

Applying Interprofessional Global Health Principles to a Local Student-Run Free Clinic to Address the Health Care Needs in Apopka, Florida

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Introduction

In 2016, MedPACt at the UCF College of Medicine expanded its global efforts to include local healthcare by developing a student-run free clinic in the community of Apopka, FL. Faculty and students from the UF College of Pharmacy, UCF Colleges of Medicine, Nursing, Social Work, and Physical Therapy, and volunteer physicians from the Orlando community provided medical service to a culturally, ethnically, and linguistically diverse population. The breadth of services provided encompassed internal medicine, dermatology, occupational health, obstetrics and gynecology, ophthalmology, optometry, pediatrics, physical therapy, pharmacy, and social work. This interdisciplinary event allowed students to gain mentorship and first-hand exposure to clinical care in underserved populations as part of their professional development.



Global to Local

As a global health interest group, MedPACt's mission encompasses local and global health service. Since 2013, the group has established an annual summer interprofessional medical service trip to the Dominican Republic (DR). However, previous research demonstrated a strong healthcare need locally, which led MedPACt to Apopka, where there is a large population of immigrant farmworkers without health insurance or regular access to healthcare. In comparing service trips in the DR and in Apopka, the barriers to healthcare, socioeconomic challenges, medical needs, culture, and languages of the populations were strikingly similar. Additionally, providing healthcare locally will allow for a continuous network of care and utilization of social programs.

	Dominican	Apopka – July	Apopka –	Top 15 Medications Distributed		
	Republic		November	Apopka, 2016		Dom
Cost	\$2733	\$947	\$65 0	1	Ibuprofen 200mg	Lisin
Total providers	40	120	126	2	Prenatal Vitamin	Aceta
rotal providers	40	120		3	Acetaminophen 500mg	Ca C
who participated				4	Meloxicam 15mg	Ibupr
Patients served per	144	92	46	5	Lisinopril 20 mg	Adult
dav				6	Children's Vitamin	Pren
Common motions	De eterrie (Europel (De e	Dishatas	Dishatas	7	Metformin 500mg	Lorat
Common patient	Bacteria/Fungai/Par	Diabetes,	Diabetes,	8	Lubricant Eye Drops, single use	Cetir
complaints	asitic Infections,	Headaches,	Headaches,	9	Loratidine 10mg	Napr
	Diabetes.	Hypertension.	Hypertension.	10	Naproxen 220mg	Aspir
	Hypertension, Vitamin deficiencies	Extremity weakness, Skin	Extremity weakness, Skin	11	Excedrin	Ome
				12	Vitamin D3	Fam
				13	Women's Multivitamin	Metfo
		rash, Vitamin	rash, Vitamin	14	Iron 65mg	Bacitrac
		Deficiencies	Deficiencies	15	Doxycycline Hyclate 100mg	Aten

Development of Medical Skills

One of the most exciting aspects of this service learning project is the opportunity for professional health students to gain medical knowledge and develop clinical skills while addressing healthcare needs in Apopka.







Impact on the Local Community

Apopka Demographics

Total Population: 90,983 Low-Income Population: 38.47% Low-Income not served by Health Centers: 27.24% Uninsured not served by Health Centers: 12.64%

Non-white: 31.09% Hispanic: 26.24% Black: 16.89%

/lap and Apopka demographics by http://www.udsmapper.org/mapESA.cfm

Clinic Impact

July 2016 (2 clinics) Patients Served: 183 Adult: 79% Pediatric: 21% 58% female, 42% male November 2016 (1 clinic) Patients Served: 45 Adult: 89% Pediatric: 11% 64% female, 36% male



Needs Assessment: To understand the barriers to healthcare access in the Apopka community, patients were provided a survey that assessed their healthcare status.

When was the last time you saw a physician? Cuándo fue la última vez que visitaste a un médico? n=124 Within the last week (esta semana) Within the last 2 weeks (Menos 2... Within the last month (este mes) Within the last 3 months (Menos d. Within the last 6 months (Menos d. Within the last year (Menos de un. Within the last 5 years (Menos de...

Medical Spanish Education

Students are provided with the opportunity to improve their medical Spanish proficiency through a student-organized curriculum complemented by a trained medical translator. Participation in the clinic enhances students' medical Spanish proficiency. Spanish fluency of Apopka Clinic volunteers: (45) Basic, (9) Intermediate, (34) Advanced/Fluent. Other languages: Creole.





March 2017 (1 clinic) Patients Served: 66 Adult: 79% Pediatric: 21% 68% female, 32% male





An integral part of our professional development is cultural awareness for the populations served. Exposure to a culturally and linguistically diverse community that makes up Apopka allows MedPACt volunteers to better manage and approach diverse patient populations in local health systems.



Value of Interprofessional Education

In order to provide comprehensive care and an integrative learning experience, the Apopka clinic teams consisted of students and faculty in different disciplines. Volunteers including faculty and students (July/November): Medicine (48/72), Nursing (15/10), Physical Therapy (16/13), Pharmacy (20/15), Social Work (17/16), Chaplain (1), Photography/Video/Media (3). Total number of providers: 120 (July) / 126 (November)



Practice Fusion was used to create and store medical records electronically. This is a free, cloud-based software that is user-friendly and searchable. Previously, the clinic had used OpenMRS, which is an open source platform that enabled the user to customize individual forms. However, Practice Fusion has a gentler learning curve while accommodating a greater user load and allowing students to become more proficient at building patient notes.



Given the success of the first four clinics, MedPACt looks forward to establishing a sustainable program and will be hosting the next clinic in August of 2017. Additional services are actively being pursued, including mammograms, point of care testing, and vaccinations.

MedPACt is also looking forward to partnering with the local Community Health Center and Grace Medical Home, a local medical home for low-income and uninsured, to provide more specialized and long-term care.

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Cultural Education Experience





Apopka, July 2016 - March 2017 (n=113)

Electronic Medical Records

Vision Forward

Acknowledgements

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