Kong Economic Journal* and *Hong Kong Parkinson Disease Foundation Newsletter* (Issue 47, May 2017)

KPF16INF11 – "Time to Get Help! Say No to Faecal Incontinence!"「起來吧！請對大便失禁說不！」

Project Leader: Dr MAK Wing Chung, Tony (Department of Surgery)

Relatives of patients with faecal incontinence, 15
Total: 94
Patients suffering from faecal incontinence, 79
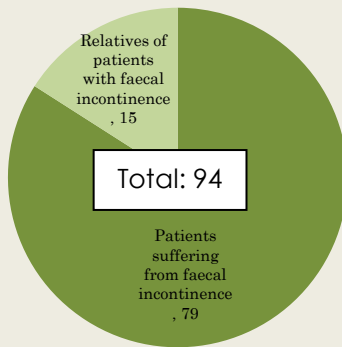
BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS
1 dietitian;
1 nurse specialist;
1 community Tai Chi teacher

PROGRAMME
Organised a programme of lectures, Tai Chi and pelvic floor exercises

FEEDBACK
>85% of participants had 50% reduction in symptoms after training

PUBLICITY
Presented project on an *RTHK* radio show and promoted with a newspaper advertisement

KPF17ICF01 – A Real-time Chinese Sentence Learning Platform for Ethnic Minority Students

Coordinating Leader: Prof CHAN Wai Kwong, Samuel (Department of Decision Sciences & Managerial Economics)

PERFORMANCE INDICATORS

IDENTIFICATION
Defined the Chinese character set to be illustrated to learners

WEBSITE
Established an early user experience (UX) design and tone of the platform

FEEDBACK
Evaluated identification of words and constituent phrases in sentences

MEDIA COVERAGE
Published articles for brief project introduction on *Apple Daily* and *AM730*

KPF17ICF03 – Public Education on Sarcopenia Awareness and Fracture Prevention by Online Video Content. An Extension of the Fall Prevention Campaign
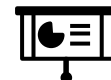
Coordinating Leader: Prof CHOW Kwoon Ho, Simon (Department of Orthopaedics & Traumatology)

PERFORMANCE INDICATORS

VIDEO
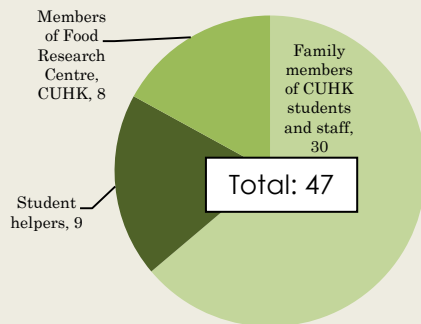Completed the screenplay and confirmed the video shooting venue

PRESENTATION
Project presentation to students of management for the impact assessment exercise

KPF17ICF04 – Sustainable Mushroom Urban Farming with Social and Educational Perspectives

Coordinating Leader: Prof KWAN Hoi Shan (School of Life Sciences)

Members of Food Research Centre, CUHK, 8

Family members of CUHK students and staff, 30

Student helpers, 9

Total: 47

BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

SeeYou@Shaw (Caterer in Shaw College); The Mushroom Initiative; Shaw College

MUSHROOM CULTIVATION

Arranged **114** cultivation bottles and produced **3** kg of mushroom

UPCYCLE/ RECYCLE

Upcycled **2** kg of spent coffee ground; recycled **16** pieces of abandoned 1-seat sofa and **12** tables

PRESENTATION

Project presentation to students of management for the impact assessment exercise

BRIEFING

Recruited a group of mushroom ambassadors with **3** recruitment briefing

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KPF17ICF06 – Development of Chronic Disease Self-management Program to Community-dwelling People with Mild Neurocognitive Disorder

Coordinating Leader: Prof KWOK Chi Yui, Timothy (Department of Medicine & Therapeutics)

Staff undergoing intervener training

Total: 17

BENEFICIARY

PERFORMANCE INDICATORS

PARTNERS

Jockey Club Centre for Positive Ageing

TRAINING

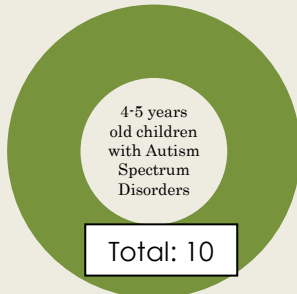First group of **17** interveners has finished the training

MEDIA COVERAGE

Published an article for brief project introduction on *Apple Daily* and *AM730*

KPF17ICF07 – Robot Drama Therapy for Promoting Social Competence of Children with Autism Spectrum Disorders

Coordinating Leader: Prof SO Wing Chee, Catherine (Department of Educational Psychology)

4-5 years old children with Autism Spectrum Disorders

Total: 10

BENEFICIARY

PERFORMANCE INDICATORS

PARTNERS

Heep Hong Society

INTERVENTION

Conducted a trial run on robot drama therapy to **10** children with autism in Heep Hong Society

MEDIA COVERAGE

Published an article for brief project introduction on *Apple Daily* and *AM730*

Interviewed by *SCMP*

KPF17ICF10 – Pursuing Meaningful Goals as Intervention to Reduce Loneliness among Hong Kong Elders

Coordinating Leader: Prof FUNG Hoi Lam, Helene (Department of Psychology)

Lonely older adults aged 60 or above

Total: 80

BENEFICIARY

PERFORMANCE INDICATORS

PARTNERS

3 elderly centres; The Christian & Missionary Alliance Church Union of Hong Kong; Mutual Aid Committee of the Fu Shin Estate

SCREENING

Screened **400** older adults for their loneliness, and invited **140** to participate in the programme

INTERVENTION

Completed **5** indoor reminiscent sessions and **4** outdoor reminiscent sessions, a total of ~**30** programme hours for **80** participants

PRESENTATION

Project presentation to students of management for the impact assessment exercise

PROMOTION

Spread awareness on loneliness to potential and official NGO partners

HOME VISIT

Visited **36** elderly in Fu Shin Estate with the help of **22** volunteers from CUHK and the community

KPF17ICF11 – UNEMIA- Business for Social Cohesion and Understanding
Coordinating Leader: Prof WONG Hung (Department of Social Work)

Elderly, 18

Women, 13

Total: 116

CUHK students, 85

BENEFICIARIES
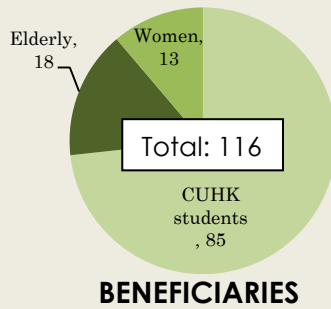
PERFORMANCE INDICATORS

PARTNERS

St. James' Settlement (SJS);
The Hong Kong Council of Social Service (HKCSS);
CUHK Jockey Club Institute of Ageing (IOA)

TRAINING

Conducted **2** trainings to students concerning asset-based community development, and how to get along with people of diverse backgrounds

TRAINING

Conducted **2** trainings to the community members and students, concerning issues of food recycling and the situation faced by the elderly

SURVEYS

Collected ~**539** questionnaires from students and community members

KPF17ICF17 – Interculturalism and Motherhood: Agents of Change in Multicultural Hong Kong
Coordinating Leader: Prof TAM Siu Mi, Maria (Department of Anthropology)

PERFORMANCE INDICATORS

PARTNERS

10 individuals and **7** groups, including Centres for Community Cultural Development, International Yoga Institute, School of Everyday Life and St. James Settlement

PUBLICITY

Designed the curriculum and disseminated the publicity materials to partners' network

PROMOTION

Created **1** Facebook page and **1** new section under the Multiculturalism-in-action website

KPF17ICF18 – Hong Kong Sign Language Fundamental Medical Knowledge Databank
Coordinating Leader: Prof SZE Yim Binh, Felix (Department of Linguistics & Modern Languages)

PERFORMANCE INDICATORS

SURVEYS

Conducted **3** surveys with **15** informants to find out how well deaf signers understand health/medical concepts:

1) Rapid Estimate of Adult Literacy in Medicine; 2) Newest Vital Sign and 3) Questionnaires on **7** common illnesses

WEBSITE

Prepared **28** Chinese scripts for the explanations of basic medical terminologies to be used in the website

PRESENTATION

Project presentation to students of management for the impact assessment exercise

KPF17ICF19 – Social Integration with the 5%: Social Empowerment of Migrant Workers and Intercultural Communication between Migrant Workers and Secondary Students

Coordinating Leader: Prof HUANG Weishan (Department of Cultural & Religious Studies)

Staff of labour union, NGOs, leaders of migrant worker groups

Total: 14
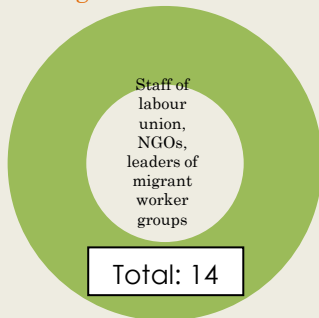
BENEFICIARY

PERFORMANCE INDICATORS

PARTNERS

5 domestic workers unions; **3** Muslim groups; YMCA Multicultural Team; Diocesan Pastoral Centre for Filipinos and other Asian migrants; Remembrance of Grace Church Tai Po Church; Bethune House (Mission for Migrant Workers); The Association for the Advancement of Feminism; International Domestic Workers Federation

SHARING

Prof Andre Laliberté exchanged ideas at a sharing session with leaders from prominent labour unions on the situation of migrant workers in Hong Kong, Taiwan and Shanghai

FEEDBACK

88% of respondents agreed the sharing session enriches their understanding of the topic

100% of respondents satisfied with the sharing session

COLLABORATION

Held **8** planning meetings with religious institution partners for project collaboration

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KPF17ICF22 – The CUHK Eye SMART (Screening of Macular and Retinal Diseases for Knowledge Transfer) Campaign

Coordinating Leader: Prof NG Siu Chun, Danny (Department of Ophthalmology & Visual Sciences)

PERFORMANCE INDICATORS

PARTNERS

Health Action

WEBSITE/APP

Modifying online materials and discussing details with programmers

LECTURES/WORKSHOPS

Coordinating with partners to organise education lectures and workshops

PUBLICATION

Preparing education pamphlets

KPF17ICF25 – Development of a Culturally Sensitive Website to Promote Healthy Lifestyles and the Prevention of Chronic Illness among South Asians in Hong Kong

Coordinating Leader: Prof SO Kwok Wei, Winnie (The Nethersole School of Nursing)

PERFORMANCE INDICATORS

ADVISORY PANEL

Formed an advisory panel which consists of community leaders, health professionals, teachers and media organisations from South Asian groups

WEBSITE

Confirmed the draft of the website outline

KPF17ICF28 – What does Sexual Orientation and Gender Identity Equality Mean for Policy Makers, Service Providers and Legal and Business Communities?
Using Diverse Ways to Disseminate Research Findings to Stakeholders and Creating an Interactive Database and a Knowledge Hub on LGBT Issues in Hong Kong

Coordinating Leader: Prof SUEN Yiu Tung (Gender Studies Programme)

Policy-makers, 10
Service providers / NGOs, 50
Total: 400
Legal and business community, 340
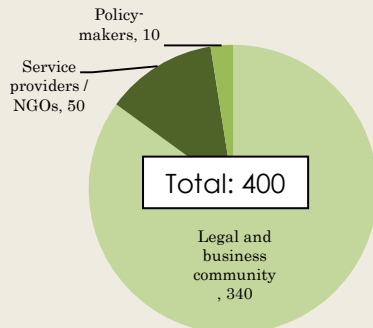
BENEFICIARIES

PERFORMANCE INDICATORS

PARTNERS

1 policymaker;
38 service providers / NGOs;
37 legal and business community members

GLOBAL SYNERGY

Engaged the UN Development Programme and helped fundraise a position on private sector and LGBTI (lesbian, gay, bisexual, transgender & intersex) inclusion

STATEMENT

Led a statement issued by the Equal Opportunities Commission and the Gender Research Centre of CUHK calling on the introduction of LGBTI anti-discrimination legislation in HK;
Supported by **75** other entities

TALKS

Gave **4** talks to **260** participants and spoke at the Hong Kong Gay and Lesbian Attorneys Network's first panel discussion

MEDIA COVERAGE

Reported by **>5** news outlets and interviewed by *RTHK*

KPF17ICF30 – Supporting Family Carers of People Living with Dementia with an Interactive Mobile Application

Coordinating Leader: Prof CHAN Yue Lai, Helen (The Nethersole School of Nursing)

PERFORMANCE INDICATORS

PARTNER

Jockey Club Centre for Positive Ageing

APP/VIDEO

Prepared the mobile app and videos

Sustainable Knowledge Transfer Fund (S-KPF)
Projects in progress (2016-17)

SKPF17SSC01 – Pro-talent Association Limited

Prof CHAN Sui Yin, Agnes (Department of Psychology)

Individuals with autism are usually perceived as "unproductive' given their limited independent-living capacity. To reduce such social stigma, Pro-talent Association Limited develops and launches training programmes based upon advanced brain science for improving emotion and behaviours of children/adolescents with autism, and provides musical instrument classes for them. The goals are to

- provide neuropsychological training to people who want to improve their cognitive functions and behaviours;
- support the development of musical talent in individuals with special educational needs; and
- provide financial assistance to children and teenagers from underprivileged families to obtain training.

SKPF17ART01 – SLCO Community Resources Limited

Prof TANG Wai Lan, Gladys (Department of Linguistics and Modern Languages)

SLCO Community Resources Limited is a social enterprise which promotes bimodal bilingualism (the use of spoken and signed languages) in the context of communication, education and social inclusion. Through different lines of services and products, the company aims to nurture bimodal bilingualism among deaf, hearing and special educational needs (SEN) children, enabling them to achieve optimal development in different aspects; and to support parents in learning sign language as an additional strategy of communication with their children so as to cater for their needs. The ultimate goal is to cultivate an inclusive society in which individual differences are appreciated and different languages are respected.

SKPF17SSC02 – Institute for User Participation Limited

Prof LEUNG Tse Fong, Terry (Department of Social Work)

The Institute for User Participation Limited provides training and support services to welfare service organisations, public bodies and corporates on collaborative decision-making with the service users, in order to facilitate continuous quality improvement and build innovations for service. The Institute endeavours to help both service providers and service users resolve the challenges encountered in user participation and facilitate the development of trust and mutuality among stakeholders. In this hub where experiential knowledge integrates with professional knowledge, social service users are taking an active part as members of the Board, consultants in product development, or trainers.

SKPF17SSC04 – Mars Media Academy Limited

Prof CHU Shun Chi, Donna (School of Journalism and Communication)

Mars Media Academy aims to promote the concept of "media and information literacy" (MIL) amongst educators, parents and general public in Hong Kong. Media literacy, defined as the ability to "access, analyse, evaluate, create and participate with messages in a variety of forms", are becoming essential life skills amidst these changes. In addition to specialised courses on MIL, it designs and develops innovative education programmes that incorporate MIL into existing school curriculum. It advocates creative, ethical and responsible media production and consumption in the age of social media. Through regular workshops, seminars and courses, the Academy will engage participants in understanding, reflecting and critically examining everyday media phenomena. The Academy also maintains a website as a hub where updates about news verification, media trends and hot topics are provided.
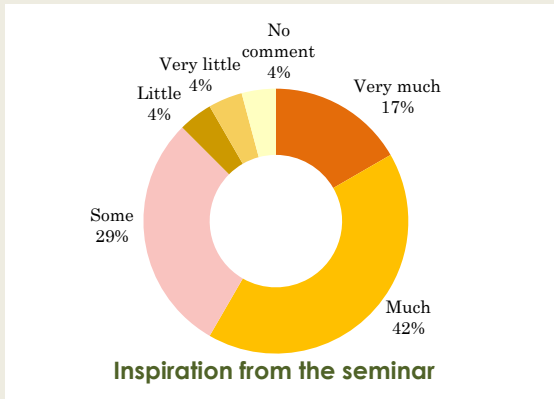
Knowledge Transfer Seminar Series

Number of seminars organised in 2016-17

9

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8 Aug 2016

Knowledge Transfer Seminar Series: Updates in Patent System and Intellectual Property Law in US and China

Participants **39**

Dr Albert CHAN, Mr Rong XIE, Dr Trace Hau Man CHENG

Participant feedback: Knowing the patenability of life sciences inventions and biomakers in US & China
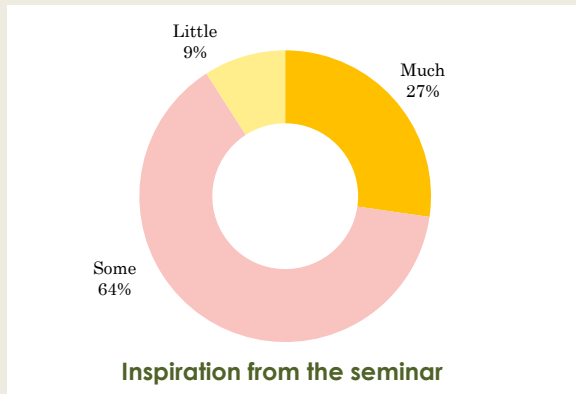

No comment 4%
Very little 4%
Little 4%
Very much 17%
Some 29%
Much 42%

Inspiration from the seminar

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9 Sep 2016

A Journey from Academic to Entrepreneur

Participants **81**

Dr Sunny SIU

Participant feedback: Help for startups. Inspiration and wisdom gleaned. Relatable presentation.

Little 9%
Much 27%
Some 64%

**Inspiration from the seminar**

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30 Sep 2016

Knowledge Transfer Project Fund (KPF) Information Session

Participants **62**

Prof Ng Mee Kam, Dr Edward YIU, Dr Angela WONG,
Prof Adrian WONG, Mr Perkins HO

Participant feedback: The sharing discussion enables the audience to learn detailed information about KPF

No comment 4%
Some 12%
Very much 23%
Much 61%

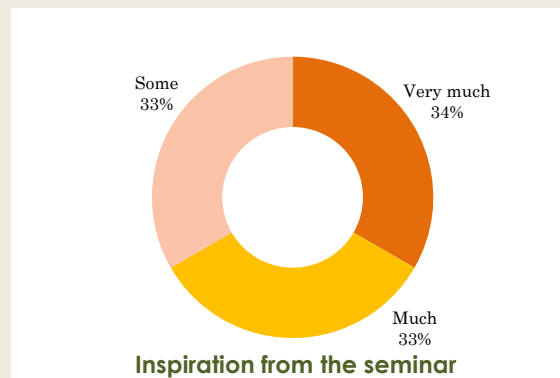**Inspiration from the seminar**

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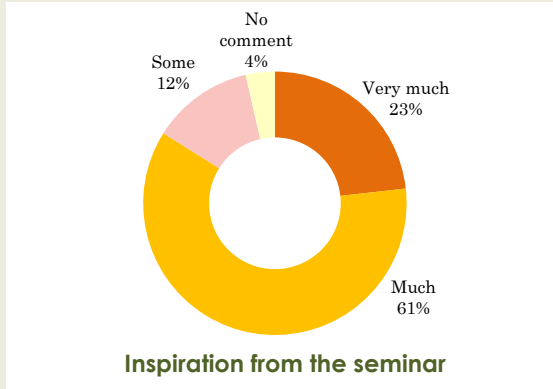
19 Oct 2016

Sustainable Knowledge Project Fund (S-KPF) Information Session

Participants **9**

Ms Elsie TSUI, Mr Antony PANG, Mr Chris YIU, Mr Raymond WONG, Mr Perkins HO

Participant feedback: Encouraged to set up social enterprise to solve social problems

Some 33%
Very much 34%
Much 33%

Inspiration from the seminar

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28 Oct 2016

ASTRI Day and CUHK-ASTRI Joint Lab Establishment MOU Signing Ceremony

Participants **59**

Mr WONG Ming Yam, Dr Franklin TONG, Prof Benjamin W. WAH,
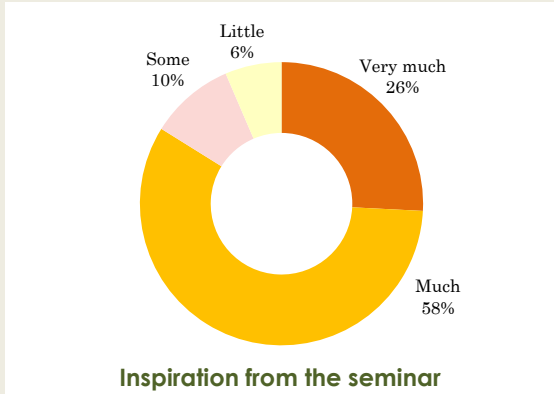Prof Fanny CHEUNG, Dr Duncan WONG, Dr Justin CHUANG, Dr Daniel SHI

17 Nov 2016

Technology Start-up Support Scheme for Universities (TSSSU) Information Session

Mr Jonathan CHEE, Mr Perkins HO

Participant feedback: Get more ideas on pitching

Participants **40**

Little 6%
Some 10%
Very much 26%
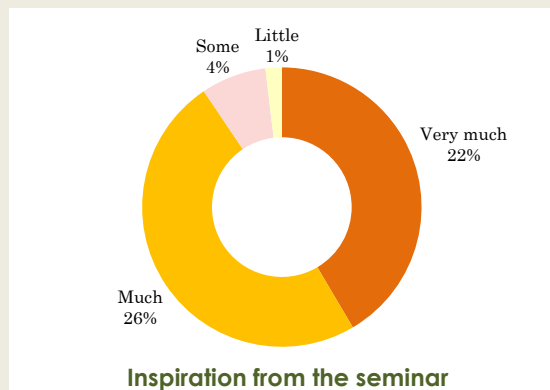Much 58%

Inspiration from the seminar

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02 Dec 2016

Lectures on Impact Case Studies and Research Excellence Framework (REF) in UK

Prof Stephen HOLGATE, Ms Katy McKEN

Participant feedback: Learnt how to be prepared for the impact assessment

Participants **133**

Some 4%
Little 1%
Very much 22%
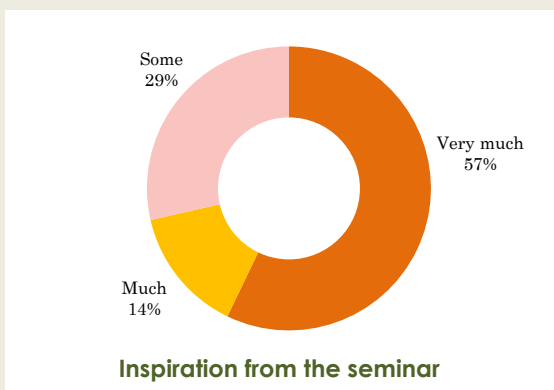Much 26%

Inspiration from the seminar

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26 Apr 2017

Make Money the Biotech Way

Dr Kenneth FONG

Participant feedback: Provided insight on parameters of successful biotechnology companies

Participants **49**

Some 29%
Very much 57%
Much 14%

Inspiration from the seminar

24-26 Apr 2017

Association of University Technology Managers (AUTM)
Asia Conference 2017 –
(1) Presidents Forum (Track A2)* ;
(2) Health and Green Innovation in Asia (Track 4)

(1) 560
(2) 154
Participants

(1) Ms Katharine KU, Prof Philip CHAN, Prof Jian LU, Prof Rui Paulo da Silva MARTINS, Prof Joseph SUNG, Prof Paul TAM, Prof Rick WONG, Prof Enboa WU

(2) Dr Albert CHAN, Prof Walter HO, Ms Patrea L. PABST Esq., Dr Terrence NORCHI, Dr Kenneth FONG, Mr Rex SHAM, Prof KIM Young Ho, Mr Ian HUEN

Participant feedback: "…really well-organised and so successful. It was also very fruitful to me…I am happy to have a good collaboration network during this meeting…"

co-organised with City University of Hong Kong, Hong Kong Baptist University, Hong Kong Polytechnic University, Hong Kong University of Science and Technology, University of Hong Kong, and University of Macau

Networking Building:
Activities Conducted or Participated by ORKTS 2016-17

Advocating KT to CUHK Faculties and Staff

1 Orientation for New Teachers 2016, by the Centre for Learning Enhancement And Research (CLEAR), Aug 2016

2 Lectures on Impact Case Studies and Research Excellence Framework (REF) in UK, 2 Dec 2016

3 Bi-monthly chitchat sessions on social innovation

4 Seminar "A Journey from Academic to Entrepreneur" by Dr Sunny SIU, 9 Sep 2016

5 Seminar "Make Money the Biotech Way" by Dr Kenneth FONG, 26 Apr 2017

Promoting KT within and beyond campus (Part of events only)

1 香港創新創業青年訪瓊團 (Hainan Entrepreneurship Tour), Aug 2016

2 Guangzhou Tianhe CBD visit on entrepreneurship collaboration, Aug 2016

3 Redefining Early Stage Investments (RESI) Conference, Boston, USA, 13 Sep 2016

4 BioPharm America, Boston, USA, 13-15 Sep 2016

5 9th CNS Partnering & Deal-Making Conference, Boston, USA, 14-15 Sep 2016

6 Technology Summit by Hasbro Far East Limited, Oct 2016

7 InnoCarnival, Oct 2016

8 ASTRI Day 2016 cum Memorandum Signing of CUHK-ASTRI Joint Lab Establishment, 28 Oct 2016

9 華夏新創醫材高峰論壇, 28 Oct 2016

10 Foshan visit on entrepreneurship collaboration, Nov 2016

11 Biotech and Money Inv€$tival Showcase, London, UK, 18 Nov 2016

12 World Orphan Drug Congress, Brussels, Belgium, 15-17 Nov 2016

13 Business of IP Asia Forum, 1-2 Dec 2016

14 第三屆深港(前海)人才合作年會—香港站, Dec 2016

15 前海星空盛宴・草根天使會夢想之夜暨前海種子期創想起航, Jan 2017

16 BUSINESS AS A FORCE FOR GOOD (B Corp), Feb 2017

17 The InnoHub Round Table, by the Hong Kong Polytechnic University, Mar 2017

18 Startup Master Campus Tour-HKUST, by the Hong Kong University of Science and Technology, Mar 2017

19 HKSEC, Mar 2017

20 SZRI and Nanfang Technology Transfer Centre visit, Mar 2017

21 Soft-landing Series: Smart Living & Green Tech Business Matching Forum, by HKSTP, Apr 2017

22 「創造價值：跨世代談創科、創新、創業」分享會, by 香港發展論壇, Apr 2017

23 Coller Institute of Ventures Annual Conference, 23 Apr 2017

24 The Association of University Technology Managers (AUTM) Asia Conference, 23-26 Apr 2017

25 「挑戰盃」全國賽香港區選拔賽 2017 頒獎典禮, May 2017

26 中國創新創業成果交易會 2017, May 2017

27 EmTech Hong Kong, 6-7 Jun 2017

28 AVPN Conference, 7-9 Jun 2017

29 BIO International Convention, San Diego, USA, 19-22 Jun 2017

30 首屆「中國高校科技成果交易會」, 22-24 Jun 2017

Presentations to International Delegations (Part of events only)

1 Kazakhstan Institutions, Jul 2016

2 Federation of Hong Kong Industries, Jul 2016

3 內地高校行政管理暑期研習班, Aug 2016

4 The University of Newcastle Australia, Dec 2016

5 Korean Intellectual Property Office (KIPO), Feb 2017

6 Nansha Information Technology Park, Feb 2017

7 Universiti Brunei Darussalam, Feb 2017

8 Austrian state Styria, Mar 2017

9 Guangzhou Tianhe Government Delegates, May 2017

10 國家自然科學基金委員會, Jun 2017