



SBS

Social and Behavioral Sciences
HARVARD T.H. CHAN SCHOOL OF PUBLIC HEALTH

newsletter

SUMMER 2016

LETTER FROM THE CHAIR

Dear SBS community,

School's out. Congratulations to the graduating class of 2016, and all the teaching award winners and student prizes from our Department (please see page 5 of the newsletter). Your recognition is an inspiring reminder of our Department's commitment to excellence in teaching and community service.

Please enjoy the summer – and don't forget sun-screen! See you all in the Fall.

Meanwhile our dedicated administrative staff will be holding down the fort over the summer and planning some exciting initiatives for the Fall.

Best wishes,
Ichiro

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Lee Kum Sheung Center for Health and Happiness



Members of the Lee Kum Kee family with Ichiro Kawachi, Acting Dean David Hunter, Laura Kubzansky and Vish Viswanath.

On May 11th the Lee Kum Kee family was joined by Acting Dean David Hunter, Ichiro Kawachi, co-directors Laura Kubzansky and Vish Viswanath and the Harvard Chan community in celebrating the opening of the [Lee Kum Sheung Center for Health and Happiness](#). The official opening was recognized by a reception, ribbon-cutting ceremony and luncheon.

The Center for Health and Happiness will support rigorous science that explores the interplay between positive psychological well-being, positive social environments, and physical health. The Center was made possible through a generous donation of over \$21 million by the Lee Kum Kee family. Co-directors Laura Kubzansky and Vish Viswanath are excited to get started.

“To initiate the work of the Center, we will be launching several research projects that include examining the relationship between positive psychological well-being and cardiovascular

health, the effects of mindfulness on health and well-being of children and the role of health communication in physical and psychosocial well-being.

In the coming academic year we expect to have an “academic launch” for the Center with a day-long symposium exploring key topics in the field, and we will also launch a regular seminar series open to the Harvard community, as well as organizing other activities specific to the Center.”

To learn more about the Center please visit <https://www.hsph.harvard.edu/health-happiness/> for regular updates or email our Center Administrator Natasha Rossi (nrossi@hsph.harvard.edu) for information on how you can get involved!



LEE KUM SHEUNG
CENTER FOR
HEALTH AND HAPPINESS

Congratulations to two SBS faculty members

On May 19, 2016 the Beth Israel Deaconess Medical Center Department of Neonatology announced the inauguration of the Marie C. McCormick Lectureship in Neonatal Health Services Research and Epidemiology. This award honors the many achievements and contributions of Dr. Marie McCormick.




Photo credit: Danielle Duffey/BIDMC



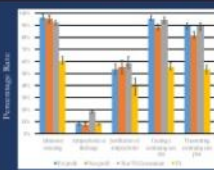
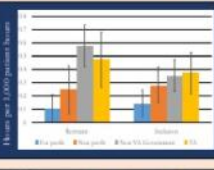
Cassandra Okechukwu, SD '08 has been promoted to Associate Professor. She joined the Department in 2010 after completing the Robert Wood Johnson Health and Society Scholar program.

Dr. Okechukwu seeks to bring a radically more comprehensive view of occupational health to public health research. Her research program has focused on identifying current disconnects between the prevailing research discourse and actions needed to improve the health of the working-class population.

Morgan Shields a Top 10 Finalist for Best Student Paper



Hospital Ownership Predicts Quality of Inpatient Psychiatric Care
Morgan Shields, MSc & Meredith Rosenthal, PhD
Harvard T.H. Chan School of Public Health

<p>Introduction</p> <ul style="list-style-type: none"> Public reporting of hospital quality has been an important component of value based purchasing in the United States, though an opportunity to improve psychiatric care is lagging. In 2005, The Joint Commission established the Hospital Board Reporting Practices for mental (HBIPPS) measures set and have issued existing data publicly available. To our knowledge, there exists no other published analysis of the HBIPPS measures and their in-hospital receipt, including quality of inpatient psychiatric care treatment. 	<p>Table 1: Simple correlation between HBIPPS measures</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>HBIPPS</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr> <td>HBIPPS-1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>HBIPPS-2</td> <td>0.09*</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>HBIPPS-3</td> <td>0.08*</td> <td>0.08*</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>HBIPPS-4</td> <td>0.09*</td> <td>0.07*</td> <td>0.09*</td> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>HBIPPS-5</td> <td>0.09*</td> <td>0.08*</td> <td>0.07*</td> <td>0.09*</td> <td>1</td> <td></td> <td></td> </tr> <tr> <td>HBIPPS-6</td> <td>0.09*</td> <td>0.08*</td> <td>0.07*</td> <td>0.09*</td> <td>0.09*</td> <td>1</td> <td></td> </tr> <tr> <td>HBIPPS-7</td> <td>0.09*</td> <td>0.08*</td> <td>0.07*</td> <td>0.09*</td> <td>0.09*</td> <td>0.09*</td> <td>1</td> </tr> </tbody> </table>	HBIPPS	1	2	3	4	5	6	7	HBIPPS-1	1							HBIPPS-2	0.09*	1						HBIPPS-3	0.08*	0.08*	1					HBIPPS-4	0.09*	0.07*	0.09*	1				HBIPPS-5	0.09*	0.08*	0.07*	0.09*	1			HBIPPS-6	0.09*	0.08*	0.07*	0.09*	0.09*	1		HBIPPS-7	0.09*	0.08*	0.07*	0.09*	0.09*	0.09*	1	<p>Graph 1: Mean with 95% confidence intervals of HBIPPS measures, excluding restraint and seclusion, by ownership.</p> 	<p>Analyses</p> <ul style="list-style-type: none"> Adjusted correlation among the HBIPPS measures using Pearson's correlation and Kendall's Tau-B. Differences in quality by ownership using ANOVA and pairwise comparisons with the post-hoc Tukey test for the outcome group, regardless of each measure. Tukey's post-hoc test indicates that non-profit and VA hospitals were significantly associated with each other, but not with for-profit hospitals.
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<p>Current Study</p> <p>We used 3 questions:</p> <ol style="list-style-type: none"> Does not fit psychiatric facilities perform on each measure? In other regions does performance on any measure predict performance on the other measure? Are there differences in quality performance by hospital ownership (i.e., for-profit, non-profit, non-Separate Administration VA, government, and VA)? 	<p>Table 2: Means, standard deviations, interquartile range of each quality measure by hospital ownership.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>HBIPPS</th> <th>Mean</th> <th>SD</th> <th>Q1</th> <th>Q3</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>HBIPPS-1</td> <td>100</td> <td>10</td> <td>90</td> <td>110</td> <td>80</td> <td>120</td> </tr> <tr> <td>HBIPPS-2</td> <td>100</td> <td>10</td> <td>90</td> <td>110</td> <td>80</td> <td>120</td> </tr> <tr> <td>HBIPPS-3</td> <td>100</td> <td>10</td> <td>90</td> <td>110</td> <td>80</td> <td>120</td> </tr> <tr> <td>HBIPPS-4</td> <td>100</td> <td>10</td> <td>90</td> <td>110</td> <td>80</td> <td>120</td> </tr> <tr> <td>HBIPPS-5</td> <td>100</td> <td>10</td> <td>90</td> <td>110</td> <td>80</td> <td>120</td> </tr> <tr> <td>HBIPPS-6</td> <td>100</td> <td>10</td> <td>90</td> <td>110</td> <td>80</td> <td>120</td> </tr> <tr> <td>HBIPPS-7</td> <td>100</td> <td>10</td> <td>90</td> <td>110</td> <td>80</td> <td>120</td> </tr> </tbody> </table>	HBIPPS	Mean	SD	Q1	Q3	Min	Max	HBIPPS-1	100	10	90	110	80	120	HBIPPS-2	100	10	90	110	80	120	HBIPPS-3	100	10	90	110	80	120	HBIPPS-4	100	10	90	110	80	120	HBIPPS-5	100	10	90	110	80	120	HBIPPS-6	100	10	90	110	80	120	HBIPPS-7	100	10	90	110	80	120	<p>Graph 2: Means with 95% confidence intervals of restraint and seclusion by hospital ownership.</p> 	<p>Results</p> <ul style="list-style-type: none"> The degree of correlation between individual HBIPPS measures was low and overall correlation was poor in VA, Nonprofit, VA, and VA were more closely associated with each other, but not with for-profit hospitals. Adjusted correlation for each measure performed the best relative to non-VA government (i.e., VA, VA, and VA) hospitals (i.e., VA, VA, VA). Nonprofit for-profit ownership performed the best relative to non-VA government (i.e., VA, VA, and VA) hospitals (i.e., VA, VA, VA). Multiple comparisons of discharge: non-profit ownership performed the best relative to non-VA government ownership (i.e., VA, VA, VA). Aggregate justification of sequestration or discharge: non-VA government hospitals performed the best relative to VA hospitals (i.e., VA, VA, VA). Costing a continuing care plan: for-profit ownership performed the best relative to non-profit (i.e., VA, VA, VA) and VA hospitals (i.e., VA, VA, VA). Preventing the continuing care plan: for-profit ownership performed the best relative to non-profit (i.e., VA, VA, VA) and VA hospitals (i.e., VA, VA, VA). Charging others did not change in significant correlation after accounting for post-hoc controls (data not shown). 								
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<p>HBIPPS Measures</p> <p>HBIPPS-1 Percentage of patients receiving an admission screening</p> <p>HBIPPS-2 Number of hours of restraint per 100 patient days</p> <p>HBIPPS-3 Number of hours of seclusion per 100 patient days</p> <p>HBIPPS-4 Percentage of patients discharged on medical orders</p> <p>HBIPPS-5 Percentage of patients discharged on medical orders</p> <p>HBIPPS-6 Percentage of patients with continuing care plan created</p> <p>HBIPPS-7 Percentage of patients with continuing care plan created by the end of care</p>	<p>DEPARTMENT OF VETERANS AFFAIRS</p> <p>TO CARE FOR HIM WHO SHALL HAVE BORNE THE BATTLE AND FOR HIS WIDOW, AND HIS ORPHAN</p>		<p>Conclusion</p> <ul style="list-style-type: none"> Each of our measures suggests that psychiatric facilities are not equally well-maintained or well-staffed. VA hospitals generally perform better on most measures and VA hospitals perform relatively well on most measures. Limitations <ul style="list-style-type: none"> Each of our measures is not equally well-maintained and requires further investigation to make them more reliable. Each of our measures is not equally well-maintained and requires further investigation to make them more reliable. Each of our measures is not equally well-maintained and requires further investigation to make them more reliable. Public reporting of hospital quality information. Current regulations are not government-regulated psychiatric facilities, especially the VA. 																																																																

"Hospital Ownership Predicts Quality of Inpatient Psychiatric Care" co-authored by Morgan Shields, SM '16 and Meredith Rosenthal, was picked as a top 10 finalist for best student poster at Academy Health. It will be further judged at the upcoming Academy Health's Annual Research Meeting on June 26-28, 2016 in Boston.

Tennessee Senate Bill 2304

The PLoS MED paper led by Nancy Krieger (co-authors: Jarvis Chen, Pam Waterman, Matt Kiang, and Justin Feldman, all in SBS), on "Police Killings and Police Deaths are Public Health Data and Can Be Counted" (Published: December 8, 2015; <http://dx.doi.org/10.1371/journal.pmed.1001915>) has now had its key proposal turned into law in the state of Tennessee (SB 2304, signed into law on April 27, 2016). The PLoS MED paper served as the basis for the bill and Krieger provided information to the legislative staff to help with its passage. Congratulations to all the authors on this tremendous achievement!

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SBS Commencement Award winners

Each year awards are presented to students, faculty, and staff at the Harvard T.H. Chan School of Public Health. Congratulations to the following SBS students and faculty who were presented with awards at this year's Commencement Eve Celebration on May 25, 2016:

- Nicole Kau'i Baumhofer - Dr. Fang-Ching Sun Memorial Award
- Jean Marie Calvo and Hillary C. Chu - The Loan Relief Awards
- Morgan Shields and Erica Tukiainen - Student Recognition Awards
- Carolyn Brooks - Teaching Assistant Award
- Reginald D. Tucker-Seeley - Teaching Citation
- Glorian Sorensen - Executive and Continuing Professional Education Excellence in Teaching Award



For a complete description of each award please visit: <http://www.hsph.harvard.edu/commencement/awards/>

2016 MCH Graduates



On May 4th 16 Maternal Child Health concentrators received certificates and t-shirts recognizing the completion of their requirements. The MCH/ CYF concentration is an interdepartmental concentration in the Department of Social and Behavioral Sciences. The goal is to improve the health of children and their families through educating leaders in Maternal Child Health.

Awards & Announcements

- **Jean Marie Calvo, MPH '16** was awarded a Predoctoral Dental Student Merit Award from the American Association of Public Health Dentistry at the 2016 National Oral Health Conference for her work in creating and implementing oral health programs for older adults at senior centers in the California Bay Area.
- **Eric Kim** was appointed to AARP and UnitedHealth Group's (UHG) joint Healthcare transformation team—a team co-led by AARP and UHG's Chief Medical Officer's. The team is an interdisciplinary group of academics, consultants, and practitioners tasked with creating innovative and scalable healthcare solutions for the nation's growing older adult population.
- **Nancy Krieger** and **Pamela Waterman** were awarded "Long-term trends in breast cancer DNA copy number alterations & disparities" (Grant number: 1R03CA193078-01A1) through the National Cancer Institute.
- **Farah Qureshi**, a third year doctoral student in the Department, received the Julius B. Richmond Fellowship at the Center on the Developing Child at Harvard University for 2016-2017 academic year.
- **Manasi Sharma**, third year doctoral student, was awarded three sources of funding for her dissertation research on Trauma and Mental Health in conflict-affected South Sudan and Liberia — 1) Harvard Medical School Center for Global Health Delivery - Dubai, Graduate Student Research Fellowship 2) Mind, Brain, Behavior Institute at Harvard University Graduate Student Award 3) Weatherhead Center for International Affairs at Harvard University, Dissertation Writing Grant.
- **Alina Schnake-Mahl** was awarded the Edward M Gramlich Fellowship in Community and Economic Development from NeighborWorks America and the Joint Center for Housing Studies for summer 2016.
- **Claudia Trudel-Fitzgerald**, a postdoc working with Laura Kubzansky, was awarded a fellowship from Fonds de Recherche en Santé du Québec, to support her ongoing work on the psychological and behavioral determinants of cancer survival among the Nurses' Health Study cohorts.
- **Benjamin Brown, MPH '16** will begin his residency in Family Medicine at the University of Utah in Salt Lake City, Utah starting in June.
- **Jean Marie Calvo, MPH '16** has accepted a position with the American Dental Education Association (ADEA) in Washington, D.C. as the Jack Bresch Legislative Intern with the ADEA Advocacy and Governmental Relations Group.
- **Catherine Duarte, SM '16** will begin a PhD program in Epidemiology at the University of California, Berkeley School of Public Health. She has been awarded the Chancellor's Fellowship by the Regents of the University of California to pursue her doctoral work.
- **Liz Janiak, SD '16** will become a Research Fellow in Obstetrics Gynecology and Reproductive Biology at Brigham and Women's Hospital / Harvard Medical School and Director of Social Science Research at Planned Parenthood League of Massachusetts.
- **Kristen Nishimi, MPH '16** will be starting the PhD in Population Health Sciences program next year here at the Harvard Chan School.
- **Morgan Shields, SM '16** will be starting a PhD in Social Policy at Brandeis' Heller School for Social Policy and Management, with a concentration in Behavioral Health and a fellowship from the National Institutes of Alcohol Abuse and Alcoholism (NIAAA). She will also work as a consultant for the Harvard Chan Office of Diversity and Inclusion.
- **Esther Velásquez, SD '16** will begin a fellowship in June at the Massachusetts Health Policy Commission working with the Accountable Care Team. She will be conducting a study to identify the availability and outcomes of treatment programs in the Commonwealth for individuals with dual-diagnosis.
- Best of luck to **Robyn Keske** and **Maria Simoneau** who submitted a project proposal to the President's Administrative Innovation Fund. Robyn and Maria's proposal is to start a Research and Program Staff Consortium supported through an interactive website and a series of meetings, trainings and networking opportunities.

Arrivals & Departures

- After 5 years in SBS working for David Williams, **Maria Simoneau** moved to the Biostatistics Department where she is now a Project Manager for a software platform and mobile app that collects research data from research participants.
- Please welcome **Natasha Rossi**, Administrator of the Lee Kum Sheung Center for Health and Happiness. Natasha comes to SBS from from Boston Children's Hospital where she worked as a Program Coordinator in the Department of Hematology/Oncology. She received her MPH from UMass Amherst in 2013.



Scott Delaney, SD '19, and his partner, Megan Marx Delaney (also a member of the Harvard Chan community at Ariadne Labs), welcomed their first child, Emmeline Adams Delaney, on March 1st



Kathryn "Kate" Barker and her partner Matt welcomed their daughter Josephine into the world on March 8th (International Women's Day). Everyone's doing well and enjoying bath time.



Jessica Davine and Geoffrey Tierney welcomed a baby girl, Hope, to the world in April. She weighed 7 lbs. 14 oz. and is a very happy baby!

This coming Fall SBS looks forward to welcoming:

- 27 new MPH-45 students
- 18 new MPH-65 students
- 6 new PHD-PHS students
- Over 50 continuing SD, MPH and SM1 students

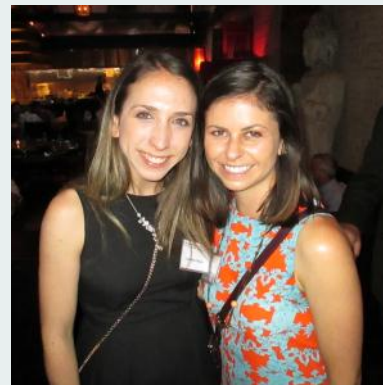
SBS Commencement Party 2016



Vaughan Rees, Adriana Perez-Ramos and Alfredo Perez-Hidalgo.



Vish Viswanath, Laura Kubzansky, Steve Gortmaker and Kafui Adjaye-Gbewonyo.



Leann Siegel and Emily Lisker.

SBS graduates celebrated with faculty, staff, family and friends at Red Lantern Restaurant and Lounge in Back Bay, Boston.



Ichiro Kawachi, Hayami Kikuchi and her fiancée Hiroki Koga.



Kau'i Baumhofer (right) and her fiancée Jon Clindaniel.

Correction: On page 6 of the Spring2 edition of the SBS newsletter we inadvertently omitted two faculty members from the Celebration with the Stars honorees. They include: Lisa Berkman and Nancy Krieger.

Questions, suggestions, ideas? Email us: sbs@hsph.harvard.edu

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