



INDIANA UNIVERSITY SCHOOL OF DENTISTRY OFFICE FOR CIVIC ENGAGEMENT ANNUAL REPORT

JANUARY/DECEMBER 2012

IUSD Goals - Civic Engagement and Service

Serve local, state, national, and international communities through partnerships involving clinical care, service-learning, and community-engaged scholarship in addition to serving the university and the profession.

IUSD Mission

Advance the oral health and general overall health of the people of the State of Indiana and others worldwide through excellence in teaching and learning, research and creative activities, patient care, civic engagement and service.

IUPUI Definition - Civic Engagement

Active collaboration that builds on the resources, skills, expertise and knowledge of the campus and community to improve the quality of life in communities in a manner that is consistent with the campus mission. This indicates that this work encompasses teaching, research and service (including patient and client services) in and with the community.

In a Capsule

From January through December 2012, 335 individual IUSD students, staff and faculty participated in 3,516 hours of service and service-learning in and with Indiana communities, and 32 students participated in service-learning in developing countries for one to three weeks. The activities occurred as close as Indianapolis and as far away as Kenya. The IUSD family learned from the varied experiences and shared oral health expertise with our neighbors and global partners.

PROGRAMS

Seal Indiana

Seal Indiana is IUSD's mobile community-based dental sealant program for underserved children. Fourth year dental students serve a three-day rotation

at sites that serve children from low-income families including Title I schools, homeless shelters and programs for children of migrant farm workers. Since the program's inception in 2003, 25,818 children were examined, 36,948 sealants were placed and 1,278 visits to schools and other community-based sites took place. In 2012, 2,030 children were examined, 856 received 3,184 dental sealants and 1,767 received fluoride varnish treatments at 115 community based sites. Many of the 99 fourth-year dental students working with the program reported being surprised to see that 35% of the children had untreated dental decay. That is actually a significant reduction from the 52% needing follow-up care in the first years of the program. Seal Indiana returns annually to many of the schools and can be credited



with improving the schools' oral health outcomes. Students' online preparation and post-rotation reflective writing

encourages examination of their values and assumptions about access and barriers to dental services. In 2012 Seal Indiana partnered with Indiana Dental Association to identify 11 dentists from various communities who treated 14 children who were not otherwise able to access dental care or were not eligible for Hoosier Healthwise because of being undocumented immigrants, although they were from low-income families. Dr. Armando Soto directs Seal Indiana.

Shelter Sealant Program: Seal Indiana sponsors a sealant program for Indianapolis homeless shelters that house children. Students, staff and faculty throughout IUSD volunteer for this program one evening per month.

School Fluoride Rinse Program: The Seal Indiana staff also administer the School Fluoride Rinse Program, which distributes 0.2% sodium fluoride mouthrinse for use once-weekly in supervised classrooms settings. In 2012,

50 Indiana schools participated and approximately 7,000 children in those schools had parental consent to rinse weekly.

IUSD Clinical Services



Although clinical services are not typically classified as civic engagement, the services provided in IUSD comprehensive and specialty clinics are an important economic resource and make dental care affordable for many people living in Indianapolis and surrounding counties who are uninsured. Comparing IUSD fees for services with data published in the American Dental Association Survey of Dental Fees, the cost for services provided by IUSD students and residents under faculty supervision is approximately half of the average private practice dental fees in this area of the country. In fiscal 2012 there were 118,450 patient appointments at IUSD and affiliated clinical sites for individuals drawn from a population pool of 32,559. IUSD also provides a readily accessible treatment resource for patients whose services are financed through Medicaid, Hoosier Healthwise or private insurance.

Lifetime of Healthy Smiles and Student Chapter of AAPD - "Kids Club"



IUSD Kids Club, the student chapter of the American Academy of Pediatric Dentistry, had 196 active dental and dental hygiene student members in 2012. Associated with the AAPD Student Chapter is an organization called Students United for America's Toothfairy. During the

year 49 members of the organizations provided a series of four "Lifetime of Healthy Smiles" presentations in each of 13 schools/sites for a total of 291 children. Three community-based events, including PBS Kids in the Park in June and Santa Comes to town in December, were sites for screening and individualized oral health education for 172 children. Staff, students and faculty participated in these events. IUSD faculty guiding the Kids Club and Students United for America's Toothfairy are Dr. Joan Kowolik, faculty advisor,





and Ms. Heather Havens, Pediatric Dentistry Community Outreach Program coordinator.

Student Outreach Clinic and Student Chapter of AAPHD

In 2011 IUSD students formed the Student Chapter of the American Association of Public Health Dentistry, the second student AAPHD chapter in the USA.



The organization's first major project was the establishment of the Student Outreach Clinic in cooperation with HealthNet's People's Health and Dental Center. The program began in September 2011 and operates from 10 a.m. to 2 p.m. on the first and third Saturdays monthly. In 2012, 380 dental treatment visits were provided at no cost for uninsured adult patients who live on the near Eastside or who are homeless;

206 students and 11 faculty dentist volunteers staffed the clinic during 21 four-hour clinic sessions. Many students volunteered



repeatedly for a total of 476 four-hour sessions of service. HealthNet supports the program by providing the facility, most supplies and two support staff members for each Saturday session. Grant support from Henry Schein is used to augment supplies. Faculty dentist supervisor volunteers are Drs. Thomas Barrick, Timothy Carlson, Jeffrey Dean, Karen Ellis, Steven Haug, Sarah Hurd, Bruce Matis, Matthew Moeller, James Oldham, Darlene West, and Phillip Woller. Drs. Carlson and Karen Yoder are faculty mentors for this program. Dr. Phillip Woller is the Dental Director of People's Dental Clinic.

In 2012 the IUPUI Solution Center awarded the program \$47,000 to enable initiating a program called Healthy Smiles for Employability. Near Eastside residents who are

underemployed or unemployable in the public eye due to extreme dental disease will be eligible to apply to receive full or partial dentures, at no cost, to improve their appearance, health and employability. The recipients will be linked with social services that enhance employment retention. Two teams of students, composed of four students from the School of Dentistry, and one each from Public Health and Philanthropy, were selected for assistantships to work with this program.

Dental Hygiene Community-Based Programs

Dental hygiene students participate in at least nine hours of public health community-based programs. Their 2012 programs in the Indianapolis area included:

- 2 preschools
- 5 elementary schools
- 1 festival for children (Let's Meet at Sesame Place Festival)
- 2 long-term care facilities
- 2 shelters for people who are homeless (Salvation Army Women & Children's Center and Holy Family Shelter)
- 2 programs for people who are intellectually or developmentally disabled



Attendance at these Indianapolis area programs included 882 people.

- 22 of the students worked for one or more days with the Seal Indiana program at diverse locations in Indiana.

Dental hygiene faculty and students play a key role

in the June Special Olympics State Games in Terre Haute. The 12 dental hygiene student volunteers fitted athletic mouthguards and assisted



Special Olympics
Indiana

with oral screening for 53 athletes. Professor Pamela Rettig directs the dental hygiene students' community-based programs.

Jane Pauley Dental Clinic

Well known broadcast journalist and Indiana University alumna Jane Pauley participated in a ribbon-cutting ceremony to celebrate a new safety-net dental clinic for underserved children and adults on Indianapolis' Eastside, where she grew up. IUSD's Dr.



Joan Kowolik and Dr. Stuart Schrader were key players in the planning process and securing funding for the clinic, which is housed in the Warren Central High School's Walker Career Center. The clinic opens in March 2013.

Indiana Black Expo



IBE

Annually IUSD staff, students and faculty participate in Indiana Black Expo, one of Indianapolis' key city-wide events offering diverse programs and entertainment for two weeks each summer. In 2012, 37 staff, faculty and students volunteered to provide screenings and individualized education during the expo's three-day health fair, seeing 83 children and 318 adults.

Portable dental chairs and cloth paneling that served as dividers for the chairs provided a private, comfortable location for participants during the screenings. The students staffing the health education table counted 282 people who stopped to talk with them about oral health and dental services.

Community Dental Clinic of LaGrange County

Each month two fourth-year dental students volunteer to travel to LaGrange County in northeast Indiana for a day of providing dental services for children of the Amish community. The 12-chair Community Dental Clinic is equipped with the newest equipment and technology. Students are supervised by Dr. Lisa Leniski, a graduate of



IU's dental and pediatric dentistry residency programs and an adjunct IUSD faculty member who is also LaGrange's only pediatric dentist. The students experience working in a clinic situated among corn fields in the midst of a county where half of the residents belong to the conservative Amish community. Amish members of the clinic's board of directors come to IUSD annually to provide an orientation to Amish culture for the third-year dental students. In 2012 there were eight trips to the clinic with 24 fourth-year students participating. Dr. Michael Baumgartner coordinates the student volunteers.

International Service Learning



During March, May and June in 2012, IUSD International Service Learning (ISL) trips were conducted in Ecuador, Guatemala, Haiti, Kenya, Mexico and Vietnam. Participating in these six countries were 41 students and residents, 10 faculty, and two staff. Of the 348 students

who participated in ISL trips since 2001, 61 students participated in two or more trips. Of the 99 dental students who graduated in 2012, 35% participated in one or more ISL programs. The country directors were Drs. Timothy Carlson, Odette Zero, Karen Yoder, Armando Soto and John Loeffler.

Faculty members who direct the programs in the various countries are a subcommittee of the IUSD Committee on Community Engaged Scholarship. In 2012 this group elected the following leadership: Dr. Timothy Carlson, ISL program director; Dr. Angeles Martínez-Mier, ISL curriculum coordinator; and Dr. Karen Yoder, ISL program coordinator.

Safety-Net Clinic Externships

In 2012 the IUSD Curriculum Committee approved establishment of summer multi-week safety-net clinic externships which are designed to provide fourth-year dental students with extensive clinical experience and include interprofessional educational and community-based programs. Three students participated in the inaugural programs at the IU Health Dental Clinic in La



**La Porte
Hospital**

Porte and Matthew 25 Health and Dental Clinic in Fort Wayne. The students submitted daily logs reporting their clinical procedures and reflection on their experiences. In the La Porte program the students electronically transmitted intraoral photographs of the clinical procedures they performed to their comprehensive care clinic director at IUSD for evaluation.

Schweitzer Fellows Program

THE ALBERT SCHWEITZER FELLOWSHIP®

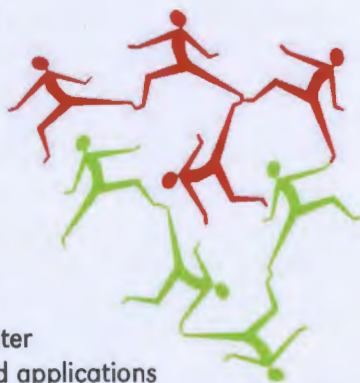
*Improving Health
Developing Leaders
Creating Change*

The Indiana chapter of the Schweitzer Fellows program competitively selects 15 fellows annually who partner with community-based organizations to identify unmet health needs,

design yearlong service projects and provide 200 hours of service to attain the stated goals. Four IUSD students were selected for academic 2011-12 and five for 2012-13, more than any other school in the coalition. Their projects included development of the Student Outreach Clinic in partnership with People's Health Center and school-based oral health activities in two schools located in Indianapolis' near Eastside neighborhood.

Binational/Cross Cultural Health Enhancement Center

The Binational/Cross Cultural Health Enhancement Center (BiCCHC) is taking a leadership role in addressing the needs of a multicultural society through promotion of approaches that are just, culturally enriching, and financially sound. Through its translational research the center fosters programs, training and applications that improve the quality of life for all Indiana residents, including Indiana's Latino population which has grown by 400 percent since 1980. In 2012, BiCCHC researchers published more than 10 articles and book chapters, presented the findings of their studies in national and international conferences and received more than \$2 million in funding for research and service programs from the Health Resources and Services Administration, National Institutes of Health, Indiana Clinical and Translational Sciences Institute (CTSI), National Oral Health Foundation, Indiana Commission on Hispanic/Latino Affairs and the State of Indiana. BiCCHC sponsored three student-led community research projects and an exchange program for pediatric residents with Universidad Autónoma del Estado de Hidalgo (UAEH), IUPUI's strategic partner in Mexico. In addition, BiCCHC members were involved in multiple community-based health programs. The center's director is Dr. Angeles Martínez-Mier.



Oral Health Policy Forum

An important outcome of health related civic engagement and service-learning is student and graduate participation in advocacy for optimal health policy. The Oral Health Policy



9th ANNUAL

IUSD Oral Health Policy Forum

THURSDAY, FEB 21, 2013

Forum prepares fourth-year dental students to interact effectively with legislators. In 2012, for the 8th annual Oral Health Policy Forum, Dr. Burton Edelstein, the USA's foremost oral health policy guru once again presented the keynote and critiqued the students' advocacy presentations. In December the *Journal of Dental Education* published an article authored by Dr. Karen Yoder and Dr. Burton Edelstein describing the process and outcomes of the forum.

Community Clinics: Wheeler Mission and Trinity Clinic

Although not a structured program through IUSD, two dental clinics operated by a



church and a social service agency in Indianapolis benefit from IUSD faculty and student volunteers. Several faculty dentists and about 10 students

alternate volunteering on Saturdays at Trinity Clinic in Hamilton County, and several faculty members are regular volunteers providing dental services in the dental clinic at Wheeler Mission in downtown Indianapolis.

IUSD Committee on Community Engaged Scholarship

Community Engaged Teaching Research and Service



The IUSD Committee on Community Engaged Scholarship was established in 2008 to promote the scholarship of engagement and facilitate communication among the faculty and staff who are leading community-based programs. All faculty and staff involved with community-based oral health activities are welcome to participate. The committee meets bimonthly. Dr. Timothy Carlson is chairman with support from the Office for Civic Engagement.

RECOGNITION

IUSD Professor Receives National Humanitarian Award



Dr. Steven Blanchard was honored in 2012 by the American Academy of Periodontology in recognition of his ongoing dedication to serving populations in greatest need of oral health care. Among his contributions, he was cited for his work with IUSD's International Service Learning program in Honduras and the Trinity Free Clinic in Hamilton County.

National Children's Oral Health Foundation Honors IUSD Chapter

The NCOHF Affiliate of the Year award recognizes exemplary commitment to eliminating pediatric dental disease. IUSD pediatric dentistry professors Drs. Judith Chin and Joan Kowolik accepted the honor during the America's ToothFairy Celebration of Smiles at the Chicago Hyatt Regency on February 23, 2012. The organization's goals include eliminating pediatric oral disease and promoting overall health and well-being for children from vulnerable populations by being a comprehensive resource provider for non-profit community programs delivering preventive, educational and treatment services.



DISSEMINATION

Martínez-Mier EA, Escoffie-Ramirez M, Soto-Rojas AE, Medina-Solis C, and Aquilar-Ayala FJ. Caries prevalence of Mayan children in Mexico. *J Dent Res* (online issue) 2012

ADA News. April 23, 2012. Indiana University and Kenyan dental schools develop student exchange program; pages 1, 30-31

Rojas AE, Escoffié-Ramírez M, Pérez-Ferrera G, Guido JA, Mantilla-Rodriguez AA, and Martínez-Mier EA. Retention of dental sealants placed on sound teeth and incipient caries lesions as part of a service-learning programme in rural areas in Mexico. *Int J Paediatr Dent* 2012 Feb 6

Soto-Rojas AE, Martínez-Mier EA, Meadows ML and Hatcher JL. Increasing Cultural Competence of Dental Students through Participation in an International Service-Learning Program. *Service-Learning in Higher Education: Educators, Communities, and Students*. To be edited by: Phylis Lan Lin, University Press, Indianapolis IN USA 2011, 2010, 321-333

Soto-Rojas AE, Escoffie-Ramirez M, Martínez-Mier EA, Medina-Solis C, and Aquilar-Ayala FJ. Caries prevalence in Mayan 6-12 year olds in Yucatan, Mexico. *J Dent Res* (online issue) 2012

Yassen GH, Chin JR, Younus MS, and Eckert GJ. Knowledge and attitude of dental trauma among mothers in Iraq. *European Archives of Paediatric Dentistry*. In Press.

Yoder KM and Edelstein BL. Developing dental students' knowledge and skills for health policy advocacy. *Journal of Dental Education* 2012 76(12) 1572-1579

Annual Session of the American Dental Education Association. Using Civic Engagement and Community Service-Learning to Foster Ethics and Cultural Responsiveness in the Future Dental Workforce. Drs. Karen Yoder and Michael McCunniff. Oral Presentation. Orlando, Florida, March 20, 2012

FUNDING

Grants, Awards and Gifts to Support Civic Engagement at IUSD

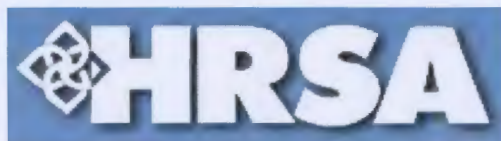
Dr. Donald W. Johnson was a retired public health dentist who cared deeply about promoting dental public health activities and health policy advocacy among students enrolled at IUSD. In his lifetime he contributed generously to an IU Foundation fund that he established to support public health education and programs. Dr. Johnson was in declining health for many years and died in July 2012. He left IUSD a bequest of



\$761,600. Together with his previous contributions, this bequest created an endowment of one million dollars in a fund which will assure continuity of IUSD public health, civic engagement and health policy programs.

Health Resources and Services Administration:

A three-year grant totaling \$1.3 million was awarded to



IUSD to enable IUSD faculty to collaborate with Indiana State Health

Department personnel and Indiana safety-net dental clinics. The goal of the project is to promote establishment of school-based dental sealant programs in Title I schools throughout Indiana. Title I schools have a high enrollment of children from low-income families. The programs will utilize a new law that allows dental hygienists to provide sealants in school settings with prescriptive supervision of a dentist. This will enable the establishment of cost effective, sustainable school-based dental sealant programs. IUSD will build on lessons learned by operating the Seal Indiana program since 2003. Drs. Angeles Martínez-Mier, James Miller, Armando Soto and Karen Yoder are investigators on this grant.

Louis Stokes Midwest Center of Excellence: Chicago State University, Argonne National Laboratory and IUPUI partnered to establish the Louis Stokes Midwest Center of Excellence to broaden the participation and success of underrepresented minority students in science, technology, engineering and math. Dr. Pamela Shaw, co-principle investigator of this \$2.5 million project, will introduce careers in dentistry to under-represented minority students at the 28 institutions involved.

ADEA National Learning Institute Dental Pipeline:

The newly established Dental Pipeline of the National Learning Institute



AMERICAN
DENTAL
EDUCATION
ASSOCIATION

provides an opportunity for dental educators and their community partners to address the problems of access and workforce disparities. IUSD is collaborating with Ivy Tech Community College of Central Indiana on this one-year, \$12,000 grant project. Dr. Pamela Shaw submitted the proposal.

Seal Indiana: The dental school's 10-year-old mobile preventive dentistry program received two major grants to support operational costs. Delta Dental Foundation awarded Seal Indiana \$50,000 and Indiana State Department of Health awarded \$90,000. Dr. Armando Soto submitted the proposals.

Head Start On-Site Restorative Services:



The IUSD mobile dental clinic, known as the Sealmobile, is being repurposed to enable the provision of on-site restorative dental services for children in underserved rural Head Start programs. Family and Social Services and Head Start programs awarded \$22,445 to support this program and

Delta Dental Foundation awarded \$133,799. Dr. Karen Yoder submitted the proposals.

Student Outreach Clinic: In partnership with People's Health and Dental Clinic, the Student Outreach Clinic received \$25,000 in supplies from the Henry Schein Company for materials to be used to provide dental services. Dental student Christine Foulkes submitted the proposal. A total of \$45,960 in funding was received from the IUPUI Solution Center for the new "Healthy Smiles for Employability" program (page 3), which will provide partial and/or full dentures for people in a near Eastside Indianapolis neighborhood who have the potential of becoming more employable with a more presentable dentition. The program will also link the candidates with social service agencies that help individuals sustain employment. Drs. Timothy Carlson and Karen Yoder submitted the proposal.

Service Learning Assistant Scholarships: In 2012, eight IUSD faculty members enabled 16 individual IUSD students to receive 22 Service Learning Assistant (SLA) scholarships totaling \$43,350. As part of the Sam H. Jones Community Service Scholarship Program, SLA scholarships are awarded to recognize students who have been selected by faculty to support community-engaged faculty work in teaching, research and service. They assist in designing service-learning programs, conducting community engaged research and implementing professional service projects with and in the community. The faculty awarded SLA support were Drs. Judith Chin, Joan Kowolik, Angeles Martínez-Mier, Stuart Schrader, Armando Soto, Karen Yoder and Andréa Zandona and Professor Pamela Rettig.

WHAT'S NEW FOR 2013

Oncourse Civic Engagement Calendar and Reporting System

In January 2013 the Office for Civic Engagement launched a centralized civic engagement events calendar and student reporting system in Oncourse. This resource

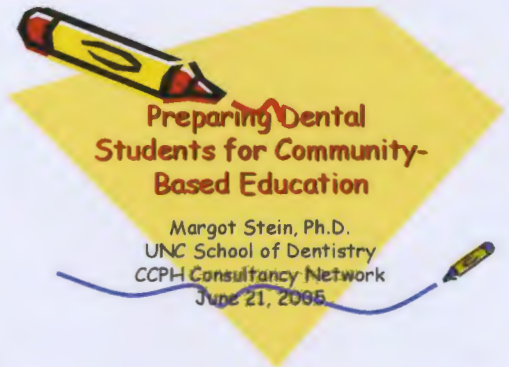
ONCOURSE

collaboration & learning

Oncourse site will also house the electronic format for students to report their service, reflect on their experience and apply for extramural credit. Program organizers will report the outcomes of their activities on this site. Centralizing information and reporting will enable prompt, comprehensive and accurate collection of information about civic engagement, interprofessional education, and health policy activities of IUSD's students, staff and faculty.

enables students to search for community-based volunteer opportunities on a calendar that will be continually updated. The

this pass/fail elective course. Students in D1, D2, D3 or D4 will select activities from those offered online in the new IUSD civic engagement calendar or other sources. Enrollees will report, evaluate and reflect on their activities online through the Office for Civic Engagement Oncourse site. Up to 20 clock hours may be banked for the fourth-year intramural requirement. Dr. Angeles Martínez-Mier is course director.



Rural Head Start On-site Restorative Program



IUSD's two-chair mobile dental clinic originally used for the Seal Indiana program is being repurposed to provide restorative dental care for Head Start children in rural counties where it is difficult to find dental services. Head Start is required by Federal Performance Standards to provide comprehensive dental services for all enrollees. Grants have been secured from Delta Dental Foundation and Head Start to launch this program. Pediatric dentistry residents, faculty, and selected fourth-year dental students will staff this program, which is expected to be at Head Start sites one day per week. Indiana Dental Association has offered to assist in identifying local dentists who will provide emergency services if needed after the mobile clinic leaves the county.

Community-Based Education Elective

In 2013 dental students will be offered the opportunity to register for an elective that will enable them to receive an experiential learning tag on their transcript. The tag will verify that they have participated in community-based experiential programs and may enhance some opportunities for residencies and employment. Twenty-four clock hours of community-based service per semester is required for



Please send additions or corrections to this annual report to kmyoder@iu.edu.