Department of Medical Education

The Society, Community, and the Individual (SCI) Course

Presents

The 10th Annual Service Learning Symposium

Tuesday, February 11, 2020

Keynote Address, 12:00 Noon

Medical Education Building 1100

Oral and Poster Presentations

1:00 P.M. -5:00 P.M.

100 Hour Club Reception

5:30 P.M. – 6:30 P.M.

MEB Subway Dining Room

Lee.Rosenthal@ttuhsc.edu  Barbara.Stives@ttuhsc.edu  Steven.Lazarin@ttuhsc.edu
February 11, 2020

Dear Colleagues:

Welcome to the 10th Annual Service Learning Symposium sponsored by the Texas Tech University Health Sciences Center El Paso Paul L. Foster School of Medicine and the Department of Medical Education.

Again this year we are pleased to have ongoing participation, not only from our medical students and campus community, but also from the University of Texas at El Paso, and the Silva Magnet School. In these heightened times of division and borders, it is good to recognize and celebrate the opportunities we make to collaborate together to transform the region.

The presentations you will hear today speak to what our students are learning as they make time to engage with others in our community and in many cases, co-create new programs, to address the health and wellbeing of those they serve.

According to the National Service Learning Clearinghouse, “Service Learning is a teaching and learning strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, and strengthen communities.” Our annual Service Learning Symposium plays an important role in students having the opportunity to share their new insights gained and consider how those lessons learned will guide them in the future.

Enjoy the day and join us for our evening reception as we acknowledge milestones reached in hours served by the medical students and give awards for presentations made today.

Service Matters.

Best,

Lee

E. Lee Rosenthal, Ph.D., M.S., M.P.H.
Assistant Professor
Director of Community-Based Education-Department of Medical Education
Director of Service Learning-Paul L. Foster School of Medicine
MD.-M.P.H. Degree Program Coordinator
Society, Community and the Individual (SCI)
Service Learning Symposium 2020
February 11, 2020

Agenda

12:00 Noon   MEB 1100            Welcome
             E. Lee Rosenthal, Ph.D., M.S., M.P.H.
             Richard Brower, M.D.

12:10 P.M. - MEB 1100  Keynote Address
             Bruce Parsons, M.P.A.

STUDENT PRESENTATIONS

ORALS:
1:00 P.M. – 4:00 P.M.  MEB 1100

POSTERS:
4:00 P.M. – 5:00 P.M.  MEB 1100

RECEPTION and AWARDS:
5:30 P.M. -6:30 P.M.  Subway

100 Hour Club and Symposium Awards Reception
MEB Subway Dining Room
5:30 P.M. – 6:30 P.M.
THE SOCIETY, COMMUNITY, AND THE INDIVIDUAL (SCI) COURSE
PRESENTS
THE 10TH ANNUAL SERVICE LEARNING SYMPOSIUM

Location: Medical Education Building
Texas Tech University Health Sciences Center El Paso
El Paso, Texas 79936

Tuesday, Feb. 11, 2020
Noon – 7 p.m.

Keynote Address: Finding Joy and Meaning Through Helping Others

Presented by:

Bruce Parsons, M.P.A.
Assistant Health Director
City of El Paso Department of Public Health
El Paso, Texas

Objectives: Upon completion of this session, the participant should be able to:

- Identify opportunities for service that support growth and values development.
- Assess characteristics of service that make it rewarding for sustained activity.
- Articulate lessons learned from service about medical and community health themes.

Keynote Address:
Finding Joy and Meaning Through Helping Others

Service Learning Mission
- Support student service experiences in self-selected sites and projects.
- Engage students in the promotion of individual and community health at local, national, binational and international levels.
- Guide student self-directed service learning through active reflection.

Symposium Highlights

Keynote Address
Student Oral and Poster Presentations

Recognition And Reception

TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER,
EL PASO
Paul L. Foster School of Medicine

Department of Medical Education

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<td>Bruce Parsons, M.P.A.</td>
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<td>4:15 – 5:15 p.m.</td>
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Accreditation: The Texas Tech University Health Sciences Center El Paso Paul L. Foster School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation: The Texas Tech University Health Sciences Center El Paso Paul L. Foster School of Medicine designates this live activity for a maximum of 4AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity provides 1 hour of CME credit toward the annual requirement by the Texas Medical Board for continuing medical education credit in Medical Ethics or Professional Responsibility.

Disclosure Policy: It is the policy and practice of the Texas Tech University Health Sciences Center El Paso Paul L. Foster School of Medicine Office of Continuing Medical Education to resolve all potential conflicts of interest prior to the activity.

There are no relevant financial relationships with ACCME-defined commercial interests for anyone who was in control of the content of this activity.

- The Office of CME reserves the right to cancel this activity in the event of unforeseen or extenuating circumstances.
- Persons with disabilities who need auxiliary aids or services may call the Office of CME at 915-215-4880 to arrange accommodations.
Bruce Parsons, M.P.A., B.S.
PUBLIC HEALTH EXECUTIVE
CITY OF EL PASO DEPARTMENT OF PUBLIC HEALTH, El Paso, TX
Assistant Health Director – (ret.)

Chief Operating Officer for large, urban health department with $20M budget, 280 staff
Community Health Leadership - Health Center Development/Operation - Strategic Planning

EDUCATION AND CREDENTIALS

Master of Public Administration • Western Michigan University, Kalamazoo, Michigan
Bachelor of Science • Western Michigan University, Kalamazoo, Michigan

RECOGNITION

• Faculty for REALIZE Leadership Program, Paso del Norte Health Foundation, Cohort #2, 2013
• REALIZE Leadership Program, Paso del Norte Health Foundation, Cohort #1, 2011-12
• Local Health Director of the Year, North Carolina Association of County Commissioners, 1999
• National Public Health Leadership Institute Year 8 Scholar, Centers for Disease Control, 1998-99
• North Carolina Baby Love Caring Heart Award, 1995

Short Story Author

Humble Pat
My larger-than-life mentor served up lessons the best way he knew: one egg at a time.
Symposium Conveners

E. Lee Rosenthal, Ph.D., M.S., M.P.H., Assistant Professor, Director of Community-Based Education, Department of Medical Education; Director of Service Learning, Paul L. Foster School of Medicine; M.D./M.P.H. Degree Program Coordinator

Richard Brower, M.D. – Interim Associate Dean for Student Affairs; Associate Professor-Department of Medical Education; Clinical Associate Professor-Department of Neurology

Charmaine A. Martin, M.D. – Assistant Dean for Student Affairs-Office of Student Affairs, Associate Professor
CME Committee

- Cynthia Ogaz, D.B.A., M.B.A. - Associate Director, Office of Continuing Medical Education

- Cynthia M. Juarez – Senior Director-Office of Continuing Medical Education

- Thwe Htay, M.D., Associate Professor, Department of Medical Education; CME Liaison

- E. Lee Rosenthal, Ph.D., M.S., M.P.H., Director of Community-Based Education, Department of Medical Education; Director of Service Learning, Paul L. Foster School of Medicine; M.D./M.P.H. Degree Program Coordinator

- Barbara Stives, B.M.S., Unit Manager, Department of Medical Education; Preceptor Program Manager, Society, Community, and the Individual Course
CME Committee

Elizabeth McCain, PLFSOM Class of 2020
SGA Standing Service Representative

Grant Pham, PLFSOM Class of 2020 – Service Chair

Skye Schultz, PLFSOM Class of 2021 – Service Chair

Ashley Priego, PLFSOM Class of 2022 – Service Chair

Nivethitha Manohar, PLFSOM Class of 2023 – Service Chair
Society, Community, and the Individual Course’s
Service Learning Committee Administrators

- E. Lee Rosenthal, Ph.D., M.S., M.P.H., Assistant Professor, Director of the Society, Community and the Individual Course; Director of Community-Based Education, Department of Medical Education; Director of Service Learning, Paul L. Foster School of Medicine; M.D./M.P.H. Degree Program Coordinator

- Barbara Stives, B.M.S., Unit Manager-Department of Medical Education; Preceptor Program Manager, Society, Community, and the Individual Course (SCI)

- Steven Lazarin, M.A., Program Coordinator-Department of Medical Education

- Jorge Cervantes, M.D., Ph.D. - Assistant Professor-Microbiology – Co-Director of the Society, Community, and the Individual Course, Department of Medical Education

- Edith Olexiuc, Senior Analyst-Information Technology

Service Learning Committee Membership

- Lynn J. Hernan, M.D., Associate Professor, Director, Pediatric Clerkship; Director of Pediatric Critical Care Education Program; Chief Medical Quality and Pediatric Safety Office, El Paso Children’s Hospital

- Thwe Htay, M.D. – Associate Professor-Department of Medical Education

- Jessica Calderon-Mora, Dr.P.H., Research Instructor-Center of Emphasis in Cancer-Department of Biomedical Sciences

- Christiane Herber-Valdez, Ed.D. .M.A. – Director of Institutional Planning and Effectiveness-Office of Institutional Research and Effectiveness; Assistant Professor of Medical Education; Department of Medical Education

- Oliana Alikaj-Fierro, Ph.D., M.B.A. – Assistant Director of Accreditation and Institutional Effectiveness-Office of Institutional Research and Effectiveness

- Ellen Dudrey, M.D. – College Master; Assistant Professor-Department of Medical Education

- Carolyn Mack, D.B.A. – Associate Director-SARP and Pre-Clerkship-Department of Medical Education

- Jessica A. Chacon, Ph.D. – Assistant Professor-Immunology and Microbiology-Department of Medical Education

- Valentin S. Herber-Valdez – English Instructor- Silva Magnet High School

- Cynthia Ogaz, D.B.A., M.B.A. – Associate Director-Continuing Medical Education

- Cynthia Juarez, M.Sc., M.A. – Senior Director-Continuing Medical Education

- Elizabeth McCain, PLFSOM Class of 2020, SGA Standing Service Representative

- Grant Pham, PLFSOM Class of 2020 - Service Chair
Continued: Service Learning Committee Membership

- Skye Schultz, PLFSOM Class of 2021 - Service Chair
- Ashley Priego - PLFSOM Class of 2022 – Service Chair
- Nivethitha Manohar, PLFSOM Class of 2023 – Service Chair

Judges - Oral Presentations

- Lynn J. Hernan, M.D. – Associate Professor; Director Pediatric Clerkship; Director of Pediatric Critical Care Education Program-Department of Pediatrics
- Charmaine A. Martin, M.D. – Assistant Dean for Student Affairs-Office of Student Affairs
- Diana Pettit, Ph.D. - Associate Professor-Department of Medical Education
- Wendy Woodall, D.D.S., MAGD – Associate Dean of Academic Affairs – Woody L. Hunt School of Dental Medicine.
- Carolyn Mack, D.B.A. – Associate Director-SARP and Pre-Clerkship-Department of Medical Education
- Richard Brower, M.D. – Interim Associate Dean for Student Affairs; Associate Professor-Department of Medical Education; Clinical Associate Professor-Department of Neurology
- Jorge Cervantes, M.D., Ph.D. – Assistant Professor-Microbiology – Department of Medical Education
- Jessica Calderon-Mora, Dr.P.H. – Research Instructor-Department of Molecular and Translational Medicine, Center of Emphasis in Cancer; Instructor Research-Department of Family and Community Medicine
- Gordon Woods, M.D., MHPE – College Master; Associate Professor of Internal Medicine – Department of Medical Education
- Niti Manglik, M.D. – Assistant Professor-Department of Medical Education
Judges – Poster Presentations

- Herb Janssen, Ph.D. – Professor, College Master, Physiology-Department of Medical Education
- Oliana Alikaj-Fierro, Ph.D., M.B.A. – Assistant Director of Accreditation and Institutional Effectiveness-Office of Institutional Research and Effectiveness
- Christiane Herber-Valdez, Ed.D, M.A. – Director of Institutional Planning and Effectiveness-Office of Institutional Research and Effectiveness; Assistant Professor of Medical Education; Department of Medical Education
- Ricardo Belmares, Ph.D. – Instructor-Department of Medical Education
- Diego F. Nino, M.D., Ph.D. – Assistant Professor-Physiology-Department of Medical Education
- Heather A. Balsiger, M.S. – Faculty Associate-Anatomy-Department of Medical Education
- Christopher Vejil – Director of Student Affairs and Wellness-Student Services and Student Affairs
- Jessica A. Chacon, Ph.D. – Assistant Professor-Immunology and Microbiology-Department of Medical Education
- Bradley P. Fuhrman, M.D. – Professor, College Master-Department of Medical Education
- Homaira Azim, M.D. – Instructor-Anatomy-Department of Medical Education
- Zuber D. Mulla, Ph.D. – Assistant Academic Dean for Faculty Development; Professor of Obstetrics and Gynecology-Office of Faculty Development
- Houriya Ayoubieh, M.D. – Assistant Professor, College Master, Clinical Geneticist-Department of Medical Education
- Skye Schultz, PLFSOM Class of 2021 – Service Chair
Awards Committee
Program Coordinator for Judges and Awards Committee – Steven Lazarin, M.A.

Oral Presentations Lead
Lynn J. Hernan, M.D., Associate Professor, Director, Pediatric Clerkship; Director of Pediatric Critical Care Education Program; Chief Medical Quality and Pediatric Safety Office, El Paso Children’s Hospital

Poster Presentations Lead
Herb Janssen, Ph.D., – Professor, College Master, Physiology-Department of Medical Education

Best in Show (Poll EV) Lead
Diana Petitt, Ph.D., - Associate Professor-Department of Medical Education

Grant Pham, MS 4 Service Chair Student Representative
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| 1:00 PM | Welcome and Voting Overview: Dr. Lee Rosenthal  
Oral Presentations Convener and Moderator: Dr. Lynn Hernan |                                                                              |       |
| 1:05 PM | The Gift of Sight: Year Five  
Marah Hamdan, Giancarlo Diaz, Akaanksh Shetty, Arnulfo Garza, Nigel Abraham |                                                                              | A     |
| 1:20 PM | Delivering Women’s Health Screenings in an Underserved Border Population  
Narinta Limtrakul, Jennifer Ma, Hiral Waghela, Miguel Mena, Nikita Lobo, Maureen Francis, Sarah Sepulveda |                                                                              | B     |
| 1:35 PM | Skin Cancer Prevention Education: A Partnership with the Baptist Clinic Community Outreach Program  
Maleka Najmi, Jocelyn Carnicle, Krysta Lin, Timothy Tran, Meena Manivannan |                                                                              | B     |
| 1:50 PM | RotaCare Clinic: medical care for underserved patients in East El Paso  
Grishma Pradhan, Natalie Satterfield, Kristopher Van Huss, Betty Gallegos, Richard McCallum |                                                                              | B     |
| 2:05 PM | “Comience Saludable”- A Healthy Start for the El Paso Homeless Community  
Alyssa K. Greenwood Francis, Sinthuja Devarajan, Madeline Goldfarb, Shri Karri, Nivethitha Manohar, Kristopher Van Hus |                                                                              | A     |
| @ 2:20 PM | BREAK (10 mins.)                                                                 |                                                                              |       |
| 2:35 PM | Martin Luther King Jr Days of Service CARES Collaboration (all sites)  
Elizabeth McCain, Skye Schultz, David Arteche, Nive Manohar |                                                                              | B     |
| 2:50 PM | Compadres Therapy - An Innovative Approach to Therapy  
Jessica Avila |                                                                              | A     |
| 3:05 PM | Martin Luther King Day of Service Montana Vista  
Habiba Khan, Ashley Priego, Morgan Rolon-Newton, Kendall Dempsey |                                                                              | A     |
| 3:20 PM | Mental Health Task Force - An innovative program that utilizes positivity and resilience to better the general mental health of El Paso  
Maiqui Jimena, Manuel Garza, Ali Naqvi, James Fong, David Arteche |                                                                              | A     |
| 3:35 PM | 10th Annual SUNS Health Fair  
Krysta Lin, Kevin Fraser, Giancarlo Diaz, Pavel Gonzales, Charmaine Martin |                                                                              | A     |
| 3:50 PM | Closing |                                                                              | B     |

**AWARD CATEGORIES/ORAL PRESENTATION JUDGES**

**Award Category A:** Focused/Single Site Project  
Judges C. Martin, W. Woodall, J. Cervantes, N. Manglik

**Award Category B:** Multi-faceted/Multi-Site Project  

**Best in Orals, Best in Show – Votes via Poll EV**  
Judges - **All Attendees** - Oversight E. Olexiuc, IT-Academics

**At-Large Oral Judge:** C. Mack  
Time Keeper: D. Delgado
The Gift of Sight: Year Five  
**Authors:** Marah Hamdan, Giancarlo Diaz, Akaanksh Shetty, Arnulfo Garza, Nigel Abraham  
**Key Partners:** PLFSOM, local eye clinics in El Paso  
**Institution:** PLFSOM

**Abstract:**

For its fifth annual eyeglasses donation drive, the Ophthalmology Student Interest Group (OSIG) members have distributed donation boxes at clinics and establishments throughout El Paso starting in December 2019. Last year, we collected 376 eyeglasses and our goal this year is to collect over 500 eyeglasses by June 31st and 750 by November 2020. Similar to last year, donations will benefit NewEyes and ReSpectacle non-profit organizations. NewEyes redistributes donated eyeglasses and sunglasses to disadvantaged populations in the U.S. and abroad, while ReSpectacle utilizes an online database of donated glasses and prescriptions through which patients can enter their prescriptions and have glasses shipped to them worldwide free of charge[1][2]. We continue to use the standardized donation boxes with our student-designed logo. Many community establishments remembered us and were eager to contribute. Moving forward, we plan to enact several changes. Previously, our goal was to collect the glasses by March 31st but this year we will extend it to be a year-long drive with a goal to contact entities and collect glasses in June and November. Optometrists and Lasik centers have a sustained glasses supply, and this change will allow us to take advantage of that. Additionally, we plan to reach underserved populations in El Paso who have yet to receive glasses prescription by inviting optometrists to local student run clinics. This will allow them to take advantage of the glasses we collect locally. We also plan to distribute English and Spanish flyers to clinics in order to educate patients about the drive, refractive errors, and available resources. Lastly, as many organizations do not accept eyeglasses cases, we will start donating them to Goodwill. Refractive error is the most prevalent eye care related need and this is one way we can help as rising ophthalmologists [3].

Oral Presentation: 1:20 p.m.  
Oral #2 Category B: Multifaceted/Multi-Site Project

Title:
Delivering Women’s Health Screenings in an Underserved Border Population

Authors
Narinta Limtrakul, M.S., Medical Student
Jennifer Ma, M.S., Medical Student
Hiral Waghela, B.S., Medical

Key Partners:
• Lety Favela, Promotora, Socorro Ramirez Community Center • Obstetrics & Gynecology Interest Group
• Family Medicine Interest Group, Foster School of Medicine
1 Foster School of Medicine at Texas Tech University Health Sciences Center El Paso

Institution: PLFSOM

Abstract:
Title:
Delivering Women’s Health Screenings in an Underserved Border Population

Presenters/Authors:
Narinta Limtrakul, M.S., Medical
Student1 Jennifer Ma, M.S., Medical
Student1 Hiral Waghela, B.S., Medical
Student1 Miguel Mena, B.S., Medical
Student1 Nikita Lobo, M.S., Medical
Student1
Maureen Francis, M.D., Professor and MSRC Medical Director
Sarah Sepulveda, M.D., Assistant Professor and MSRC Medical Director
1 Foster School of Medicine at Texas Tech University Health Sciences Center El Paso

Key Partners:
• Lety Favela, Promotora, Socorro Ramirez Community Center
• Obstetrics & Gynecology Interest Group, Foster School of Medicine
• Family Medicine Interest Group, Foster School of Medicine
• Texas Tech University Health Science Center El Paso Family Medicine residents

Abstract

The Medical Student Run Clinic (MSRC) serves the community of Sparks, Texas, near El Paso, providing accessible healthcare services to low-income, uninsured residents of the area. In addition to regular clinical operations of bimonthly clinic nights, mammogram drives, and sports physical drives, the MSRC hosted a Women’s Health Day (WHD) in November 2019.

The WHD event arose from conversations with MRSC patients and promotora, who saw an unmet need for women’s health screenings. Consequently, student leadership planned an event to provide women with Pap smears, pelvic exams, clinical breast exams, and mammography referrals, all at no cost to patients. Patient education was also a priority for WHD.
Along with the 5 MSRC student leaders, 12 medical student volunteers delivered patient care under the supervision of 4 physician volunteers. Moreover, 14 Obstetrics & Gynecology Interest Group student members, 4 Family Medicine Interest Group student members, and 5 Texas Tech University Health Sciences Center El Paso Family Medicine residents volunteered to provide patients with general health education.

Ultimately, 26 women received screening exams on WHD. There were 2 abnormal Pap results, 9 referrals for screening mammography, 4 referrals to Texas Tech Physicians of El Paso Obstetrics & Gynecology for incidental gynecologic findings, 2 referrals for diagnostic ultrasounds, and 2 prescriptions written to address acute conditions. Patients with abnormal findings are being tracked to ensure appropriate and accessible follow-up care.

In planning and executing WHD, we gained better understanding of ways to improve the utilization of our resources for an identified healthcare gap in Sparks. We explored MSRC collaboration with other student groups and residents working toward common service goals. We plan to make WHD an annual event, increase patient count, and improve the patient experience, especially by maximizing productive time for patients during their visit through smoother triage flow and education stations.

References:
2. Maureen Francis, M.D., Professor and MSRC Medical Director, Foster School of Medicine. Contacted regularly from September to November 2019.
3. Sarah Sepulveda, M.D., Assistant Professor and MSRC Medical Director, Foster School of Medicine. Contacted regularly from September to November 2019. Also served as the contact person on our behalf for Texas Tech University Health Sciences Center El Paso Family Medicine resident volunteers.
4. Madeline Dixon and Shalabi Sorathia, Medical Students and Co-Presidents of the Obstetrics & Gynecology Interest Group, Foster School of Medicine. Initial contact was October 3, 2019.
5. Soumitra Lele, Medical Student and President of the Family Medicine Interest Group, Foster School of Medicine. Initial contact was October 9, 2019.
Skin Cancer Prevention Education: A Partnership with the Baptist Clinic Community

Maleka Najmi, Jocelyn Carnicle, Krysta Lin, Timothy Tran, Meena Manivannan

Institution: PLFSOM

Skin cancer is the most common cause of cancer in the United States with melanoma being the sixth leading cause of cancer mortality¹. Although melanoma rates are highest among those in non-Hispanic white populations (21.6 per 100,000), Hispanic individuals are still at risk for melanoma (4.5 per 100,000)². Because of the higher incidence, most of the current literature and public health preventions have targeted melanoma in non-Hispanic white populations. While this has led to advances in melanoma survival in non-Hispanic white populations, Hispanic and black patients continue to have poorer survival rates¹. One potential explanation is that with inadequate melanoma education and lack of patient awareness, patients of darker pigmentation can have a lower perceived risk and don’t participate in sun protective behaviors.

The Baptist Clinic outreach education program provides an excellent opportunity to address the needs for improving health literacy on skin cancer in the Hispanic population. The mission of the El Paso Baptist Clinic is to promote a healthy community by making medical care accessible to the uninsured and underserved individuals in the El Paso³. The Dermatology Interest Group partnered with the Baptist Clinic to send medical student volunteers to educate patients about the importance of sun protection and skin self-exams. Student volunteers handed out sunscreen samples, discussed the impact of skin cancer, the ABCDE characteristics common to melanoma, debunked myths about skin cancer in the Hispanic population, and taught patients about sun protective behaviors such as wearing sunscreen with SPF greater than 30, wide brimmed hats, and UV friendly clothing. In the future, we hope to serve more of the El Paso community and continue raise awareness of skin cancer by continuing to volunteer at the Baptist Clinic, and by expanding volunteering at additional avenues such as the RotaCare clinic and the Medical Student Run Clinic.

References
Oral Presentation: 1:50 p.m.
Oral # 4 Category B: Multifaceted/Multi-Site Project

Title: RotaCare Clinic: medical care for underserved patients in East El Paso

Authors: Grishma Pradhan, Natalie Satterfield, Kristopher Van Huss, Betty Gallegos, Richard McCallum, M.D.

Key Partners: Rotary Club
Institution: PLFSOM

Abstract:
1. Introduction – include setting, timeframe
RotaCare provides free healthcare services to underserved patient populations in East El Paso since 2014. This is a walk-in clinic that does not require any identification or payment. It is under the supervision of a nurse manager, medical director, and leadership team.

2. Description of the Main Service Activities, Service Goals and Outcomes
RotaCare provides healthcare and facilitates medical education. In addition to weekly primary care, there are specialty clinic days for OB/GYN, ophthalmology, orthopedics, and gastroenterology. The goal is to serve as many people as possible while providing the best care. In 2019, there have been 719 patient encounters, 778 lab tests completed, 408 physician volunteer hours logged, and 3080 medical student volunteer hours recorded.

3. Discussion of Significance of Activity for the Population Served
RotaCare has allowed underserved patients to receive care for their chronic and acute conditions. There are many patients who have not received medical care in over 10 years. This clinic has provided them with this opportunity.

4. Description of Student Involvement in the Service Activity
The leadership team is responsible for directing the volunteering students and physicians and deciding how to assist a patient based on the chief complaint, associated symptoms, and lab results. The team is also responsible for reviewing and updating the EMR.

5. Self-Assessment of Learning (you/volunteer team)
Volunteering here reminds us why we got into medicine in the first place—to selflessly help others regardless of circumstance. Being a part of the RotaCare team has instilled the importance of showing up consistently. These services are needed in our community, and the help that we can provide—no matter how small—makes a difference in others’ lives.

6. Future Plans:
There are many others who could benefit from these services as well as others not currently offered, so improving community outreach and fundraising for more equipment is a priority. Hosting health fairs, participating in clinic-related research and partnering with other individuals of diverse expertise can help us meet these goals and strengthen our clinic as a point of care facility.

7. References:
Title: “Comience Saludable”- A Healthy Start for the El Paso Homeless Community

Authors: Alyssa K. Greenwood Francis, Sinthuja Devarajan, Madeline Goldfarb, Shri Karri, Nivethitha Manohar, Kristopher Van Huss

Key Partners: The Columban Mission Center, Opportunity Center, Veterans Transitional Living Center, Salvation Army, University of Texas at El Paso, Woody L. Hunt School of Dental Medicine, Emergence Health Network

Institution: PLFSOM

Abstract:
In honor of Martin Luther King Jr. Day, on Monday, January 20, 2020, a group of Texas Tech Health Sciences Center El Paso students will host an annual health resource fair at The Columban Mission Center for those experiencing homelessness in downtown El Paso. [1,2] Medical students developed the health fair intervention after conducting a community assessment in the downtown El Paso area, which reflected a need for free and accessible holistic health care for people experiencing homelessness. [3-5] The students spent the next few months organizing a health resource fair to include medical screenings for blood pressure, body mass index, cholesterol, and glucose by the University of Texas at El Paso; mental wellbeing screenings by Emergence Health Network; and dental screenings by the Woody L. Hunt School of Dental Medicine. [6-9] Since a single day of medical care is often insufficient by itself, attendees of the fair will receive information on how to access consistent, free health care resources, in addition to being contacted by a student-run follow-up group to track referral appointment attendance.

For this project, students engaged in service-learning and program implementation informed by contextual background, key informants, and personal reflexivity regarding the impact and benefits of such an event for a vulnerable population. Due to the transient nature of homelessness, many people experiencing homelessness are lost to the healthcare system. Holding the resource fair outside, in the familiar downtown area, with partner organizations donating their time and services will be a healthy start for individuals and families experiencing homelessness to receive care and confidence from the El Paso community.

The TTUHSC El Paso student team will next work towards bridging communications between homeless services and free health clinics to establish long-term mental, physical, and dental care services for those experiencing homelessness in El Paso.

References:
1. Rosenthal EL. Assistant Professor, Society, Community and the Individual. Director of Community-Based Education. Director of Service Learning. Texas Tech University Health Sciences Center El Paso.
7. Moya E. Associate Professor, Department of Social Work. University of Texas at El Paso.
9. Wendall W. Woody L. Hunt School of Dental Medicine
Oral Presentation: 2:35 p.m.  
Oral # 6 Category B: Multifaceted/Multi-Site Project

Title: Martin Luther King Jr Days of Service CARES Collaboration (all sites)

Author/s: Elizabeth McCain, Skye Schultz, David Arteche, Nive Manohar

Key Partners:  
Institution: PLFSOM

Abstract:

Martin Luther King Jr. Day of Service is an annual event that involves TTUHSC El Paso students, faculty and staff alongside El Paso community members in a collaborative effort to improve community health in the El Paso del Norte region. This year five community-specific interventions designed by medical students, informed by community members, were implemented in various community sites within the greater El Paso area on January 17, 2020 and January 20, 2020 and required approximately 160 student volunteers. The Montana Vista site featured local clinics, fire stations and sports leagues to host a day of fun and health education for all. There was also information for careers in medicine for teens and fun games and activities for kids. The event in Sunland Park was aimed at helping kids age 3-14 learn to read and find success in school. The day featured readings from local authors, book give-aways and health screenings. Downtown hosted an event that provided free physical, mental, and dental health care for participants predominately from the home free community. They also provided free toiletry giveaways and food for homefree communities in the Downtown area. San Elizario was the site of a resource fair aimed at providing the community with information about local health, education and safety services. The event included a cooking demonstration from a chef with lessons on healthy eating and living. The Northeast site featured a health fair aimed at veterans, spouses, surviving spouses, caregivers and families, who gathered to learn about available resources, receive health screenings, and meet with local organizations over a cup of coffee.

Finally, this year we included special initiatives that were located at different sites. The first was a mental health initiative, which aimed to improve the general mental health of El Paso by advocating for stress-management strategies in several locations during MLK Day. The second was an initiative designed to educate individuals about the dangers of opioid use and alternatives for pain management.

Each site was staffed with student volunteers and each intervention was a direct response to a need the was voiced by the community. Planning this event was enlightening, as it taught us that each community has different strengths and there is not a blanket intervention that would benefit every part of El Paso. By tailoring each site intervention to the specific needs of the community, we prioritized their needs over our convenience.
Title: Compadres Therapy - An Innovative Approach to Therapy
Authors: Jessica Avila
Key Partners: Joy E. Ferguson (executive director), Jo Ann Briggs (stable supervisor), Molly Torres (COTA)
Institution: PLFSOM
Other, please specify: Spur C Stables, Go West Stables

Abstract:

1. Introduction
Compadres therapy is a nonprofit that offers hippotherapy as a rehabilitation means to people in our community with special needs including but not limited to those who are physically, intellectually, or emotionally challenged and/or who are economically disadvantaged on a weekly, biweekly, or monthly basis.

2. Description of the Main Service Activities, Service Goals and Outcomes Volunteers serving here have a unique opportunity to assist with hippotherapy and gain a valuable understanding of its use in rehabilitation. Volunteers help with leading the horse through an obstacle course in order to activate different horse movements (vertical, lateral, and rotational) transmitted to the rider. The service goals are facilitating the therapy sessions and assisting in any way possible. Outcomes are improved verbal and motor milestones for the riders.

3. Discussion of Significance of Activity for the Population Served
Therapy is an important part of any management plan for a person with special needs. Hippotherapy has the added advantage of being outdoors and offering an emotional bond with the horse.

4. Description of Student Involvement in the Service Activity
I have volunteered with Compadres for 2 years and have completed their advanced equine skills course to be able to be more useful in the sessions.

5. Self-Assessment of Learning (you/volunteer team)
This opportunity has given me an invaluable appreciation for this type of therapy and its value. As medical professionals it will always be important to give back and serve our community.

6. Future Plans:
Continue to volunteer and advance the number of students participating in this opportunity.

7. References
Compadres Therapy: https://www.compadrestherapy.com
Joy E. Ferguson (executive director), Jo Ann Briggs (stable supervisor), Molly Torres (COTA), Spur C Stables, Go West Stable
Title: Martin Luther King Day of Service Montana Vista

Authors: Habiba Khan, Ashley Priego, Morgan Rolon-Newton, Kendall Dempsey

Institution: PLFSOM

Abstract:

This year’s Martin Luther King Day project is a culmination of months of research and work spanning from July 2019 as first year medical students entered immersion and attempted to reach out to underserved communities within El Paso. After visiting many sites in the Montana Vista community and speaking with community leaders face to face, students worked up a logic model which outlined the needs of Montana Vista at large. This logic model and the first year’s dedicated research served as a road map for our group in our endeavors to reach out to the Montana Vista community and continue a Field Day event that began in 2018.

Our group’s goal was to expand on the Martin Luther King Day event held in January 2019 by incorporating the research done by the first year students. While the original event focused mainly on the children of the community, the research we obtained pointed to the needs of the adult community which we hope to target as well. On January 18, 2020 our group will be holding the second Montana Vista Field Day at East Montana Middle school from 10am -2pm in conjunction with Baseplay. There will be field day activities such as baseball, meeting Chico the Chihuahua, and games for the children. Our event this year will also have a health fair for the parents to participate in. At this fair, we have partnered with a variety of programs and city leaders to provide attendees with free Hepatitis C screenings, family guidance information, and careers in medicine counseling for teenagers.

We reached out to various groups who can provide the Montana Vista community with useful information and resources based off the needs and concerns voiced to the first-year medical students who spoke to community leaders in the summer. We hope that by placing a heavy emphasis on the parents at this event we can attract many people and expand on the success the Martin Luther King Montana Vista Field day built last year. Our team has worked tirelessly reaching out to multiple community leaders, promotoras, and even setting up a booth ourselves in hopes of ensuring everyone at our event can take something useful from it. Our group would like to continue this tradition of having a field day in the Montana Vista community and make it an annual event in order to continue its growth. El Paso has been expanding in the direction of the Montana Vista area and it is vital that we make its community members feel as though they are not being trampled by this growth, but rather an important part of it. Montana Vista is an area that is still in need of a great deal of infrastructure and community outreach programs in order to support its loyal and continuously growing population. Our event this year and future events will hopefully be a source of this support.
Oral Presentation: 3:20 p.m.
Oral # 9 Category A: Focused/Single Site Project

Title: Mental Health Task Force - An innovative program that utilizes positivity and resilience to better the general mental health of El Paso
Authors: Maiqui Jimena, Manuel Garza, Ali Naqvi, James Fong

Key Partners: Silvina Tonarelli (TTUHSC El Paso Department of Psychiatry), Lee Rosenthal (TTUHSC El Paso), Caitlin Murphy (George Washington University)

Institution: PLFSOM

Mental health has emerged as an important topic in the recent years, and the knowledge of various mental illnesses has been integrated to popular culture. However, mental health is not simply the absence of mental illness; it is a balance of psychological, emotional, and social facets of life. The goal of the Mental Health Task Force is to reinforce these principles among the general population of El Paso. For our pioneer project, we will disperse interactive booths in all five sites of the school-wide service day event, MLK Day 2020.

Efforts will focus on two key topics, positivity and resilience, but will also include talks about the significance of physical health on mental well-being. Three activities, which will cater to the different populations served (i.e., children, families, veterans), outline the event: (1) Journal Wall, a board that will display anonymously-submitted stressors that will serve the dual role of catharsis and as a talking point for participants, (2) Picture Board, a mix-and-match board of positive and negative stressors, and (3) Resilience Trees, a board which uses a figurative tree to highlight adversities/assets (as the roots) and resulting outcomes (as the branches). Volunteers, in addition to facilitators of these activities, will also provide a short discussion on the aforementioned key topics after each activity.

It is our hope that participants of these project - in either side of the discussion table - will learn further about coping skills, managing stress, and the use of perceived setbacks to move forward mentally stronger and ultimately, live better lives. We aim to utilize this endeavor as an annual student-run project for MLK Day, and possibly, with other local health fairs within El Paso in the near future.

References:


Title:
10th Annual SUNS Health Fair

Authors:
Krysta Lin, Kevin Fraser, Giancarlo Diaz, Pavel Gonzales, Dr. Charmaine Martin
Collaborators: Huma Butta, Lucia Hernandez, Maiqui Jimena, Casandra Jimenez, Soum

Key Partners:
Dolphin Terrace Elementary School: Ms. Vivica Carlos, Ms. Cynthia Corrales, Ms. Lorrai

Institution: PLFSOM

Abstract:
10th Annual SUNS Health Fair
The 10th Annual SUNS (Students United para Nuestra Salud) Health Fair is an outreach event coordinated by TTUHSC El Paso students designed to promote health and wellness in the Northeast El Paso community. The fair provides access to primary preventative healthcare and health education. During the event, we will be providing free health care services including immunizations, blood pressure measurements, glucose checks, glaucoma and dental screenings, bicycle safety education, and other health care information. Furthermore, we hope to continue our partnership with El Pasoans Fighting Against Hunger for the food drive as well as new inclusion of an ophthalmology station.

We chose to keep the same location as last year: the Dolphin Terrace Elementary School. Northeast El Paso is a unique community with significant health disparities and poverty. By holding the health fair in this area, we are bringing awareness to this underserved community. Last year, this location brought in more than 300 attendees and 50 local businesses and school organizations. This year, we hope to expand further.

SUNS is primarily student run and organized. The students are in charge of advertising, acquiring donations and entertainment, and recruiting vendors and volunteers. In order to garner more student involvement, we again reached out to the students of the Gayle Greve Hunt School of Nursing and the Graduate School of Biomedical Sciences.

Coordinating the health fair helped us learn more about the more impoverished areas of El Paso. In addition, it helped us learn more about organizing large-scale events and being effective leaders. We also learned about time-management, balancing school and organizing this event, and working with multiple organizations, within and outside TTUHSC El Paso. The fair taught us how to be flexible with challenges that arose on the day of, as well as how to delegate and trust our peers to run the committees.
# Student Poster Presentations

**Lead Judge:** Dr. Herb Janssen  
**Award:**

## GROUP A

**JUDGES:** Alikaj-Fierro, Azim, Nino  
**Lead Judge:** A. Kasten

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<td>4:00 PM</td>
<td>Sunland Park-Health and Wellness Student Success Fair</td>
<td>Billal Siddiq, Jessica Hungate, Abhishek Dharan, Abbas Zaidi, Vansh Vohra, Melissa Huddleston, Fernando Moreno</td>
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<tr>
<td>2</td>
<td>4:15 PM</td>
<td>Preventative Medicine: Educating and donating safety sports gear to locals in El Paso</td>
<td>Grant Pham, David Arteche</td>
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<tr>
<td>3</td>
<td>4:45 PM</td>
<td>San Elizarho’s Rodeo de Recursos (Resource Rodeo)</td>
<td>David Arteche, Grant Pham, Mina Ziliae, Felipe Saenz, Manuel Garza, Maiqui Jimena</td>
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<td>4</td>
<td>5:00 PM</td>
<td>Corazon de Oro: Annual Day of Service</td>
<td>Meena Vegesna, Kelsey Van Noy</td>
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## GROUP B

**JUDGES:** Herber-Valdez, Ayoubieh, Belmares  
**Lead Judge:** C. Perry

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<td>Community Outreach Programs Addressing Opioid Safety and Veteran’s Health in El Paso</td>
<td>James Fong, Corey Miller, Maiqui Jimena, Krupa George, John Corbett, Daniel Nguyen, Grant Pham</td>
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<td>6</td>
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<td>Learning Module Teaching New Technological Advancements in Research to Silva Magnet High School (SMHS) Students</td>
<td>Kei Takigawa, Miki Wang, Jorge Cervantes</td>
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<td>7</td>
<td>4:30 PM</td>
<td>Day of Remembrance: Providing Care After Patients’ Death</td>
<td>Kelsey Van Noy</td>
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<td>8</td>
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<td>Delivering Hepatitis C Screening to Underserved U.S.-Mexico Border Community</td>
<td>Jennifer Ma, Hiral Waghela, Narinta Limtrakul, Nikita Lobo, Miguel Mena, Maureen Francis</td>
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## GROUP C

**JUDGES:** Chacon, Fuhrman, Vejil  
**Lead Judge:** E. Rivas

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<td>Senior Buddy Program: Inspiring Connection Beyond Age</td>
<td>Morgan Gallo, Jessica Hungate</td>
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<td>Crisis Text Line: Using Empathy and Technology to Empower Others</td>
<td>Heather Jones and Jessie Bangs</td>
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<td>Ready, Set, Go… On the Road - Introducing High School Students in Rural West Texas to Careers in Healthcare</td>
<td>Roshni A. Mandania, Andrea Silvas, Alexandra N. Willauer</td>
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<td>12</td>
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<td>Overcoming Potholes in Patient Education, One Pamphlet at a Time</td>
<td>Karen Vaz</td>
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## GROUP D

**JUDGES:** Mulla, Balsiger, Schultz  
**Lead Judge:** N. Fuentes

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<td>Isabella Chavez, Brooke Connor, Andrea Magallanes, Giancarlo Valenzuela</td>
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<td>Damini Patel, Karen Nevarez, Robert Martinez, Brianna Trevino</td>
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<td>15</td>
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<td>16</td>
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<td>JAMP Service Program</td>
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Vote for Best Poster and also Best Oral (if you attended) and Best in Show (Symposium) 2020 c/o PollEV  
Scan our QR code at the Registration Table to connect. Give us your feedback on the Symposium too when you connect.
Sunland Park- Health and Wellness Student Success Fair
Authors: Billal Siddiq, Jessica Hungate, Abhishek Dharan, Abbas Zaidi, Vansh Vohra, Melissa Huddleston, and Fernando Moreno
Key Partners: Marina Ardovino, Crystal Jaime, Lilia Rojas, Aaron Camacho
Institution: PLFSOM

Abstract:

The Health and Wellness Student Success Fair is an event for local community children from Sunland Park, NM. It will take place on MLK Jr. Day - January 18, 2020. However, it is a culmination of a group effort spanning the past year prior to the event. The fair will include activities such as celebrity book reading, physical health activities, teddy bear health clinic, free prizes, and book giveaways. To successfully host this event, we partnered with local schools, businesses, community leaders, and celebrities, to turn our vision into reality.

According to the U.S. Census Bureau as of 2018, only 13% of the population of Sunland Park holds a bachelor’s degree or higher forms of education, and close to 40% of the population live in poverty. Most importantly, close to 25% of the population is reported to have no health insurance. The planned activities at the event are impactful, as they look to provide opportunities for the youth of Sunland Park to learn about and engage in physical activity and value education through reading. Student involvement consists of organizing and executing the event itself. Volunteers will manage scheduled activities and assist the community members at various stations during the event.

Self-assessment will occur through multiple group discussions to explore whether learning objectives were achieved, and if not, address those shortcomings for next year's event. The future will focus on expanding the impact beyond one calendar day per year. The activities conducted at the event will be offered to community members from ages 3-14 at many points throughout the year. One possible strategy for expanding the footprint and spirit of this event is conducting interventions such as hearing, visual, and dyslexia screening at various local schools, as well as hosting reading nights at these schools.

References:
Marina Ardovino, Ardovino's Desert Crossing, October 2019.
Title:
Preventative Medicine: Educating and donating safety sports gear to locals in El Paso

Authors:
Grant Pham, David Arteche

Key Partners:
High schools surrounding El Paso, parents, teachers, school staff, La Fe Clinic

Institution: PLFSOM

Abstract:
The number of US adolescent sports related injuries is a serious health crisis. School age students begin to undergo puberty and are characterized by an increased desire for contact sports with little concern for safety or risk of injury. However, they are still incapable of grasping the long-term consequences of their actions. Many sports related injuries in adolescents can be prevented or decreased with proper use of off-the-shelf safety equipment. Under such context, the goal of Sports Medicine Interest Group (SMIG) at PLFSOM developed "Preventative Medicine" primary prevention intervention for everyone, especially school youth in combating injuries.

The program involves the following activities:
Hold a mini-session in partnership with teachers and school administrators in donations of safety sports gear consisting of elbow and shin pads.
Conduct a short PowerPoint presentation along with interactive sports related activities to middle and high school students grades 6-12th.

Engaged and educated the audience on MLK Service Day of Learning at San Elizario's Resource Rodeo with sport injury education and safety gear giveaway.

Refine content and delivery format based on feedback from school administrators, teachers, coaches, parents, and attendees. To do so, we realize that we must have a more robust feedback format such as forms or surveys to better determine if our goals were met.

Organize a session every year, starting in Spring of 2020. This program will be an expansion from SMIG’s community service on middle school students in the EPISD to include high schools, and surrounding school districts.

Expected short term impact is community awareness of sports injuries prevention and long term impact is reduction in sports injuries in the greater El Paso del Norte community.

Poster Presentation: 4:30 p.m.
Poster #3 - Sustained

Title:
San Elizario’s Rodeo de Recursos (Resource Rodeo)

Authors:
David Arteche, Grant Pham, Mina Zilaie, Felipe Saenz, Manuel Garza, Maiqui Jimena

Key Partners:
Centro de Salud Familiar La Fe, La Semilla
Institution: PLFSOM

Abstract:
The San Elizario Rodeo de Recursos was the top rated intervention of the Community Interventions proposed by first year medical students during their Society Community Individual (SCI) immersion course last July. Students discovered an underutilization of local resources available to the community, along with a general mistrust of government services by the residents of San Elizario. In this small town, located on the United States-Mexico border, most residents live below the nation’s poverty level.

To inform and enlighten the locals about local resources, a team from TTUHSC El Paso, La Fe Clinic, UTEP Pharmacy, Poison Control, Animal Control, American Red Cross, Texas Kids Dental, Texas Department of Public Health, A.Y.U.D.A, Mujer Saludable Familia Feliz, Por Mi Familia, and Healthy Mind, Healthy Life volunteers worked together to facilitate this event on Martin Luther King Day of Service. A “Smart-Card” was created and distributed, as a take-home pocket-sized card that included a comprehensive list detailing the contact information of local community partners from this event, along with emergency contact information. As the second annual event in San Elizario, last year’s theme of healthy eating was expanded upon by a charismatic chef that prepared a healthy meal and performed a live cooking demonstration. In addition, community members had the opportunity to provide healthy recipes used to create a community cookbook.

In conclusion, our goals for this event were met. We educated and enriched the lives of San Elizario residents about local resources and healthy eating. This project faced many obstacles, but has taught us the importance of patience, prioritizing the needs of a community and working with others from unique backgrounds to form a cohesive team.

Future direction includes continuation of serving and supporting the San Elizario community to the best of our ability in future MLK Day events.

References:
Title:
Corazon de Oro: Annual Day of Service

Author:
Meena Vegesna, Kelsey Van Noy

Key Partners:
TTUHSC El Paso SGA, Office of Student Services

Institution: PLFSOM

For the last several years, TTUHSC El Paso SGA has hosted a campus-wide day of service known as Corazon de Oro, which translates to "Heart of Gold." The goal of this service day is to have students from all three graduate schools go out into the various communities in El Paso to lend their time and assistance. Traditionally, SGA works with community partners and organizations to coordinate sites for students to volunteer at. We usually have had about 10-13 sites available, with up to 200 volunteers. This past year, sites included: Compadres Therapy, Baptist Clinic, YMCA, Center Against Sexual and Family Violence, Opportunity House, and El Pasoans Fighting Hunger Food Bank. Students were able to sign up for the site that they wished to volunteer at, which allows students to have the freedom to choose something they are interested in. At each of the sites, students engaged in activities organized by the individual sites. These included things such as facility maintenance, providing healthcare and health promotion, and sorting and distributing donations. After spending the morning volunteering at various sites, students were invited to gather back on campus for lunch and to discuss their experiences and meaningful incidents. Corazon de Oro provides an unique opportunity for students of all schools to come together and serve the greater El Paso community. Because healthcare requires interdisciplinary communication, this is a unique chance for nursing, medical, and graduate students to work together towards a common goal. As leaders of SGA, our goal for the coming year is to increase student participation as well as reach out to additional sites to find new ways to serve the El Paso community.
Title: Community Outreach Programs Addressing Opioid Safety and Veteran’s Health in El Paso

Authors: James Fong, Corey Miller, Maiqui Jimena, Krupa George, John Corbett, Daniel Nguyen, Grant Pham

Key Partners: Northeast Veterans One-Stop Center, Veterans Non-Profit, El Paso school district

Institution: PLFSOM

Other, please specify: Veterans, Spouses, Caregivers and Families, Teachers and School Administrators

Abstract: The misuse of pain medications and addiction to opioid is a growing national crisis. Based on CDC, over 130 Americans are dying of opioid overdoses every day. In 2017, the Department of Health and Human Services declared the opioid crisis a public health emergency. Given that El Paso has a strong military presence on the Northeast by Fort Bliss, the TTUHSC El Paso PLFSOM Anesthesiology Interest Group (AIG) developed an innovative community outreach program with the goal of addressing veteran’s health and opioid safety. In addition, AIG have a sustained public health primary prevention intervention aimed at middle school students in the El Paso school district to combat this issue as well. The goal is to educate them to “get smart” with proper use of opioid.

AIG’s new program’s on veterans involves the following: 1) Engage the audience with non-opioid pain management strategies based on CDC recommendations (e.g., physical therapy, psychotherapy) as protective factors against opioid-related health risks, 2) trivia game with questions and prizes, and 3) distribute an outline summarizing CDC recommendations on non-opioid pain management, proper use of opioid medications, overdose identification (e.g., tolerance, mixing drugs, using alone), and response to an overdose (e.g., calling 911, rescue breathing, Naloxone administration).

AIG’s sustained program on middle school students involves a 20-30 minutes PowerPoint presentation from the educational guide along with movie clips and interactive activities to grade 7-8 high school students. AIG members will be involved in the volunteer service and self-reflected of the service learning. The plan is to have this program annually. Expected short-term impact is immediate Veteran’s community awareness, increased opioid safety and improvement in veteran’s health. Expected long-term impact is reduction in misuse of opioid for medical purposes (additional pain relief) and from recreational purposes.

References:
Poster Presentation: 4:15 p.m.
Poster # 6  - Innovative

Title:
Learning Module Teaching New Technological Advancements in Research to Silva Magnet High School (SMHS) Students

Authors:
Kei Takigawa, Miki Wang, Jorge Cervantes

Key Partners:
Guadalupe Tapia

Abstract:

Introduction
With new technological advancements being discovered each day, we hope to equip students from SMHS with a mind capable of discerning the advantages and disadvantages of each tool and to embrace an open-minded attitude towards ever-changing scientific technologies.

Description of Activity
Part 1 included a student from PLFSOM along with Dr. Cervantes visiting SMHS to do a presentation about Next Generation Sequencing (NGS) and the concepts behind minION nanopore technology.
Part 2 included a hands-on interactive learning module about NGS. Students were able to apply their lab techniques learned in class and DNA sequencing knowledge to sequence actual mycobacterium DNA using minION.

Goals
Our goal is for students from SMHS to learn about NGS, how to apply their scientific knowledge towards solving a problem and gain more awareness about research and its future.

Outcomes
The activity had a positive impact on student learning and understanding as evidenced by results from a survey.

Discussion of Significance of Activity
This strengthens PLFSOM’s ongoing relationship with SMHS. Medical students from PLFSOM were also able to interact with aspiring future healthcare leaders in an interactive learning environment. Students gained a deeper understanding of the field of research.

Student Involvement
Our involvement included visiting SMHS to present students with background knowledge regarding DNA sequencing and the minION technology. We also organized a hands-on lab session on PLFSOM campus to allow students to learn and perform the necessary steps to prepare DNA for sequencing as well as how to load and read DNA using minION.

Self-Assessment
We learned as medical students that we are able to contribute to the future of research by passing on knowledge and inspiring the next generation.

Future Plans
In the future, we hope to continue partnering with SMHS to run more learning modules to allow students to apply what they are learning in their classrooms to real world situations.

Innovation
We created a first-of-its-kind opportunity for SMHS students to apply concepts and techniques they learned in their classroom into a real world situation in research.
Title: Day of Remembrance: Providing Care After Patients' Death
Authors: Kelsey Van Noy
Key Partners: UTEP and JAMP
Institution: PLFSOM
Other, please specify: St. Jude Children's Research Hospital

Abstract:

Day of Remembrance is an annual event held in honor of children who have passed away at St. Jude Children’s Research Hospital. The goal of this event is to provide an opportunity for families to come together to celebrate their child, work through their grief, and reunite with their child’s medical team, many of whom are a second family. After spending the summer working at St. Jude, I was able to go back and volunteer for this event in October 2018. As a volunteer, my role included: helping families develop remembrance boards, providing childcare while parents met for a special remembrance dinner, facilitating the bereaved parent panel, and assisting with the flag raising ceremony. Through this experience, I was able to see firsthand how healthcare providers can make an important impact even after a patient’s death. These families came back to St. Jude because they wanted to remember their child—they wanted to spend time with someone who knew their child and who they could share memories with. After speaking to several different families, it was clear that having the physicians, nurses, and staff members come by to see them meant more than they could express. This demonstrates a vital lesson for healthcare providers to understand—after losing a patient, care should continue on to include providing support to the family. While I was unable to attend this event in 2019, I do plan to return to St. Jude this year for Day of Remembrance as I believe it is a unique and valuable learning and service experience. After seeing the value of this event, it would be worthwhile to try to start a similar event and support system for families at El Paso Children’s Hospital.
Title: Delivering Hepatitis C Screening to Underserved U.S.-Mexico Border Community

Authors: Jennifer Ma, Hiral Waghela, Narinta Limtrakul, Nikita Lobo, Miguel Mena, Maureen Francis

Key Partners: Dr. Ogechika Alozie, Infectious Disease Specialist, Sunset ID Care, El Paso, Texas  Vitorria Criss, Contractor, Texas Department of State Health Services, Austin, Texas

Institution: PLFSOM

Other, please specify: Sunset ID Care and Texas State Health Department

Abstract:

About 70-85% of patients infected with Hepatitis C (HCV) will develop a chronic infection due to various factors including its often asymptomatic presentation [1]. HCV also has a higher estimated prevalence along the U.S.-Mexico border [2]. Left untreated, serious complications are cirrhosis, liver failure, and hepatocellular carcinoma. Due to available treatment options, the USPSTF recommends HCV screening for high-risk patients and patients born between 1945-1965. In 2019, the Medical Student Run Clinic (MSRC) identified a shortage of HCV screening within the Sparks Community and worked on a protocol to provide them in 2020.

Through collaboration with the Texas State Health Department, we acquired 300 free antibody test kits and 30 free HCV RNA confirmatory kits. Student leadership received training in Hepatitis C and handling of kits. Through collaboration with an Infectious Disease physician, Dr. Alozie, we developed our protocol for screening, diagnosis, and treatment: patients who are confirmed positive at the MSRC will be referred to Dr. Alozie for work-up and treatment. We estimate that each positive patient will cost the MSRC $825.10 to cover genotyping, liver fibrosis score, patient navigator, and labs. In order to assist in clinic costs, we provided an HCV pitch for grants and donations.

As we refine our process, we are evaluating other clinics’ procedures to assess where we can mitigate costs. In addition, we are improving our HCV knowledge so that we may educate the community and other student clinics. As we move forward, we anticipate screening patients at our bimonthly clinic nights. We foresee a Preventive Care Day where screening and education for hypertension, diabetes, HIV, HCV, etc. will be offered. Finally, we will share what we have learned with other student clinics to assist in reducing HCV prevalence and complications.
Senior Buddy Program: Inspiring Connection Beyond Age

Authors:
Morgan Gallo, Jessica Hungate

Key Partners:
The Legacy at Cimarron

Institution: PLFSOM

Abstract:
Senior Buddy Program offered through the Geriatric Interest Group at Paul L. Foster School of Medicine affords medical students the unique opportunity to build lasting connections with local senior citizens. The program is in collaboration with The Legacy at Cimarron, an assisted living facility, and pairs students with a single senior buddy whom they are able to meet and plan activities with according to their own schedules. Through participation in the program, students are able to gain a personalized perspective of problems affecting the geriatric population, in addition to the challenges and frustrations of navigating healthcare at an advanced age. The program aims to offer comfort and friendship to senior buddies by providing volunteers to listen, encourage, and support through an often difficult new phase of life. As regular volunteers for over a year, the connections with our senior buddies have grown beyond that of sole medical understanding and awareness. Through listening, talking, and friendship, we have built meaningful connections that transcend age and generational differences. Our experiences through the senior buddy program have not only improved our ability to communicate and understand the needs of senior patients, but strengthened our will to see and build connections with others, regardless of any perceived differences. Through sharing our experiences, we hope to increase campus awareness of the program and recruit new volunteers from all across campus, including the nursing and graduate schools.

References


Title:
Crisis Text Line: Using Empathy and Technology to Empower Others

Authors:
Heather Jones and Jessie Bangs

Key Partners:
Crisis Text Line
Institution: PLFSOM

Abstract:

Crisis Text Line (CTL) is an innovative organization that provides free, confidential crisis counseling and intervention via text messages. Volunteers receive online training on important skills like reflective and empathetic listening, strength identification, and collaborative problem-solving before they begin talking to people in crisis via the platform. In today’s world of rapidly evolving and ambiguous use of technology in the United States, volunteering as a crisis counselor for CTL poses a unique opportunity to utilize technology for service. As volunteer crisis counselors, we work on our computers, and since June 2018 (Heather) and December 2018 (Jessie) have dedicated a total of over 270 hours to conveying empathy through text. The main goal of our efforts, as well-stated by the organization officially, is to help texters move from a hot moment to a cool calm. This can vary widely depending on the texter’s crisis, and examples include feeling overwhelmed with financial difficulties, feeling isolated from bullying, and experiencing painful breakups, often times with a common thread of suicidal thoughts. Our outcomes can be seen in both quantitative and qualitative measures. Together, we’ve taken over 440 conversations and received feedback from both texters and supervisors: “Thank you for your validation and patience,” “You were definitely a light in the darkness I was feeling,” “I have the strength [for] today... [and] to tackle the issues next time,” and “Your risk assessment was spot on, and your validation is worthy of an award.” Through our work with CTL, we have learned a lot about communication and the power of words, even in the absence of body language (or even emojis!). Future plans include completing the 200 hour commitment (Jessie) and continuing to use lessons learned from CTL with patients going forward, like using reflexive listening rather than giving excessive advice.
Title: Ready, Set, Go… On the Road - Introducing High School Students in Rural West Texas to Careers in Healthcare

Authors: Roshni A. Mandania (1), Andrea Silvas (1), Alexandra N. Willauer (1)

Key Partners: Daniel Camacho, MA (2); Flor Reyes (2); Edgar Fuentes, BS (2); Patricia A. Boydston (2,3); Amanda Zaragosa2,3

Institution: PLFSOM

Other, please specify:
1: PLFSOM  2: Desert Mountain Area Health Education Center; 3: The University of Texas at El Paso

Abstract:

Introduction: Ready, Set, Go… On the Road was a 10 hour commitment per student on October 30, 2019 in Van Horn, Texas and was hosted by the Desert Mountain Area Health Education Center (AHEC).

Description: High school students from rural West Texas, including Van Horn, Sierra Blanca, Marfa, Mountain View, and Valentine were invited to attend this annual one-day event at Van Horn High School to learn about the different careers in healthcare through participating in medical student panel and hands on-activities like intubation, suturing, and infant choking workshops.

Discussion/Significance: This event hopes to inspire high school students to consider careers in medicine, offer advice for entering competitive careers, and instill in them the confidence needed to pursue seemingly unattainable goals. This event acknowledges that rural students are often at a disadvantage in the healthcare industry; an increase of rural students in healthcare would help decrease this disparity.

Student Involvement: Volunteers at this event included both medical students, who were also a part of the the two-year AHEC Scholars program, and Collegiate Double T students. Medical students led the discussion panel, where they shared their paths to medicine, offered advice, and facilitated some of the workshops.

Learning: As medical students with vastly different journeys to medicine, we are in a unique position to educate, inspire, and encourage students from disadvantaged and diverse backgrounds. The impact we can make seems magnified when reaching rural students with limited exposure, knowledge, and guidance to careers in medicine.

Future Plans: We hope that more medical students in the AHEC Scholars program will invest in this event annually and help increase its effectiveness in both delivery of content and recruitment of more west Texas rural high schools. We want to continue inspiring high school students to dream big and help them reach their goals.
Title:
Overcoming Potholes in Patient Education, One Pamphlet at a Time

Author:
Karen Vaz

Key Partners:
Sylvia Weakley - Baptist Clinic Executive Director

Institution: PLFSOM

Abstract:

In healthcare, there can be times where a gap in resources is found and there is no readily available solution. This scenario led to an invaluable learning experience for me, as a medical student passionate about promoting patient education to the underserved people of El Paso.

The Baptist Clinic is an organization in El Paso that uses volunteers to offer free healthcare services. In this community, 25.1% of adults have hyper-tension(1), and there was found to be a need for educational pamphlets on hypertensive retinopathy. In October 2019, the clinic’s executive director, Ms. Weakley, reached out to me, and I found a lack of educational brochures on this topic.

I volunteered to create brochures in English and Spanish, an opportunity that helped me grow as a future physician. I worked to ensure I used simple, clear language that the patients could understand, and that patients would walk away with key points important to instill in them. I had to consider what information would empower patients to either control their hypertension before ever developing hypertensive retinopathy, or to stop further damage of the disease. The challenge of being a non-fluent Spanish speaker, meant that I learned some new ways to communicate about hypertension in Spanish in the future, as I reached out to a native Spanish speaker to ensure proper interpretation of some phrases.

I submitted the brochures 1 week after being contacted, and Ms. Weakley approved of them. They are still currently distributed at the clinic. In the future, I will be making more patient education resources as needs arise, and Ms. Weakley knows that she can reach out to PLFSOM students for help. This experience highlighted how vital each member of the healthcare team is in assessing shortcoming in patient care, so that together, solutions can be made.

References:

2. Ms. Sylvia Weakley, Executive Director of the El Paso Baptist Clinic, working relationship from 05/2019 - present
Poster Presentation: 4:00 p.m.
Poster # 13 - Innovative

Title:
24/7, 365 Days a Year,

Authors:
Isabella Chavez, Brooke Connor, Andrea Magallanes, Giancarlo Valenzuela

Abstract:

Throughout the years of 2019 to 2020 at Silva Health Magnet High School, we have been able to be part of many projects that have allowed us to help and influence our school, community, and city. As a health oriented school, we take a holistic health approach in our service through events such as our Cystic Fibrosis Walk, Mental Health Symposium, our Walk of Hope, Strides Against Breast Cancer Walk, collecting donations for the Annunciation House, Paws for Love, making an El Paso Strong Poster and a Human Gold Ribbon. By participating in these events we are able to bring awareness and support to those in need. The significance of these activities is being able to connect with new people and create new relations that brings the community together. Our involvement includes organizing and promoting the mission of each organization to the public. As a team, we have gained leadership skills and gained a sense of empathy by observing the direct impact of different issues affecting the population. We have also acquired knowledge about diseases such as Cystic Fibrosis and Breast Cancer that we may not have been exposed to otherwise. Building towards a brighter future, our plans include expanding our service to more organizations and people to see the impact throughout the city. By doing so, we are able to influence others to do the same and motivating them to realize that a simple act of kindness goes a long way.
Title:
AUsome Sundays
Authors:
Damini Patel, Karen Nevarez, Robert Martinez, and Brianna Trevino
(NOTE: The caps “AU” are intentional)

Abstract:
AUsome Sundays is an event that takes place at Adventure Zone on the first Sunday of every month that promotes inclusivity throughout the special-needs community. Since children with Autism cannot handle busy places for too long, due to overstimulation, the purpose of AUsome Sundays is to seek the provision of a calm and sense-aware environment for the children and their families. As student volunteers, we contribute a meaningful experience for the children. From serving as “ride buddies” on the attractions to being chaperoning when they play games in the arcade, we build connections and provide a warm atmosphere. In many ways this is significant, as the children develop a bond that is difficult to build elsewhere. All in all, this experience has been very valuable to us, not only because we have learned a significant amount about Autism, but also because we have been able to personally help the children overcome difficult obstacles while maximizing their time and enjoyment. We developed more patience and compassion as well a greater sense of appreciation, as some of the tasks we complete in our daily life seem very miniscule to us while for others, they are truly grand achievements. Ultimately, we were greatly humbled to have had the opportunity to engage in such a heartwarming experience that enriched the lives of all involved and look forward to developing this program further with the experience attained thus far. With several more AUsome Sundays planned in conjunction with other special needs events for 2020, one can expect more from us in our mission to assist those with special needs.
Title:
Grooming the UTEP pre-medical community for success
Authors:
Aiyana Ponce, Dr. Charlotte Vines

Abstract:

The Medical Professions Organization at The University of Texas at El Paso (UTEP) has been working diligently in promoting and encouraging the success of premedical students both within the university and the Paso del Norte region, a medically underserved community. We are committed to creating future physicians who excel in community service, academics, and leadership through our academic and service-oriented activities.

As part of our community outreach programs, the organization is strengthening its partnership with the Candlelighters of El Paso, a non-profit organization that serves families of children with cancer. The Candlelighters are committed to supporting children with cancer from birth to age 25, and members of their families, for no out of pocket costs to the families. During one of their largest events, the annual Walk of Hope, our members volunteered and participated in set up, clean up, and encouraging the participants. As aspiring health professionals, it is important for our members to gain soft and interpersonal skills such as empathy and listening skills through these activities.

Additionally, a notable project we will host this year is the 34th annual Medical School Bus Trip that will take place at the end of the academic year. This trip entails a weeklong student-run bus trip, in which our members visit the majority of allopathic and osteopathic medical schools in Texas. To improve the quality of our member’s experiences, we have made significant changes to the organization of the trip so more students can afford to attend. Most importantly, our members who are able to attend this event will learn about essential elements of becoming a successful applicant into professional programs. We expect that these experiences will help fulfill our mission to help students earn a place in a professional health program so they can eventually return to serve this region.
Title: JAMP Service Program
Authors: Giselle Angermaier, MS2 and Jordan Carter, MS3

Key Partners: UTEP and JAMP
Institution: PLFSOM

Abstract:

The Joint Admissions Medical Program (JAMP) was created with the goal of making medical school a reality for highly qualified, economically disenfranchised students within the state of Texas. While many aspects of the program are highly structured and effective, levels of mentorship and guidance vary depending largely on the student’s home undergraduate institution. Furthermore, once students enter medical school, they are generally left to fend for themselves and may only hear from the JAMP program once a year. Many JAMP students are from a lower socioeconomic background, and may not know anyone who can guide them through the medical school process.

Recognizing these gaps in JAMP services, we created the Paul L. Foster School of Medicine JAMP service program in August of 2018 to connect incoming JAMP students with JAMP students already enrolled at PLFSOM. In our founding year our JAMP students volunteered as mentors during the PLFSOM JAMP Summer 2 Internship for the first time, where all of the JAMP students who matched to El Paso attended. We attended high school college fairs as part of the Texas Association of Collegiate Registrars and Admissions Officers (TACRAO) to provide information about JAMP eligibility, benefits, and the application process as well as how this program can pave the road to medical school. It is hoped that this will increase the number of applicants from the El Paso region applying to JAMP and gaining admission to medical school.

The JAMP Service Program has also worked with local schools to help improve the health of the community by providing information about diabetes and hidden dietary sugar to Junior High students and their parents. This Year the JAMP Service Program has formed a relationship with the JAMP program at UTEP in order to help undergrads from the area become physician.
Membership in the 100-Hour Club

Becoming a member of the 100 Hour Club comes from making time to do service in the community and then taking time to reflect on and log that community service in the PLFSOM Service Learning reflection and logging system (SL System). The SL System can be accessed via the Service Learning Canvas Site and/or thru e-portfolio.

Membership in the 100 Hour Club is automatic when students reach 100 hours of service as documented in the SL System. The invite to both join the 100 Hour Club and be acknowledged is passive so that students would be asked to actively decline to be a member of the 100 Hour Club and thus decline to be acknowledged. Students not declining will be acknowledged for service.

Acknowledgments will occur throughout enrollment period at PLFSOM at the following intervals: 100 hours, 250 hours, and 500 hours. Acknowledgments will occur at the annual Service Learning Symposium and again at graduation for the graduating class.
5:30 P.M. - Welcome

E. Lee Rosenthal, Ph.D., M.S., M.P.H
Charmaine A. Martin, M.D.

5:50 P.M.  **100 HOUR CLUB Awards**

Charmaine A. Martin, M.D.
Elizabeth McCain, MS 4
USPHS PLFSOM MS4 Awardee

6:15 P.M.  **Symposium Awards**

Lynn Hernan, M.D.
Grant Pham, MS 4-Service Chair

- **Posters:** Herb Janssen, Ph.D.
  - Sustained Projects
  - Innovative Projects (since AY 18-19)

- **Oral Presentations:** Lynn Hernan, M.D.
  - Focused/Single Site Projects (Group A)
  - Multi-Faceted/Multi-Site Projects (Group B)

- **People’s Choice Award:** Diana Pettit, Ph.D.
  - Poster
  - Oral
  - Best in Show

**Acknowledgements and Adjournment**

E. Lee Rosenthal, Ph.D., M.S., M.P.H.

Thanks to the Medical Education Department and Office of Medical Education for providing staffing for the Symposium
### 100 HOUR CLUB Awardees Service Learning Symposium 2020

**1st Year**
Class of 2023

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<tr>
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<td>Rachel A. Kitch</td>
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<td>Melissa Huddleston</td>
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**2nd Year**
Class of 2022

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<td>Min Chih Wang</td>
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<tr>
<td>Jennifer Ma</td>
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<td>Robert Rich</td>
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<td>Nikita Lobo</td>
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<td>Natalie Satterfield</td>
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<td>Carlos Bouchot</td>
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<td>Grishma Pradhan</td>
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<td>Miguel Mena</td>
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<td>Nikhil Jaiswal</td>
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<td>Kei Takigawa</td>
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<td>Tayana Rodriguez</td>
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<td>Huma Butta</td>
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<td>Habiba Khan</td>
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<td>Krysta Lin</td>
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<td>David Arteche</td>
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<td>Sara Lee</td>
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<td>Anthony Do</td>
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<td>Skye Schultz</td>
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<td>Jessica Avila</td>
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### 100 Hour Club

#### Class of 2021

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<td>Shezaan Momin</td>
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<td>Christoher Reglen</td>
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2nd Year
Class of 2022
>500 Hours

Hiral Waghela  540 Hours

Narinta Limtrakul  525 Hours