Oral Health Knowledge in Action
Promoting healthy mouths and healthy lives, one smile at a time

Knowledge Exchange & Impact

Faculty of Dentistry
The University of Hong Kong
35 Years
Advancing Oral Health & Well-being
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Excellence in knowledge exchange & impact

Knowledge Exchange, or KE, was added to HKU’s missions of Research, and Teaching/Learning in 2009, so HKU staff are now expected to be able to perform KE, and to share best KE practices with their students. This means all staff and students should be able to use academic knowledge in the real world.

For our Faculty, this could take the form of technology transfer, community service related to dentistry, performing oral health education, talking about dental practice and research to the media, influencing government and company policies, or linking with industry, NGOs, and other professionals.

The goal of KE is to achieve mutual benefit, so that there is a positive impact both for the non-academic community and for university staff and students.

To encourage KE, the government has allocated funds to the universities in Hong Kong, and HKU has created grants for staff Impact Projects, and extracurricular student KE projects. These are for projects in the community, but not directly a part of a Research or Teaching/Learning activity. They can be indirectly related, however, such as application of research or academic knowledge.

HKU also encourages collaboration with external KE partners, to jointly create well-planned, practical, and sustainable projects, with lasting impacts. To share the knowledge further, useful tools and materials can be shared with the public online by a website or on social media.

We hope that, in time, both the HKU staff Impact Projects and Service 100 Fund (Incorporating the Student KE Prproject Grant) will enable the Faculty to form long-standing two-way relationships with community KE Partners and long-term KE strategies to reflect excellence in both the quality of the knowledge content, and also the quality of the exchange process.

Prof Thomas Flemmig
Dean of Dentistry
The University of Hong Kong
Primary oral care
Empowering a non-governmental non-profit organization to deliver primary oral care to Hong Kong citizens

Team leader: Dr Dominic KL Ho
Team members: Dr Mike YY Leung, Prof Chun-hung Chu, Dr Duangthip Duangporn

The Problem
Tooth decay and gum disease are still imminent threats to the oral health of Hong Kong people. Very often, the distribution of oral diseases is skewed. These chronic oral diseases are more prevalent in poor and disadvantaged people. Unfortunately, comprehensive dental treatment is costly and unaffordable. Access to dental care services is a problem. Delayed diagnosis of dental disease can result in exacerbated problems, which lead to even more extensive and costly care.

The Solution
Dental professionals can empower and engage the community partners to build the capacity for oral health promotion and prevention in a sustainable and impactful way. The use of mobile dental clinic can be an alternative to increase the accessibility of dental care and minimize the need for special transportation, particularly for elders and very young children. Oral health promotion fairs including free dental treatment and oral health promotion activities can also improve oral health status and enhance oral health knowledge and awareness of patients.

The Action
With support from KE funding, the HKU Faculty of Dentistry has been partnering with Project Concern, which is a non-governmental non-profit organization. High-profile annual public event namely “Love and Clean Teeth Day” was organized for underserved Hong Kong residents in various disadvantaged communities. It focused on providing access to dental care and preventive oral health care. Results of seven events in different districts in 2014-2016 showed that a total of approximately 3500 visitors attended the fairs and 1400 patients benefitted from free dental check-up and emergency treatment if needed.
Memorable project
Faculty boosts oral care skills of people with Alzheimer’s disease

**Project:** Empowering a non-governmental non-profit organization to deliver home-oral care to people with Alzheimer’s disease

**Team leader:** Prof Chun-hung Chu

**Team members:** Dr Katherine CM Leung, Dr Dominic KL Ho, Dr Duangthip Duangporn

**The Problem**
Alzheimer’s disease is the most common type of dementia and accounts for 50%-75% of all dementia cases. In Hong Kong, one in every three people older than 85 years has dementia, and therefore possibly Alzheimer’s disease. The number of affected people is expected to keep growing, given lengthening lifespans and the ageing population. As dementia progresses, the ability to perform self-care, including oral care, deteriorates gradually. Therefore, people with Alzheimer’s disease need help with maintain their oral hygiene, such as brushing teeth and cleaning dentures.

**The solution**
People with dementia or Alzheimer’s disease would benefit from learning more about their condition and about oral health and hygiene.

Easy-to-use, step-by-step printed instructions would serve as useful daily reminders. Family members and caregivers would also benefit from understanding more about dementia and could be trained to deliver, supervise, or check routine oral health care.

**Relevant HKU knowledge**
The HKU Faculty of Dentistry has published research on the oral health status of elderly Chinese people who have dementia living in Hong Kong. Their poorer oral health status, including tooth decay (dental caries) and gum (periodontal) disease could be because of forgetting to brush teeth and clean dentures, poor cleaning technique, or long periods of having a dry mouth (xerostomia) caused by some drug treatments for dementia.

**The KE partner**
The Hong Kong Alzheimer’s Disease Association is a non-profit charitable organization that was established in 1995 by a group of medical and nursing professionals, social workers, and family caregivers. The association is a member of Alzheimer’s Disease International and an agency member of the Hong Kong Council of Social Service. Its aim is to promote dementia care to both people with dementia and their caregivers, through a day centres, in-home service, family counseling, publications, training courses, and public education programmes. As part of increasing understanding of dementia, Alzheimer’s disease, and their management, the association is keen to also provide oral health education as an important part of general health care education.
The HKU project
The project consisted of two parts: 
(1) training-the-trainers by educating 
members of the Hong Kong 
Alzheimer’s Disease Association and 
(2) delivering oral health care and 
education to people with dementia 
or Alzheimer’s disease. Throughout 
the year, four workshops and roving 
dental clinics were organized by the 
Faculty. The events were held in 
the day centres of the Hong Kong 
Alzheimer’s Disease Association, in 
Tseung Kwan O, Lok Fu, Tsuen Wan, 
and Wanchai. Participants were 
taught about risks of oral health 
problems in dementia and effective 
ways of maintaining oral hygiene 
and preventing oral diseases.

The impact
Five hundred instruction booklets in 
English and Chinese were prepared 
by the Faculty team and given to the 
workshop participants and the Hong 
Kong Alzheimer’s Disease Association 
for future distribution. A total of 72 
people with dementia or Alzheimer’s 
disease received free oral health 
checks and counselling. Of the 70 
participants giving feedback after 
the event, 97% were satisfied with 
the project and 84% said that the 
project was helpful or very helpful in 
raising their oral health awareness.
Promoting oral health in a rural village in Sri Lanka

Project: Oral health promotion from Hong Kong to the remote world: Sri Lanka
Team leader: Dr James KH Tsoi,
Team member: Prof Chun-hung Chu, Dr Fabio Salvodi

The Problem
Sri Lanka has a population of more than 20 million people but a low dentist-population ratio of 1:12500, compared with the World Health Organization’s standard ratio of 1:2000. Rural villages have particularly poor access to dental health services. Although Sri Lanka has a team of government dental surgeons working in these areas, the childhood burden of tooth decay (dental caries), gum (periodontal) disease, and hardened plaque (calculus) is high. Governmental health and oral health programmes are not yet high priorities, and there is no national “healthy food” policy. Children are even often provided with high-energy and sugary food items, such as toffees, chocolates, and biscuits, by foreign aid organizations.

The solution
A Faculty team proposed to partner with a local university team and a local charity to hold a 1-day clinic in a rural village to promote healthy habits and good oral health. At the same time, the Faculty team would discuss the latest evidence and recommended guidelines for oral health promotion with staff of the local university and charity, so as to offer direction for future community initiatives and campaigns.

Relevant HKU knowledge
Members of the HKU Faculty of Dentistry have published research on the unmet oral health needs of people living in rural areas, such as Bulang in southwest China, rural regions in China where ethnic minorities live, and villages in Myanmar. The Faculty is thus experienced in helping dentists to assess the situation in a Sri Lankan village. In addition, Faculty teaching includes the latest evidence-based methods of clinical and experimental treatments such as dental pulp regeneration and use of digital dentistry, which may not be widely known by dentists in Sri Lanka.
The KE partner

Through the networks of staff and postgraduates of the Faculty, assistance was sought from Prof Ruwan D. Jayasinghe, Professor in Oral Medicine and Radiology and Specialist Head of the Department of Oral Medicine and Periodontology, Faculty of Dental Sciences, University of Peradeniya, Sri Lanka. The two partners in this project were the University of Peradeniya and a volunteer organization called the Wedasara Foundation. They identified several rural villages in need of help, namely, Ana/Wimalarathna Kumaragama Maha Vidiyalaya, Thalgasewa, and Anamaduwa.

The HKU project

The project consisted of two parts: (1) training-the-trainers through a knowledge exchange day held with dentistry-related staff of the University of Peradeniya and Wedasara Foundation, and (2) delivering oral health care and education to villagers. Activities at the village event comprised comprehensive oral health screening for children and adults, oral cancer prevention seminar for adults (many people use tobacco and chew areca), oral health education for children, and oral check-ups with emergency surgical and restorative treatments.

The impact

The 50 attendees of the professional engagement activity said they appreciated learning about pulp regeneration and stem-cell technology, digital dentistry during prosthodontic restoration, and problem-based learning methodology. They also said they would likely adopt the Faculty’s technology and philosophy in their teaching and daily practice. More than 500 villagers attended the rural clinic, and several adults who potentially had oral cancer were sent to the university dental hospital for immediate treatment. After this project, the Wedasara Foundation and University of Peradeniya have been discussing ways of educating foreign donors about healthy food choices for children and donating healthy foods in the future.
Implant information
Faculty produces accurate and understandable guidelines on dental implants

**Project:** Development of an evidence-based information booklet for patient education on dental implants

**Team leader:** Dr Nikos Mattheos

**Team member:** Dr Jie Yao

**The Problem**
Dental implants are permanent dental replacements that are screwed into the jaw bone. Patients or prospective patients currently lack accurate information about dental implants, relying on general Internet or advertising materials. At the same time, they cannot understand academic research papers in peer-reviewed journals. What they need is easy-to-understand and impartial information that is based on research evidence, available in their own language, and accessible in different formats (print, online, mobile).

**The solution**
When people are considering replacement of missing teeth with dental implants, they require simple, concise, and evidence-based quality information. In particular, the information must help them make decisions about their treatment, improve the quality and outcomes of clinical care, prevent disease and risk behaviours, and promote self-care through encouraging the patient's active participation. The development of such information, in understandable and convenient formats, depends on performing a critical assessment of the available evidence in the scientific peer-reviewed literature, according to established international standards.

**Relevant HKU knowledge**
Members of the HKU Faculty of Dentistry have performed a systematic literature review on patients' expectations regarding dental implants. The review found that the quality of information available to patients is a critical factor towards the development of their understanding and expectations of implant treatment. Currently available information on dental implants is biased or of doubtful quality, which will lead to misperceptions and unrealistic patient expectations. In addition, a focus group interview of patients revealed that most patients find it difficult to access the information they need. Hence, there is a need for evidence-based and user-friendly educational information on implants.
The KE partner
The KE partners for this project were the Hong Kong Dental Association; Stomatological Hospital of Jiangsu Province, Nanjing Medical University; Stomatological Hospital of Xuzhou, Xuzhou Medical University; and West China Hospital of Stomatology, Sichuan University. Representatives of these professional and educational establishments were consulted to formulate a set of patient guidelines on implants. The guidelines aim to help the public and potential patients in Hong Kong and beyond, patients of public and private dental clinics in Hong Kong and elsewhere, and international audiences.

The HKU project
The Faculty team produced evidence-based and quality-assured booklets in print and online, in English and Cantonese/Mandarin, and with appropriate illustrations/animations, in accordance with International Patient Decision Aid Standards. The booklets were designed to support patients seeking well-informed decisions when seeking treatment with dental implants. From the information in the booklet, a protocol for patient education was also developed in consultation with the Hong Kong Dental Association, at an event called “What do patients expect from dental implants? Perceptions, misperceptions and essential communication strategies”. The protocol will be used by clinicians in Hong Kong and mainland China prior to implant consultations.

The impact
An evidenced-based patient education booklet in English and Chinese was produced (6600 copies), and a free smartphone/tablet app was also produced. Two hundred members from the Hong Kong Dental Association took part in the discussion event to formulate the patient education protocol, which is being distributed to clinics in Hong Kong and mainland China. The effectiveness of the booklets and patient education protocol will be tested, with the possibility of other translations in the future. Their use as patient decision tools is expected to empower patients to share responsibility of treatment decisions and maintenance; reduce misunderstanding, misperception, and dissatisfaction with treatment outcomes; reduce incidence of overtreatment and patient anxiety prior to treatment; and improve self-efficacy and engagement in maintaining oral health.
Empowering elders
Faculty takes dentistry to elderly populations in Hong Kong

**Project:** Empowering a non-governmental non-profit organization to deliver primary oral care to citizens in Tai Po, Sham Shui Po, and Kwai Hing

**Team leader:** Dr Mike YY Leung

**Team member:** Prof Chun-hung Chu, Dr Dominic KL Ho

**The Problem**
The elderly in Hong Kong are a neglected group, yet the population is continually ageing. In some regions, the elderly often live in public housing estates, have a low education level, and find it difficult to reach or afford oral health care. Such areas include Sham Shui Po, Tai Po, and Kwai Hing. These areas are densely populated and are home to some of Hong Kong’s oldest residents. Moreover, Kwai Hing is part of the Kwai Tsing district, which has the third least educated residents in Hong Kong and where the household income is below average. Without affordable oral health care, the elderly will experience tooth loss and consequently poor nutrition and poor general health.

**The solution**
On the basis of a previous HKU KE Project, a Faculty team proposed to partner with Project Concern Hong Kong. The project in 2104-15 aimed at using the special buses of this charity to provide a mobile dental service for new towns in Hong Kong. This project proposed to use their buses to reach "old towns" and especially their elderly residents.

**Relevant HKU knowledge**
The HKU Faculty of Dentistry dedicated research programme called Public Health and Healthy Ageing. As such, many staff have published research on the oral health status of the city’s elderly population. The Faculty has also conducted research into the simple and non-invasive treatment of silver diamine fluoride (SDF) application to control tooth decay (dental caries) in populations that are most prone to decay, such as children and the elderly.
The KE partner

Project Concern Hong Kong offers dental services to poor and needy people. It has three special buses that form a mobile dental clinic service for underserved populations in Hong Kong. Its clinical services had focused on tooth extractions and fillings, but the Faculty has been helping the charity to add a preventive and primary care angle. A previous HKU KE Project had helped charity staff to learn how to educate people in new towns about oral disease prevention, as well as how to apply SDF to stop early-stage caries. In this project, a Faculty team helped Project Concern Hong Kong extend these services to elderly residents, teaching their staff how to diagnose early-stage caries and to apply SDF in elderly patients.

The HKU project

Three whole-day “Love and Clean Teeth” fairs were coorganized by the Faculty and Project Concern Hong Kong, in public housing estates in Sham Shui Po, Tai Po, and Kwai Hing. The local district councilors were asked to nominate the estate, publicize the event, and also invited to attend and open the event. In addition to taking part in games promoting oral health, both children and adults were offered free dental examinations and emergency oral care, with senior citizens given priority. Topical SDF was applied to the surface of teeth affected by early-stage caries, and carers of the elderly were given oral hygiene and healthy diet tips.

The impact

Six hundred and eight people attended the oral health fairs, of whom 90% said they found the fair to be helpful or very helpful in raising their oral health awareness. Two thousand oral health leaflets were handed out to the participants to use as a reference source at home. Trainees at Project Concern Hong Kong who helped with the adult check-ups said they gained valuable experience in conducting dental examinations and providing clinical treatment and health education in a community setting, especially for elderly patients. The district councilors of Kwai Tsing and Sham Shui Po said that this project was effective in enhancing the oral health knowledge of residents and improving their oral health status.
A reason to smile

Team leader: Prof Cynthia KY Yiu
Student leader: Mr Man Arthur

The Problem
The importance of diet and oral hygiene practices is not fully realized in our community, especially in minority groups (including those with intellectual disabilities). These individuals may not have the mindset to commit to dietary changes, as well as to proper and habitual oral hygiene practices, leading to development of dental diseases. This not only affects their well-being, but also their quality of life.

The Solution
Intellectually disabled adults and their caretakers can be instilled with dietary knowledge that promotes a healthy oral condition. They can also be taught, through entertaining interactive activities and demonstration, appropriate oral hygiene techniques. This allows them to not only have an enjoyable time while learning about oral hygiene, but also to teach the caregivers how to help brush their teeth adequately.

The Action
With support from the HKU Service 100 Fund, two Faculty students organized an event at St. James Settlement to raise awareness on the importance of diet and to teach oral hygiene practices. As part of a fun experience, T-shirts and paint were supplied for the participants to decorate with dental-themed art.
Creating brighter smiles

Team leader: Dr Mike YY Leung
Student leader: Ms Ashley SM Lau

The Problem
Many less fortunate demographics including migrant workers, and those in less privileged communities often encounter multiple health risks, compounded by poor access to health care and poverty resulting in a reduced quality of living. Dental health unfortunately becomes a low priority, increasing the probability of poor oral health behaviors and risk of oral complications.

The Solution
Any solution to a problem is preventing its occurrence. Integrating oral health facts in games, and starting at an early age with parents equipped with proper oral hygiene cleaning methods can help to develop healthy habits for a healthy mouth. Basic oral examination screening also increases an individual’s awareness of their oral health condition, thereby increasing the effectiveness of dental education through personalized means. However, under circumstances where dental decay is already present, early lesions can be managed with topical fluoride application or simple fillings.

The Action
With the support from HKU KE Fund and the Young Oral and Maxillofacial Surgeon Group of Hong Kong (YOMS), Dentice, a committee consisting of undergraduate students, were able to organize two successful day events in Hong Kong and a four-day service-trip to Kunming China. Dental knowledge, basic examinations, fluoride application and the atraumatic restorative technique were delivered to over 180 migrant workers in Hong Kong and over 350 Kunming adult and children. Aside from our dental service endeavors, we hope we were able to deliver care to communities that tend to be overlooked and to inspire our fellow dental students to do the same.
Preschool children
Oral health promotion to preschool children

Team leader: Prof Edward CM Lo
Student leader: Ms Samantha Chu

The Problem
Caries is one of the most common oral diseases that children face. According to the Oral Health Survey 2011, over half of the 5 year olds suffer from dental caries in Hong Kong. Preschool children in Hong Kong currently are not covered under the school dental care service. Thus, we would like to, through this project, help them establish a better start to effective oral hygiene maintenance.

The Solution
Oral hygiene education is of paramount importance to tackle the root of problem. Mass media promotion may be effective to raise the awareness of the parents as well. Meanwhile, preschool children should be encouraged to receive dental check-ups regularly.

The Action
With the support of the HKU Service 100 fund, several dental students organized a service project to provide parental talks and dental check-ups for preschool children. Topics such as toothbrushing skills, common parafunctional habits, caries and dietary habits were discussed in the talk. In addition, current dental conditions of the children were updated to parents.
Muslims in HK
Oral health status of Muslims in Hong Kong

Team leader: Prof Colman McGrath
Student leader: Dr Muhammad Zakir

The Problem
Unfortunately, people from ethnic minority communities and those of different faiths often have poorer oral health. This in part has been attributed to difference in oral health knowledge, oral health attitudes and behaviours; or indeed discrimination. Often oral health promotion activities and services are delivered with little understanding of cultural and faith values leading to inappropriate and ineffective programmes. Moreover, oral health literacy tools to support and enable people of different faiths and ethnicity to access health information and services are limited.

The Solution
A team of postgraduate students and faculty staff can develop oral health literacy tools for, and with, people from ethnic minority communities and those of different faiths living in Hong Kong. This can help develop personal skills, foster community participation and engagement, create more supportive environments, and reorientation services towards individuals and communities that are different. Moreover, it offers an opportunity for postgraduate students and staff to learn and appreciate cultural and faith difference and practices.

The Action
With the support of HKU SERVICE 100 Fund, a team of faculty postgraduate students under the mentorship of Faculty staff conducted an oral health programme at the Kowloon Mosque and Islamic Centre. This involved developing in partnership, faith and ethnic appropriate oral health literacy tools. Following on, an open-day for oral health screening and oral health promotion activities was organised. Follow-up and short-term evaluation of the oral health literacy tools and programme were evaluated and deemed helpful by the community and postgraduate students. Further follow-up is warranted.
Better teeth & health
Better teeth, better health

Team leader: Dr James KH Tsoi
Student leader: Ms Jasmine Wong

The Problem
Despite the important role that foreign domestic helpers play in supporting Hong Kong’s society, they are faced with many barriers that prevent them from accessing adequate dental care. Furthermore, the stress of living in this fast-paced city away from their families means that they may neglect their oral health and place dental hygiene at a lower priority. As a result their oral health is often poor, which negatively affects their quality of life.

The Solution
Raising awareness of the importance of oral health and educating foreign domestic helpers on how to maintain good oral hygiene would enrich their dental knowledge and help them prevent further dental decay and periodontal disease. Moreover, informing them of their current oral status would allow them to take early action if any oral issues require prompt treatment.

The Action
With support from the HKU KE Fund, under the mentorship of staff and in partnership with Helpers For Domestic Helpers, a group of BDS students was formed to organise two events that provided free oral examinations, dental education and oral hygiene instructions for foreign domestic helpers. Souvenirs comprising of oral hygiene tools were also distributed for free to the participants to encourage better care for their oral health.
Dental outreach project
Dental outreach project to special-need groups in Nanning and Liuzhou, Guangxi, Mainland China

**Team leader:** Dr Gloria HM Wong  
**Student leader:** Ms Phoebe PY Lam

**The Problem**  
According to a study in 2005, over 60% of 3-5 year-old children in Guangxi had caries experience and 9-13% of have rampant caries. The caries severity of the special need children in poor families can be even greater, as they cannot afford dental treatment or put it at a lower priority to general health. Enhancing the oral health of the people in China, especially people with special needs, monitoring and improving their oral health play an important part to success.

**The Solution**  
Promoting oral health awareness of the caretakers and teachers of the children with autism and cerebral palsy in Guangxi, and providing preventive dental treatments to the children with special needs. In addition, enhancing their knowledge and techniques in taking care of the children’s oral health and thus enable them to provide a sustainable oral care to the special-need groups.

**The Action**  
With the support of the HKU Service 100 fund, several dental students organized a service project to provide oral hygiene workshops and talks. The topics include: the importance of primary and permanent dentition; tips on choosing toothbrush and toothpaste; Oral hygiene instructions to children with cerebral palsy; Dietary advice. In addition, home visiting the families have children with special need in rural China to show love and care to them.
**FACULTY STAFF IMPACT PROJECTS**

**2010-11**
Enhancing Student Learning of Biological Sciences Through Capacity Building of Secondary School Science Teachers, Prof Edward CM Lo (leader), Prof LP Samaranayake, Dr CJ Seneviratne, Dr XL Gao, Dr S Bridges, Prof LJ Jin

Making an Impact: Oral Health Literacy for Community Dentistry, Dr Susan Bridges (leader), Prof Cynthia KY Yu, Dr HM Wong, Prof C McGrath, Prof TKF Au

**2011-12**
Oral Health Promotion Program in Young Children Through an Evidence-based Primary Prevention Approach, Prof Chun-hung Chu (leader), Prof ECM Lo, Ms Chun-wing Ng, Ms Gloria Liu; KE partner: HK Christian Service

Enhancing Science Knowledge and Skills of Secondary School Students using ‘Dental Sciences’ Examples, Dr CJ Seneviratne (leader), Prof Edward CM Lo, Prof LP Samaranayake, Dr XL Gao, Dr S Bridges, Prof LJ Jin; KE partner: Hong Kong Association of Science and Mathematics Education

**2012-13**
Oral Health Education Kit for Orthodontic Patients, Dr Ricky Wing Kit Wong (leader), Dr Yanqi Yang, Dr Alexander Tin Hong Tang; KE partner: HK Society of Orthodontists

**2013-14**
Empowering Kindergarten Teachers and Parents to Deliver Oral Health Education to Young Children, Prof Chun-hung Chu (leader), Dr Xiaoli Gao, Prof Edward CM Lo, Prof Cynthia KY Yu, Dr Gillian HM Lee; KE partner: Po Leung Kuk Tung Wah Group of Hospitals, Colgate-Palmolive (Hong Kong) Limited

**2014-15**
Empowering a Non-governmental Non-profit Organization to Deliver Primary Oral Care to Tung Chung citizens, Prof Chun-hung Chu (leader), Dr Mike YY Leung, Dr Dominic KL Ho, Dr Lei Mei, Dr Amy WY Wong, Dr Cisy SC Tsang; KE partner: Project Concern Hong Kong, Colgate Palmolive Hong Kong

Promoting Oral Health and Preventing Tooth Decay in Nursery Children, Dr Gillian HM Lee (leader), Prof Colman McGrath, Prof Cynthia KY Yu; KE partner: Tung Wah Group of Hospitals

**2015-16**
Empowering a Non-governmental Non-profit Organization to Deliver Home-oral Care to the People with Alzheimer’s Disease and their Caregivers

Prof Chun-hung Chu (leader), Prof May CM Wong, Dr Katherine CM Leung, Dr Dominic KL Ho, Dr Duangthip Duangporn; KE partner: Hong Kong Alzheimer’s Disease Association

Development of an Evidence-based Information Booklet for Patient Education on Dental Implants, Dr Nikos Mattheos (leader), Dr Jie Yao; KE partner: HK Dental Association, Stomatological Hospital of Jiangsu Province, Nanjing Medical University, Stomatological Hospital of Xuzhou, Xuzhou Medical University, West China Hospital of Stomatology, Sichuan University

Empowering a Non-governmental Non-profit Organization to Deliver Primary Oral Care to Citizens in Tai Po, Sham Shui Po, and Kwai Hing

Dr Mike YY Leung (leader), Prof Chun-hung Chu, Dr Dominic KL Ho; KE partner: Project Concern Hong Kong, Colgate Palmolive Hong Kong

Oral health promotion from Hong Kong to the Remote World: Sri Lanka, Dr James KH Tsoi (leader), Prof Chun-hung Chu, KE partner: Jingmei Dong’s Wangchuck National Referral Hospital

**2016-17**
Assessing the Impact and Potential for Scale-up of the HKU Preschool Oral Health Program on Kindergartens, Preschool Children and Parents, Prof Chun-hung Chu (leader), Prof ECM Lo, Dr Duangthip Duangporn; KE partner: Po Leung Kuk, Tung Wah Group of Hospitals, Hong Kong Christian Service, The Baptist Convention Hong Kong

Expanding Impact and Strengthening Networking with a Non-governmental Organization to Improve Oral Health of Hong Kong Citizens,

Dr Dominic KL Ho (leader), Dr Mike YY Leung, Prof Chun-hung Chu, Dr Duangthip Duangporn; KE partner: Project Concern Hong Kong, Colgate Palmolive Hong Kong

Empowering a Local Non-governmental Organization to Prevent Oral Cancer Amongst People at Risk in Sri Lanka, Prof Han-sung Jung (leader), Dr DJ Epasinghe, Prof Chun-hung Chu; KE partner: "Wedasara" Foundation

Delivering Oral Care Knowledge to Ethnic Minority Elders in Hong Kong, Dr Katherine CM Leung (leader), Prof Colman McGrath; KE partner: Health Connection

Empowering a Non-governmental Non-profit Organization to Deliver Oral Home Care and Promote Awareness of Dementia in Elderly Care Centers,

Dr Katherine CM Leung (leader), Prof Chun-hung Chu, Dr Dominic KL Ho, Dr Duangthip Duangporn; KE partner: Hong Kong Alzheimer’s Disease Association

"Professional Dental Product Review" for Hong Kong Dentists, Dr James KH Tsoi (leader)

**FACULTY STUDENT KE PROJECTS**

**2011-12**
Promotion of Children’s Oral Health Through Knowledge-building Among Ante-natal Women, Dr Yanqi Yang (mentor), Miss Candy Kwan-ning Ma (student leader), Stephanie Yuen-ting So, Joseph Yau-sing Wong, Alex Pui-cheung Lee, Chao Zhong; KE Partner: Tsan Yuk Hospital

Bridging Dentistry with Secondary School Science in Hong Kong, Dr C Jayampath Seneviratne (mentor), Miss Shirley Ching-ching Kot (student leader); KE Partner: Hong Kong Federation of Youth Groups

**2012-13**
On Becoming Babywise: Oral Health Knowledge Education Among Parents,

Dr Yanqi Yang (mentor), Miss Janet Sei-min Chan (student leader), Tiffany Chi-lok Chan, Chao Zhong; KE Partners: Eugene Group, Colgate-Palmolive HK Ltd

Management of Jaw, Face, and Dental Trauma-Educational Campaign for Primary and Secondary School Teachers, Dr Mike YY Leung (mentor), Prof Gary SP Cheung (mentor), Prof Lim K Cheung (student leader), Eric Ho Yin Chan, Ronald Yik Long Chan, Iris Ngai Yu Cheung, Steve Lut Ting Lam, Jasmine Yee Lok Lam, Ruby Sze Tung Li, Chau Pang Poon, Serena Wai Ling Tse, Dr Amelia WT Cheung, Dr Edith SS Ho, Dr Mary SH Lam; KE Partners: Anglican (Hong Kong) Primary Schools Councils, Hong Kong Council for Educational Administration

**2013-14**
Getting to Know More: Oral Health Consultations for Kindergarten Children and Their Parents,

Dr Yanqi Yang (mentor), Miss Wai-ling Tse (student leader), Sze Tung Li, Yee Lok Lam, Mei Yan Liu, Pui Kwan Kwok, Tsz Yan Li, Kenneth Kai Hay Yung, Shing Chi Chan, Oi Tung Wong, Melissa Rachel Fok, Tai Fai Tse, Janet Sei Man Chan; KE Partner: Hong Kong Society for the Protection of Children

Giving an Identity to Undocumented Children in Chennai, India, Dr Gloria HM Wong (mentor), Dr Jayakumar Jayaraman (student leader); KE Partner: India Lutheran Development and Relief Agency
Oral Health Promotion Among Homeless People in Hong Kong, Prof Chun-hung Chu (mentor), Miss Shinan Zhang (student leader), Brian Hu Shing Kwok, Hwee Hsia Ong, Ngai Yu Cheung, Kay Shuen Chan, Jasmine Tak Kar Law, Ming Ho Chan, Wing Kai Wu, Chi Wai Yui, and Ming Chak Lee; KE Partner: St Barnabas' Society and Home

Disclosing the Truth in Your Mouth, Prof Cynthia KY Yu (mentor), Mr Nichol Chu-ren-wai Tsang (student leader), Sin Yi Chan, Chi Yi Ho, Ming Kong Kwok, Yan Yee Lai, Ken Jean Lew, Ching Yeung Lui, Lyndon Edviano Loo, Pui Ying Mak, Yingya Pu; KE Partner: The Independent Schools Foundation Academy

Management of Jaw, Face and Dental Trauma: Educational Campaign for School Teachers, Dr Mike YY Leung (mentor), Prof Gary SP Cheung (mentor), Prof Lim K Cheung (mentor), Miss Tiffany Chi-lik Chan (student leader), Karen Shun Ka Lee, Christine Shuk Kwan Tse, Mandy Shek, Echo Ying Yee Chan, Wilson Shun Wai Au, Judith Lui Tam, Jimmy Man Ho Chau, Annie Wing Ki Leung, Dr Mai Man Chong, Dr Dian Tik Shun Li, Dr Mei Nee Tan, Dr Fong Siew Han, Dr Lizen Tang, Dr Bosco Sheung Yu Hui, Dr Ming Yin Leung, Dr Kelvin Tai Yin Ng, and Dr Kailing Siew; KE Partner: Anglican (Hong Kong) Primary Schools Councils

Updates on First Aid Management of Maxillofacial and Dental Trauma, Dr Winnie WS Choi (mentor), Miss Chemie Cheuk-yiu Hung (student leader), Dr Alvin Yue Hin Kung, Dr Karen Kar Yan Lai, Mr Chris Ming Ho Chan, Chris Tat Chun Fok, Crystal Rui Wang, Andy Kwan Loe Tse; KE Partners: Hong Kong St John Ambulance and the Auxiliary Medical Services Christian Fellowship

Oral Health Promotion to the Disabled, Dr Dominic KL Ho (mentor), Miss Stephanie Wong (student leader), Carolle Kar Po Mok, Ming Ching Ngan, Venus Ho Ching Kwok, Sin Bo Chu, Wing Tak Lai, Chun Kit Yip, Chak Fai Yu, Chloe Hor Ching Lee; KE Partner: Hong Kong Rehabilitation Power

Teeths for Life: Prevention and Replacement of Missing Teeth, Dr Katherine CM Leung (mentor), Mr Chun-pang Poon (student leader), Teresa Cheuk Yu Ho, Ling Man Wong, Ho Yin Chan; KE Partner: Hong Kong Professional Teachers' Union

Development of an 'App' for Oral Self Care Among Chinese Children, Prof Colman McGrath (mentor), Miss Teresa Cheuk-yu Ho (student leader), Raechelle Koh, Chun Pang Poon; KE Partner: CCC Kei Faal Primary School (Yau Tong)

Be an Oral Healthy Musician: Dental Engagements with Chinese Wind Instrument Players, Dr James KH Tsoi (mentor), Miss Jasmine Wong (student leader), Miss Yon Jun Yu, Madeline, Mr Li Ching Nim Gibson, Mr Ng Yu Tung Tom, Dr Karen Tan, Dr Karen Leung, Miss Lai Tszan, Miss Leung Siu Hang, Miss Liying Lu; KE Partner: New Tune Music Association

FACULTY STUDENT SERVICE100 FUND (INCORPORATING THE STUDENT KNOWLEDGE EXCHANGE PROJECT GRANT) PROJECTS

2012-13

Oral Health Promotion in Yunnan, China, Prof Chun-hung Chu (mentor), Miss Shinan Zhang (student leader), Carolle KP Mok, Si-ding Pang, Miss Lam Pui Ying Phoebe, Jessica KK Leung, Dr Ying Cao, Dr Chenghui Jiang; KE Partner: Colgate-Palmolive HK Ltd

2013-14

“Dentist-to-be, Service to Thee, Hunan Project 2014, Dr Mike YY Leung (mentor), Miss Ka-yarn Cheung (student leader), Miss Lam Pui Ying Phoebe, Andy Kate Wong, Min-yam Lam, Carolle Mok, Pui-tung Lai, Walter KC Lam, and Yee-shan Lin; KE partner: Mercy Field Home

2014-15

Aiding Age Estimation for Orphans in Guangxi, Mainland China, Dr Gloria Wong (mentor), Miss Lam Pui Ying Phoebe (student leader), Miss Ka-yarn Cheung, Mr Kit Lee, Mr Ka-lai Wong

Oral health promotion for local South Asian families, Prof May CM Wong (mentor), Miss Wien Weijie (student leader), Mr Lee Kit, Mr Chan Ng Yen John, Miss Michelle Tzeieng Lau, Mr Ng Tzeieng Rye, Mr Lam Pok Man, Miss Chung Cho Kiu, Mr Wong Pak Sing, Miss Ng Ching Kiu Romaine, Miss Chan Wing Si

Oral health promotion among homeless people in Hong Kong, Prof Edward CM Lo (mentor), Miss Zhan Jingyu (student leader), Miss Yang Xinchen, Miss Suen Po Chu Rita, Miss Leu Shuxiang, Mr Leung Siu Lun Alan, Mr Choy Hung Bun

Dental Examination and Oral Health Education for The Visually Impaired Students, Dr Peter Tsang (mentor), Miss Cheng Wai Chi (student leader), Miss Man Chin Wing Vanessa, Miss Lee Yi Yan Seria, Lam Vanessa, Mr Chan Timothy Ying Ho, Mr Mak Chung Kar, Mr Kwan Devin Chun Yue, Miss Lee Su Hua, Mr Wong Siu Hin, Miss Hung Yuan Man, Miss Tang Ka Hei, Miss Hei Nok Joelyn Fan, Miss Lin Yee Shan, Mr Lau Chi Yan, Mr Tai Pak Chuen

A Reason to Smile, Prof Cynthia Ky Yu (mentor), Mr Arthur Man (student leader), Chiu Hiu Chun Hilton

CLOSER, Cultivating Life-long Oral Healthcare among Students and Elderly Residents, Dr Leung Katherine Chu Man (mentor), Mr Liu Chi Hei Franketh (student leader), Miss Lee Hi Hung, Miss Lee Nicole Ann, Mr Lai Chin Hung Gerdle, Mr Ho Ka Leung, Mr Chan Yung Dick, Miss Choy Yuen Chi Jessica, Miss Sharon Kueh Ling Ling, Mr Ng Yin Leung Nicholas, Mr Fok Tat Chuen, Miss Wong Huen Chun, Miss Law Tak Kar Jasmine

2015-16

Dental Outreach Project to Special-need Groups in Nanning and Luzhou Guangxi, Mainland China, Dr Gloria Wong (mentor), Miss Lam Pui Ying Phoebe (student leader), Miss Cheung Ka Yan, Mr Leung Yat Fung, Mr Wong Ka Fai

Creating Brighter Smiles, Dr Mike YY Leung (mentor), Miss Ashley Lau (student leader), Dr Chan Lue Hang Joshua, Mr Wong Kam Wing Derian, Mr Ho Li Kwan Ben, Mr Lam Kwong Chuen Wailter, Miss Tang Ka Hei Cheor, Mr Wong Siu Hin Louis, Miss Cheung Ka Yan; KE partner: Mission for Migrant Workers, Bethune House, Heart to Heart Community Care

Better Teeth, Better Health, Dr James KH Tsoi (mentor), Miss Jasmine Wong (student leader), Miss Yon Jun Yu, Madeline, Mr Li Ching Nim Gibson, Mr Ng Yu Tung Tom, Miss Lai Pui Tung Tracy, Miss Ho Chiu Yi Tracy; KE partner: Helpers for Domestic Helpers

Oral Health Promotion to Preschool Children, Prof Edward CM Lo (mentor), Miss Chu Samantha (student leader), Mr Chan Lue Hang, Miss Fong Wing Yan Katelyn, Miss Lau Yee Ting, Mr Mak Chung Kan, Miss Shum On Ki, Miss Tam Lok Yan, Miss Tsang Hau Tung; KE partner: Hong Kong Christian Service Pario Education Centre

Oral Health Status of Muslims in Hong Kong, Prof Colman McGrath (mentor), Mr Muhammad Zakir (student leader), Mr Umer Daood, Mr Usman Ashraf, Mr Abrar Khawaja, Mr Zhang Jaguan, Mr Awar UI Hae, KE partner: Kowloon Mosque and Islamic centre

2016-17

Cheerful Smiles Outreach Program, Prof Edward CM Lo (mentor), Miss Chu Samantha (student leader)

Smiles Through the Ages, Prof Colman McGrath (mentor), Mr Arthur Man (student leader)

Stop Tooth Decay in Hong Kong kindergarten Children, Prof Chun-hung Chu (mentor), Miss Gao Shiqian (student leader)

For previous Faculty Staff Impact Projects, please see the booklet “Making an Impact”; for more details on all projects, please visit: <http://facdent.hku.hk/docs/2013/KE_Brochure2013_Final.pdf>