

Jacksonville Health Equity Research Organization (JaxHERO)

Executive Summary Report



UF Health Science Center Jacksonville

JaxHERO

University of Florida College of Medicine Jacksonville

November 2012

Contents	Page
JAXHERO Faculty and Staff	3
Abstract	4
Mission Statement	4
Objectives	4
Executive Summary	5
Section 1. Patients Served by JaxHERO UF Clinics	5
Section 2. Survey of JaxHERO Providers	5
Tables and Figures	8
Table 1. UF JaxHERO Patients and Visits by Demographic Characteristics	8
Figure 1. Distribution of Patients by Health Zones	9
Figure 2. Duval County Health Zones	9
Table 2. JaxHERO UF Clinic Top Diagnoses	10
Figure 3. Distribution of Diagnosis by Diagnostic Category	10
Table 3. JaxHERO UF Clinic Diagnoses by Diagnostic Categories	11
Table 4. JaxHERO UF Clinic Profile by Total Number of Patients and Patients' Visits	13
Table 5. Demographic Characteristics of Health Providers	14
Table 6. Professional Background of Survey Participants	14
Figure 4. Areas in Research Participated in the Past 12 months	15
Table 7. Research Experience of Survey Participants	15
Figure 5. Summary of Research Interest	16
Figure 6. Reported Benefits of Participation in Research	17
Table 8. Reported Benefits of Research Participation	17

JaxHERO Faculty & Staff

David Wood, MD, MPH
Director Center for Health Equity and Quality Research
Director JaxHERO

Lori Bilello, PhD, MBA, MHS
Associate Director, Center for Health Equity and Quality Research

Carmen Smotherman, MS
Biostatistician

Mark Fafard
Research Assistant

Contact Us

Jacksonville Health Equity Research Organization (JaxHERO)

University of Florida, College of Medicine Jacksonville
Center for Health Equity and Quality Research
580 W. 8th Street
Tower 2 Suite 6015, Mailstop T-60
Jacksonville, FL 32209
(904) 244-9620 phone (904) 244-9234 fax

This report was prepared by JaxHERO research team with special thanks the Allscripts, IDX, JaxHERO providers, staff, and patients.

Suggested Citation:

Wood, D.W., Jobli, E.C., Livingood, W., Lukens-Bull, K., Smotherman, C. (2012). *Jacksonville Health Equity Research Organization (JaxHERO): Executive Summary Report*

Abstract

The Jacksonville Health Equity Research Organization (JaxHERO) is the University of Florida (UF), College of Medicine Jacksonville (UFCOMJ) practiced based research network (PBRN). JaxHERO has been registered with the Agency for Healthcare Research and Quality (AHRQ) as a member of AHRQ's PBRN Network.



JaxHERO consists of 34 UF Family Medicine, Pediatrics and Internal Medicine outpatient clinics and 12 Duval County Health Department clinics located throughout Northeast Florida. The network will focus its research efforts during the first year on reducing health disparities linked to diabetes, hypertension, and hyperlipidemia.

From January 2010 to December 2011, UF JaxHERO clinics have had 709,337 patient visits from 116,679 patients. In the same date range, DCHD JaxHERO clinics have had from 76,927 patients. Across the UF network there were visits by 28,260 patients with a

diagnosis of diabetes, 50,623 patients with a diagnosis of hypertension and 38,864 patients with a diagnosis of hyperlipidemia. A survey of 78 JaxHERO health care providers (physicians and mid-level practitioners) indicated that there is a strong interest in conducting research on diverse health topics including obesity, weight management and nutrition, patient and provider communication, diabetes, and health disparities. These findings demonstrate the opportunities within JaxHERO for clinical, intervention and dissemination research related to primary care and the interface between primary care and public health. The Center for Health Equity and Quality Research (CHEQR) is committed to the development of the research network through increasing collaborative research capacity, training of network health care providers to conduct research, education of network patients and staff on research methodology, and dissemination of study findings to the network members, patients, and community stakeholders.

Mission Statement

The mission of JaxHERO is to conduct community-based participatory and quality research in order to improve the health and health care of persons living in Northeast Florida.

Objectives

- Create a diverse network, comprising clinicians, patients and community stakeholders that fosters collaborative research
- Conduct research to reduce health disparities and increase health equity
- Educate network members, clinical staff, and patients to increase participation in research
- Disseminate findings to network members, patients and community stakeholders to develop a research agenda and determine future research topics

Executive Summary

This report will present a summary of the descriptive evaluation conducted on patients served by 34 UF Family Medicine and Internal Medicine outpatient clinics involved with JaxHERO. Summary of patient data from the 12 DCHD clinics is still in-progress and will be available in future reports. The second part of the summary will present information on 78 providers surveyed on their research experience and interests.

Section 1. Patients Served by JaxHERO UF Clinics

From January 2010 to December 2011, UF JaxHERO clinics have had 709,337 patient visits from 116,679 patients.

Table 1 summarizes the **demographic characteristics** of the patient population from UF-Jacksonville, and the number of visits by each demographic group.

- * Sixty-two percent (62%) of patients were females (n=72,292)
- * About 32% of the patients were between the age range of 46 to 64 years old (n=36,665), followed by those between 26 to 45 years old (n=31,335; 27%), then 65+ years (n=19,044; 16%). Sixteen percent (16%) of patients were less than 18 years old (n=18,923).
- * Majority of patients were Caucasian (n=57,321; 50%) followed by African American (n=41,993, 36%), then Hispanic or Latino (n=4,664; 4%) and 10% (n=11,917) had other race/ethnicity.
- * Forty-six percent of patients were single (n=53,475) and 33% were married (n=38,223). The rest of the patients were either divorced, separated, widowed, or had other or unknown marital status (n=24,981; 21%).
- * Thirty-nine percent (39%) of the patients had Commercial/PPO/HMO insurance (n=45,451), 9% had City Contract (n=10,299), and 8% were self-paid (n=9,477). The rest of the patients had Medicaid, Medicare, or Military insurance (n=51,206; 44%).

The **distribution of patients served by health zone** is presented in Figure 1. A map of Duval County health zones are presented in Figure 2.

- * One in 5 (21%) patient served was either from Zone 1 or outside of Duval County. Meanwhile, health Zone 6 had the least percent (2%) of patients across all health zones.

The **top 10 diagnoses** are presented in Table 2. The diagnoses were grouped into 14 categories. The complete list of diagnoses, grouped by diagnostic category, is presented in Table 3 and Figure 3.

- * There were a total of 399,511 diagnoses reported across the UF network, from January 2010 to December 2011.
- * The most common diagnosis was hypertension (n=50,623; 12.7%), followed by disorders of lipid metabolism (n=38,864; 9.7%) and diabetes (n=28,260; 7.1%).

The complete list of **number of patients and visits for all 34 clinics** is presented in Table 4.

- * Dunn Avenue Family Practice Center had the highest number of patients seen from January 2010 to December 2011 (n=11,196; 8.8%) and a total number of visits of 72,816 (10.3%), followed by UF Community Health Center, with 10,320 patients (8.1%) and 78,551 (11.1) visits.

Section 2. Survey of JaxHERO providers

The JaxHERO provider survey was sent electronically to 122 health care providers from the JaxHERO network which includes clinics under the University of Florida Health Science Center/Jacksonville (UFHSC/J) Departments of Community Health and Family Medicine, Internal Medicine and Pediatrics and the Duval County Health Department. The survey was developed to determine health providers' research background, experience and interests.

The total of completed surveys from both groups of providers (UF-Jacksonville and DCHD) is 78 - representing a 64% response rate for the total sample.

- * 85 providers from UF-Jacksonville were invited to participate and a total of 54 providers from this subgroup completed the survey. The response rate for this group is 63.5%.
- * 37 providers were from DCHD were invited to participate and a total of 24 providers from this subgroup completed the survey. The response rate for this group is 64.8%.

Table 5 summarizes the **demographic characteristics** of health care providers who completed the survey.

- * Sixty percent (60%, n=47) of all participating providers were females.
- * Over half were between the age range of 50 to 64 years old (n=40; 51.3%) followed by those between 40 to 49 years old (n=17; 21.8%), then 30 to 40 years (n=16; 20.5%). There were few that were from the older age group (65+ year) and younger age group (<30 years old), 5.1% and 1.3% respectively.
- * Majority of the providers were Caucasian (n=46; 59%) followed by African American (n=14, 18%), then Asian (n=11; 14%) and 5% (n=4) had race/ethnicity unknown or not reported. Eight providers (10%) indicated that they were of Hispanic origin.
- * Chi-square analyses did not indicate any statistically significant difference in demographic characteristics between participating providers from UF-Jacksonville and DCHD.

Table 6 summarizes the **professional background** of total survey participants and by subgroup of participants from UF-Jacksonville and DCHD.

- * Fifty-six percent (n=44, 56.4%) of all participating providers reported outpatient/community-based as their primary place of work, a third reported outpatient/university-based (n=25, 32.1%), and only 11.5% (n=9) had outpatient/hospital based as the primary place of work.
- * One in 3 of the total survey participants is a family practitioner (n=26, 33.3%). An equal number of nurse practitioners and physician assistants also participated (n=14, 17.9%). Participating specialists include internists (n=10, 12.8%), pediatricians (n=9, 11.5%) and an infectious disease specialist (n=1, 1.3%).
- * Not surprisingly, all survey participants indicated direct patient care as one of their major work responsibilities. Over a third (n=27, n=35%) also reported clinical teaching, and 24.35% (n=19) also does clinical administration. Six providers (7.7%) of all survey participants reported clinical research as part of their major work responsibilities.
- * Among all survey participants, the average number of ambulatory care patients seen per week is 83.52 (sd = 29.05, range: 0 to 150) while the mean total percent effort in practice was estimated to be 91.07 (sd=23.75, range: 0.37 to 110).
- * The earliest year of completion of professional training among all survey participants was reported to be 1967 while the latest was year 2010 (median year of 1994).

Section 2. Survey of JAXHERO providers (continued)

Table 7 and Figure 4 summarize the **research experience** and Figure 3 illustrates the research topic areas providers have participated in the past 12 months for the total sample.

- * Several providers surveyed reported that they participated in research in the past 12 months (n=22, 28.2%).
- * The top two areas in research that providers have participated in during the past 12 months include: asthma and allergies, and diabetes - 6.4% (n=5) for each of the two topic areas. The next areas include infectious disease; and obesity, nutrition and weight management – 3.8% (n=3) for each of the two topic areas.

Results of reported **research interests** for the total sample and for each of the subgroup of providers are summarized in Figure 5.

- * More than half of all providers in the survey indicated that they are very interested to mildly interested to serve on the JaxHERO advisory board or subcommittee (n=40; 52.6%).
- * Participating providers were also asked to indicate their interest in working on a list of research related issues (22 issues listed in the survey) with response categories ranging from (0) not interested to (3) very interested. From the list of research issues, the top five that had higher mean scores included:
 - Obesity, weight management and nutrition: mean = 1.57
 - Patient and provider communication: mean = 1.41
 - Diabetes: mean = 1.33
 - Health disparities: mean = 1.28
 - Patient adherence: mean = 1.28
- * Participating providers from DCHD had statistically significant higher mean scores (i.e. greater research interests) compared to participating providers from UF-Jacksonville in reported interest for a number of research issues including:
 - Asthma and allergies (p = .03)
 - Health disparities (p = .03)
 - Obesity, weight management and nutrition (p = .03)
 - Patient and provider communication (p = .05)

Figure 6 illustrates the comparison of **benefits to research participation** identified by the total sample of participating providers and providers from each subgroup. Table 8 summarizes these comparisons as well.

- * An overwhelming majority (97.4%) of survey participants reported at least one benefit to research participation.
- * The most frequent benefit reported for the total sample was “increase knowledge about disease processes” (n = 62, 79.5%), followed closely by “intellectual stimulation” (n = 59, 75.6%), then by “academic advancement” (n=47, 60.3%). Half indicated that “decreasing health disparities” is also a benefit for research participation (n = 39, 50%), while 46.2% (n = 36) reported “establishing UF-Jacksonville as premier academic institution” as a benefit also.
- * Analyses indicate that providers from DCHD (79.2%) are more likely to report “decreasing health disparities” as benefit to research participation compared to UF-Jacksonville providers (37%). Similarly, DCHD providers (50%) are also more likely to report “support residency program” as a benefit to research participation for themselves and the faculty in their department compared to UF-Jacksonville providers (11.1%).

Tables and Figures

Table 1. UF JaxHERO Patients and Visits by Demographic Characteristics 1/2010 to 12/2011

Patients N=116,679 and Visits N=709,337

Characteristic	Total Patients		Total Visits	
	n	%	n	%
Age				
0 to 17 years old	18,923	16.2	82,450	11.5
18 to 25 years old	10,712	9.2	39,294	5.5
26 to 45 years old	31,335	26.9	155,434	22.0
46 to 64 years old	36,665	31.4	262,261	37.0
65 years old and over	19,044	16.3	169,898	24.0
Total	116,679	100.0	709,337	100.0
Race & Ethnicity				
White	57,321	49.5	368,784	52.0
African American	41,993	36.2	264,107	37.2
Hispanic or Latino	4,664	4.0	25,932	3.7
All other races	11,917	10.3	48,095	6.8
Total*	115,895	100.0	706,918	100.0
Gender				
Female	72,292	62.0	456,125	64.3
Male	44,387	38.0	253,212	35.7
Total	116,679	100.0	709,337	100.0
Marital Status				
Single	53,475	45.8	284,799	40.2
Married	38,223	32.8	245,126	34.6
Divorced, Widowed, Separated, Other, Unknown	24,981	21.4	179,418	25.2
Total	116,679	100.0	709,337	100.0
Primary Insurance Type				
City Contract	10,299	8.4	71,594	10.1
Commercial/PPO/HMO*	45,451	39.0	232,285	32.7
Medicaid, Medicare, Military	51,206	44.9	367,691	51.8
Self-pay	9,477	8.1	36,659	5.2
Total*	116,433	100.0	708,229	100.0

**Totals may vary based on missing or unknown information on unduplicated patients*

Total visits: number of total visits in the network; Unduplicated patient: last appointment in the network when patient was seen at last clinic

Figure 1. Distribution of Patients by Health Zones from January 2010 to December 2011

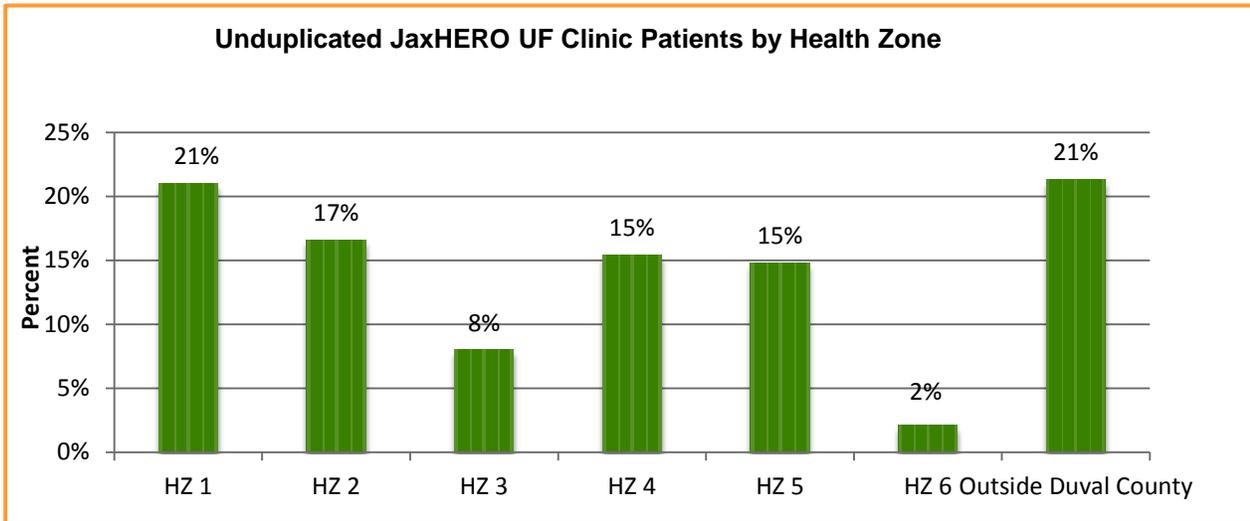


Figure 2. Duval County Health Zones

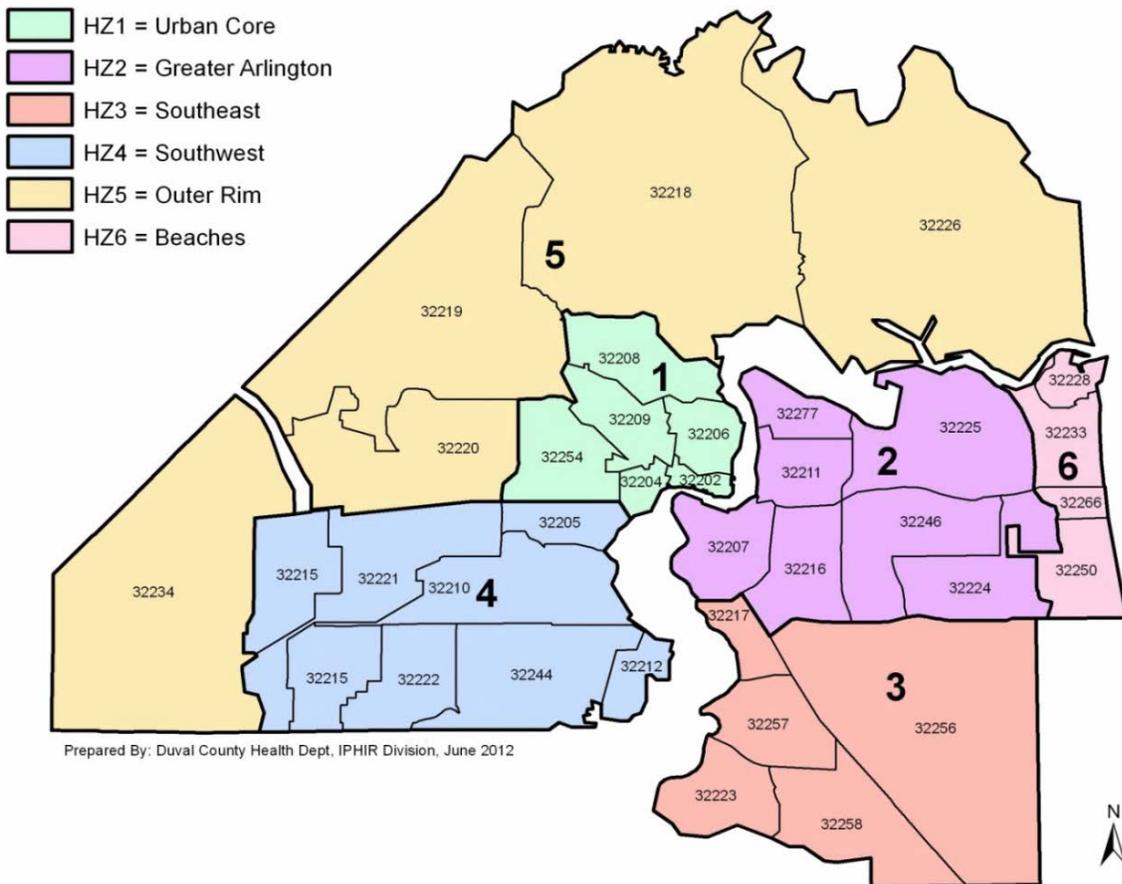


Table 2. JaxHERO UF Clinic Top Diagnoses from 1/2010 to 12/2011

Diagnosis	Total Diagnoses	
	n	%
Hypertension (HTN)	50,623	12.7%
Disorders of lipid metabolism	38,864	9.7%
Other and unspecified disorders of back	28,908	7.2%
Diabetes (DM)	28,260	7.1%
Diseases of esophagus	20,124	5.0%
Anxiety, dissociative and somatoform disorders	18,998	4.8%
Depressive disorder	17,831	4.5%
Overweight, obesity	16,259	4.1%
Asthma	14,911	3.7%
General medical examination	14,258	3.6%

Figure 3. Distribution of Diagnosis by Diagnostic Category from January 2010 to December 2011

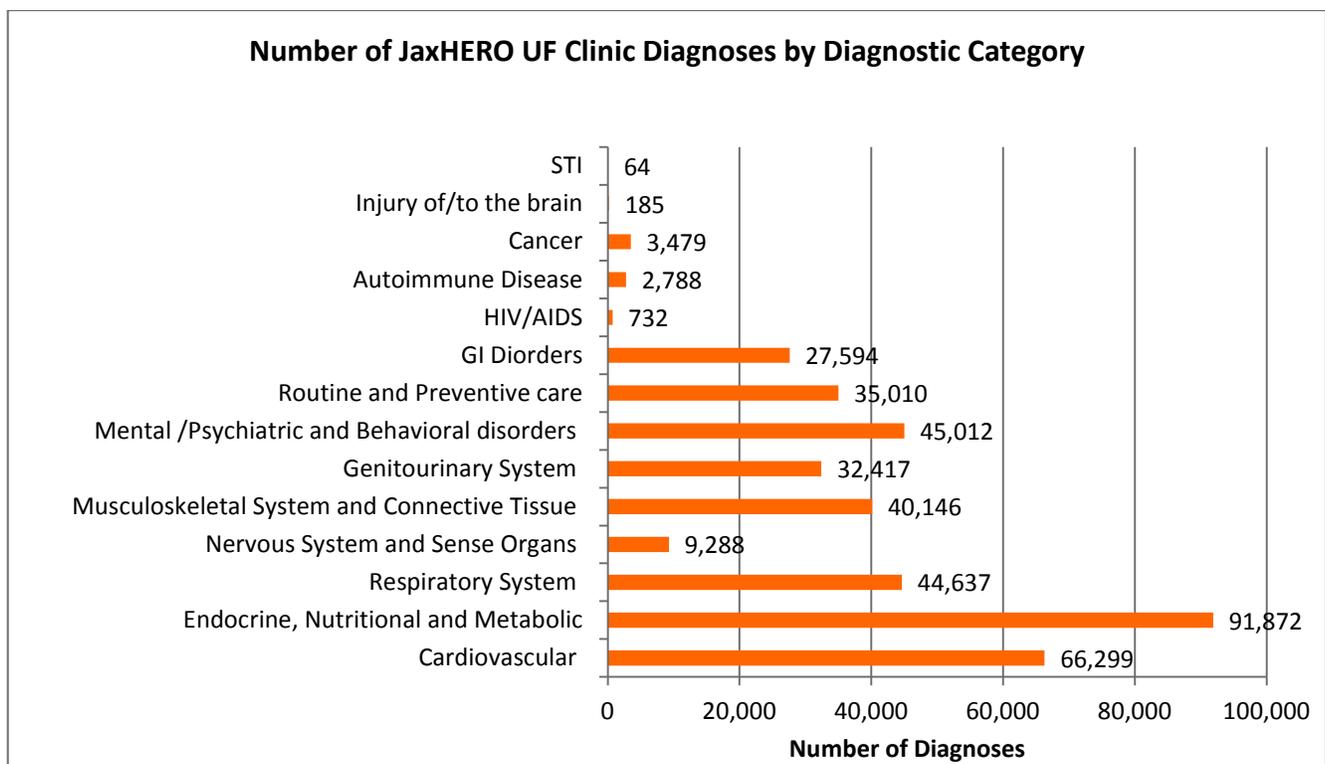


Table 3. JaxHERO UF Clinic Diagnoses by Diagnostic Categories from 1/2010 to 12/2011

Diagnosis	Total Diagnoses	
	n	%
Cardiovascular		
Hypertension (HTN)	50,623	76.4
Chronic ischemic heart disease	5,355	8.1
Cardiac dysrhythmias	4,333	6.5
Heart failure (HF)	2,955	4.5
Stroke	3,033	4.6
Total	66,299	100.0
Endocrine, Nutritional and Metabolic		
Disorders of lipid metabolism	38,864	42.3
Diabetes (DM)	28,260	30.8
Overweight, obesity	16,259	17.7
Hypothyroidism	8,489	9.2
Total	91,872	100.0
Respiratory System		
Asthma	14,911	33.4
Bronchitis	3,790	8.5
Acute sinusitis	11,523	25.8
Chronic sinusitis	5,364	12.0
Common cold	1,605	3.6
Influenza	858	1.9
Pneumonia	965	2.2
Chronic airway obstruction	5,084	11.4
Obstructive chronic bronchitis	537	1.2
Total	44,637	100.0
Nervous System and Sense Organs		
Migraine	6,704	72.2
Epilepsy and recurrent seizures	2,584	27.8
Total	9,288	100.0
Musculoskeletal System and Connective Tissue		
Fibromyalgia	4,449	11.1
Intervertebral disc disorders	6,777	16.9
Other and unspecified disorders of back	28,908	72.0
Total	40,146	100.0
Genitourinary System		
Inflammatory disease of cervix, vagina, and vulva	6,952	21.5
Pain and other symptoms associated with female genital organs	6,412	19.8
Disorders of menstruation and other abnormal bleeding from female genital tract	7,785	24.0
Hyperplasia of prostate	4,657	14.4
Cystitis	3,172	9.8
Chronic kidney disease (CKD)	3,195	9.9
End Stage Renal Disease (ESRD)	244	0.8
Total	32,417	100.0

Diagnosis (cont.)	Total Diagnoses	
	n	%
Mental /Psychiatric and Behavioral disorders		
Depressive disorder	17,831	39.6
Anxiety, dissociative and somatoform disorders	18,998	42.2
Episodic mood disorders	3,371	7.5
Attention-deficit hyperactivity disorder (ADHD)	2,879	6.4
Alzheimer	309	0.7
Dementia	151	0.3
Memory loss	1,473	3.3
Total	45,012	100.2
Routine and Preventive care (adults and pediatrics combined)		
General medical examination	14,258	40.7
Health supervision of infant or child	8,342	23.9
Encounter for contraceptive management	12,410	35.5
Total	35,010	100.0
GI Disorders		
Diseases of esophagus	20,124	72.9
Diverticula of the intestine	3,142	11.4
Hemorrhoids	4,328	16.7
Total	27,594	100.0
HIV/AIDS		
HIV/AIDS	732	100.0
Total	732	100.0
Autoimmune Disease		
Autoimmune disease	41	1.5
Diseases of connective tissue	1,093	39.2
Lupus erythematosus	135	4.8
Rheumatoid arthritis	1,519	54.5
Total	2,788	100.0
Cancer		
Bladder	173	5.0
Breast	1,083	31.1
Colon	362	10.4
Lung	299	8.6
Rectal	81	2.3
Prostate	976	28.1
Unspecified site	505	14.5
Total	3,479	100.1
Injury of/to the brain		
Concussion	82	44.3
Intracranial injury of other unspecified nature	103	55.7
Total	185	100.0
STI		
STI	64	100.0
Total	64	100.0

Table 4. JaxHERO UF Clinic Profile by Total Number of Patients and Patients' Visits

Clinic Name	Patients	%	Number of Visits	%
Anchor Plaza Family Practice	4,449	3.5	25,094	3.54
Anchor Plaza Pediatric Center	2,005	1.6	11,083	1.6
Augustine Oaks Family Practice Center	2,976	2.3	15,290	2.2
Baymeadows Family Care Center	5,806	4.5	23,721	3.3
Baymeadows Pediatric Center	4,311	3.4	22,776	3.2
Beaches Women's Health Specialists	4,673	3.7	17,779	2.5
Brentwood Family Practice Center	2,430	1.9	10,208	1.4
C B McIntosh Pediatric Center	1,048	0.8	3,769	0.5
Callahan Family Practice Center	6,051	4.7	31,868	4.5
College Park Family Practice*	1,542	1.2	10,248	1.4
Commonwealth Family Practice Center	4,559	3.6	33,985	4.8
Commonwealth Pediatric Center	641	0.5	1,714	0.2
Dunn Avenue Family Practice Center	11,196	8.8	72,816	10.3
Elizabeth G Means Family Practice Center	4,307	3.4	16,852	2.4
Elizabeth G Means Pediatric Center	553	0.4	1,398	0.2
Elizabeth G Means Women's Center	1,947	1.5	4,904	0.7
Family Medicine at Plantation Oaks	2,999	2.3	12,284	1.7
Family Medicine Center at Lem Turner	8,776	6.9	68,635	9.7
Gen 2 Gen OB/GYN at Orange Park	4,047	3.2	15,788	2.2
Internal Medicine ACC 1 st Floor	3,895	3.1	24,239	3.4
Internal Medicine Faculty Clinic	2,641	2.1	11,557	1.6
Kernan Square Family Medicine Center	4,595	3.6	28,372	4.0
Medicine Multispecialty at Emerson	878	0.7	2,937	0.4
Murray Hill Family Practice	3,826	3.0	21,722	3.1
New Berlin Family Medicine Center	4,137	3.2	25,948	3.7
Normandy Family Practice Center	4,339	3.4	20,051	2.8
River Garden Hebrew Home-OFC	26	0.02	132	0.02
San Jose Family Practice Center	4,291	3.4	22,439	3.2
Soutel Family Practice Center	2,118	1.7	11,320	1.6
Soutel Plaza Pediatric Center	434	0.3	1,023	0.1
UF Community Health Center	10,320	8.1	78,551	11.1
UF Merrill Road Family Medicine Center	4,373	3.4	23,760	3.4
UF Monument Landing Family Medicine Center	880	0.7	2,789	0.4
Yulee Family Practice Center	6,764	5.3	34,285	4.8
Total	127,833*	100.0	709,337	100.0

*College Park Family Practice closed August 2012.

**127,833 is higher than total number of unique patients (116,679) because it is the number of unique patients by clinic. So, if a patient went several times to two different clinics during this period it is counted twice, one time for each clinic.

Table 5. Demographic Characteristics of Health Providers

	Total Sample (N=78)		UF-JAX (n=54)		DCHD (n=24)	
	n	%	n	%	n	%
Gender						
Female	47	60.3	30	55.6	17	70.8
Male	31	39.7	24	44.4	7	29.2
Age						
< 30 years	1	1.3	1	1.9	0	0
30 to 40 years	16	20.5	11	20.4	5	20.8
40 to 49 years	17	21.8	9	16.7	8	33.3
50 to 64 years	40	51.3	30	55.6	10	41.7
65 + years	4	5.1	3	5.4	1	4.2
Race /Ethnicity						
Caucasian / White	46	59	33	61	13	54.1
African American / Black	14	18	8	14.8	6	25
American Indian / Alaska Native	1	1.3	1	1.9	0	0
Asian	11	14	10	18.5	1	4.2
Native Hawaiian	0	0	0	0	0	0
Hispanic	2	2.6	1	1.9	1	4.2
Unknown/Unreported	4	5.1	1	1.9	3	12.5
Hispanic / Latino Origin						
Yes	8	10.25	4	7.4	4	16.7
No	69	88.45	49	90.7	20	83.3
Unknown/Unreported	1	1.3	1	1.9	0	0

Table 6. Professional Background of Survey Participants

	Total Sample (N=78)		UF-JAX (n=54)		DCHD (n=24)	
	n	%	n	%	n	%
Primary Place of Work (Mark all that apply)						
Outpatient/University-Based	25	32.1	24	44.4	1	4.2
Outpatient/Hospital-Based	9	11.5	9	16.7	0	0
Outpatient/Community-Based	44	56.4	25	46.3	19	79.2
Other	8	10.3	3	5.55	5	20.83
Professional Role						
Family Practitioner	26	33.3	24	44.4	2	8.33
Internal Medicine	10	12.8	8	14.8	2	8.33
Nurse Practitioner	14	17.9	9	16.7	5	20.83
Physician Assistant	14	17.9	11	20.4	3	12.5
Social Worker	0	0	0	0	0	0
Registered Dietician	0	0	0	0	0	0
Psychologist	0	0	0	0	0	0
Infectious Disease	1	1.3	0	0	1	4.16
Pediatricians	9	11.5	2	3.7	7	29.16
Unknown / Unreported	4	5.12	0	0	4	16.6
Major Work Responsibilities (Mark all that apply)						
Direct patient care	78	100	54	100	24	100
Clinical research	6	7.7	4	7.4	2	8.33
Clinical teaching	27	35	18	33.3	9	37.5
Clinical administration	19	24.35	12	15.4	7	29.16
Educational administration	1	1.3	0	0	1	4.16
Year completed professional training	Median = 1994 Range:1967 - 2010		Median = 1994 Range: 1967- 2010		Median = 1996 Range: 1972- 2010	
Average number of ambulatory care patients seen per week	m=83.52; sd=29.05 Range: 0 to 150		m=91.27; sd=28.47) Range: 0 to 150		m=67.04; sd=23.25 Range: 15-110	
Total percent effort in practice	m=91.07; sd=23.75 Range: 0.37 to 110		m=90.80; sd=25.81 Range: 0.37 to 110		m=91.75; sd=18.15 Range: 40 to 100	

Figure 4. Areas in Research Participated in the Past 12 months

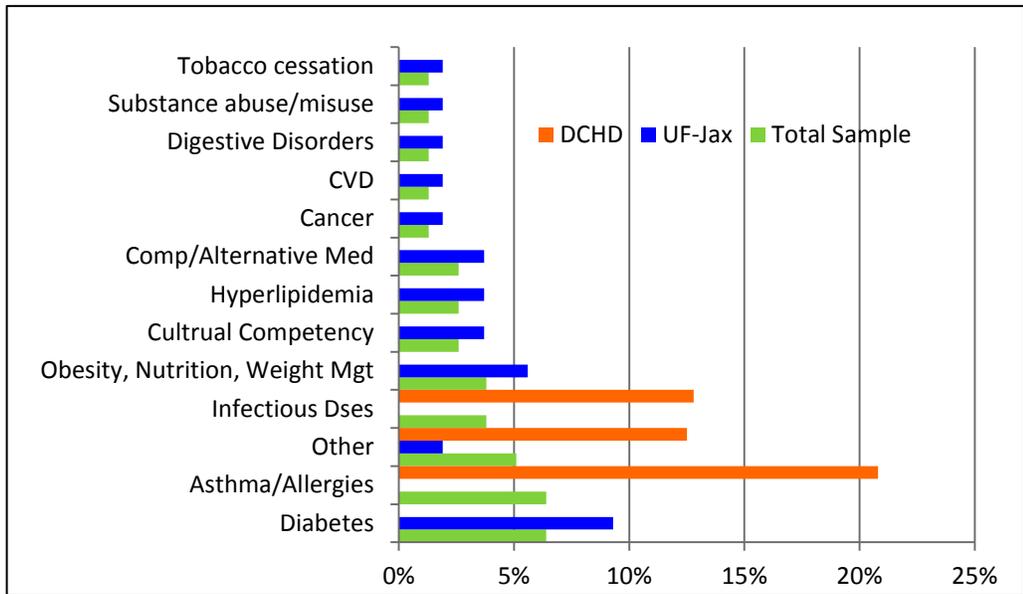
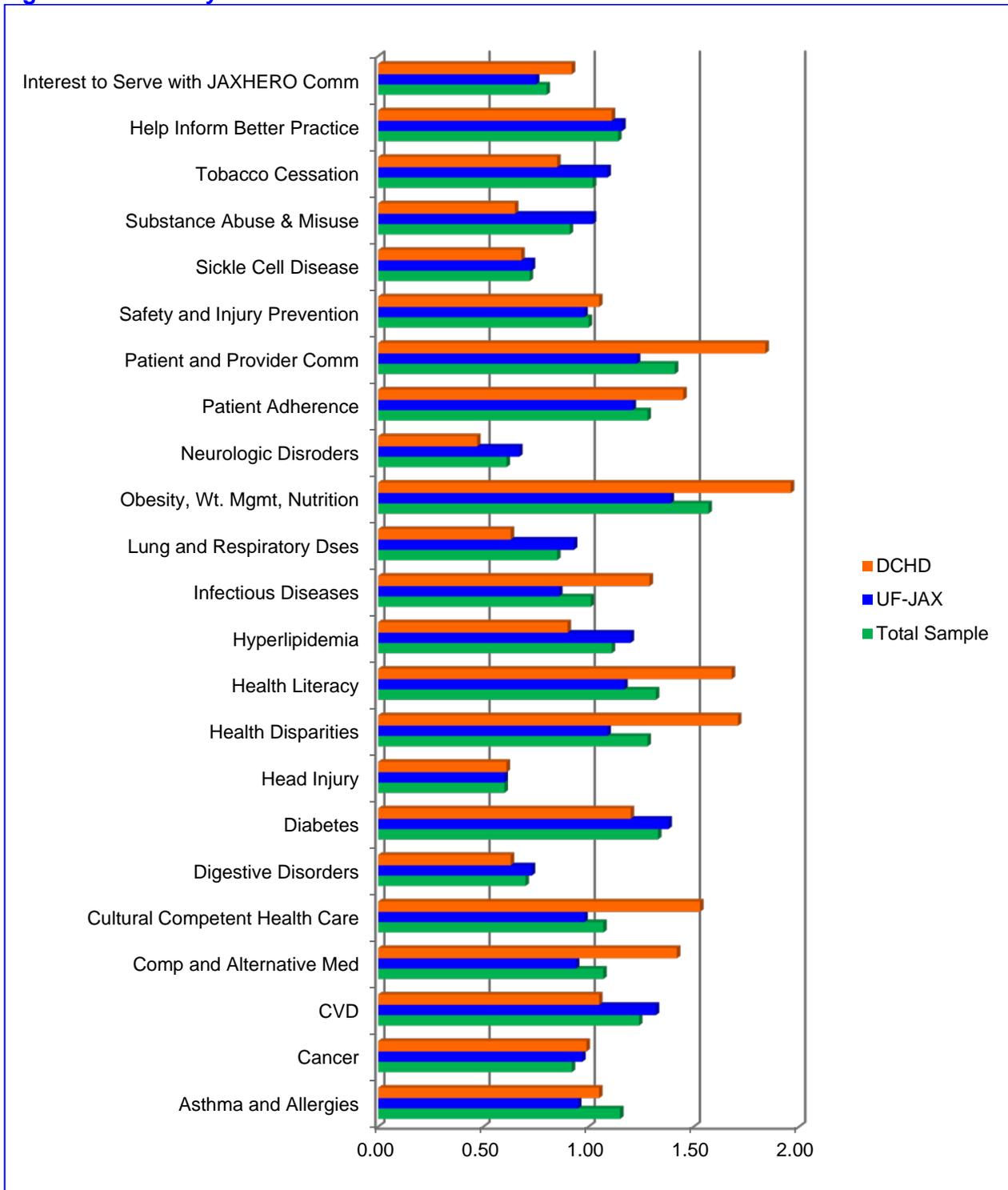


Table 7. Research Experience of Survey Participants

	Total Sample (N=78)		UF-JAX (n=54)		DCHD (n=24)	
	n	%	n	%	n	%
Have you or your practice participated in research in the past 12 months?						
Yes	22	28.2	12	22.2	10	41.7
No	56	71.8	42	77.8	14	58.3
Which of the following areas have you participated in research in the past 12 months? (Mark all that apply)						
Not sure	0	0	0	0	0	0
Asthma and allergies	5	6.4	0	0	5	20.8
Cancer	1	1.3	1	1.9	0	0
Cardiovascular disease	1	1.3	1	1.9	0	0
Comp & alternative medicine	1	1.3	1	1.9	0	0
Cultural competent health care	2	2.6	2	3.7	0	0
Digestive disorders	1	1.3	1	1.9	0	0
Diabetes	5	6.4	5	9.3	0	0
Head injury	0	0	0	0	0	0
Hyperlipidemia	2	2.6	2	3.7	0	0
Infectious diseases	3	3.8	0	0	3	12.8
Lung and respiratory diseases	0	0	0	0	0	0
Obesity, weight and nutrition	3	3.8	3	5.6	0	0
Safety and injury prevention	0	0	0	0	0	0
Substance abuse and misuse	1	1.3	1	1.9	0	0
Tobacco cessation	1	1.3	1	1.9	0	0
Other	4	5.1	1	1.9	3	12.5
Total number of areas ^a	m=0.38; sd=0.73		m=0.35; sd= 0.78		m=0.46; sd=0.58	
Are you currently involved in any research projects? ^b						
Yes	16	20.5	7	13	9	37.5
No	62	79.5	47	87	15	62.5
If yes. What was your role in these projects? (Mark all that apply)						
Answered clinical surveys	5	6.4	2	3.7	3	12.5
Referred my patients to studies	7	9	4	7.4	3	12.5
Collaborated as a research team	9	11.5	6	11.1	3	12.5
Lead investigator	6	7.7	2	3.7	4	16.7

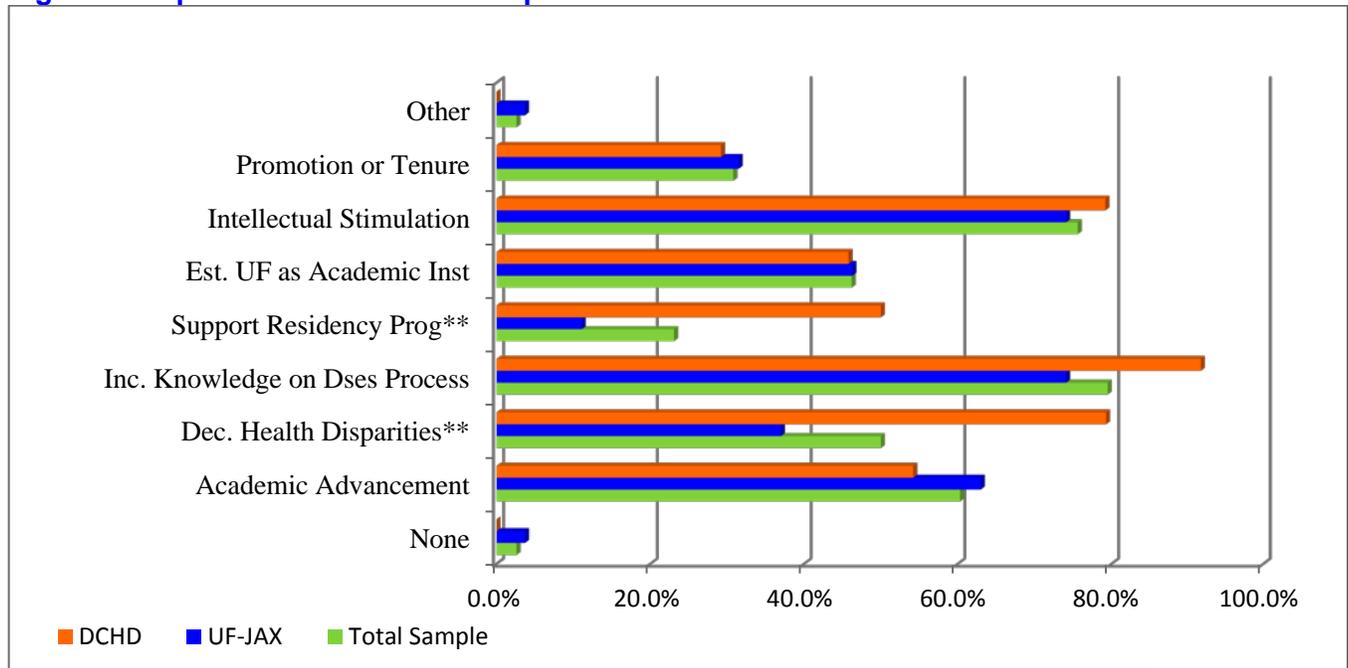
^a Total number of areas = sum of all areas identified; response range from 0 to 16; ^b $\chi^2 = 6.13$; $df = 1$; $p = .03$

Figure 5. Summary of Research Interest



Response: 0 = Not interested, 1 = Mildly interested, 2 = Interested, 3 = Very interested

Figure 6. Reported Benefits of Participation in Research



** p <.05

Table 8. Reported Benefits of Research Participation

	Total Sample (N=78)		UF-JAX (n=54)		DCHD (n=24)	
	n	%	n	%	n	%
What are the benefits research provides to you and other faculty in your department? (Mark all that apply)						
None	2	2.6	2	3.7	0	0
Academic advancement	47	60.3	34	63	13	54.2
Decreasing health disparities^a	39	50	20	37	19	79.2
Increased knowledge about disease processes	62	79.5	40	74.1	22	91.7
Support residency program^b	18	23.1	6	11.1	12	50
Establishing UF, Jax as a premier academic institution	36	46.2	25	46.3	11	45.8
Intellectual stimulation	59	75.6	40	74.1	19	79.2
Promotion and / or tenure	24	30.8	17	31.5	7	29.2
Other ^c	2	2.6	2	3.7	0	0
Total benefits ^d	m=3.68; sd=1.94		m=3.41; sd=1.9		m=4.29; sd=1.9	
What benefits would you hope to receive by collaborating with the JaxHERO research network on research projects? (Mark all that apply)						
None	8	10.3	7	13	1	4.2
Education on disease identification, management, prevention	50	64.1	33	61.1	17	70.8
Help with practice systems	34	43.6	24	44.4	10	41.7
Implementation of educational materials for patients^e	46	59	27	50	19	79.2
Information on community resources for patient referrals^f	44	56.4	26	48.1	18	75
Increase in scholarly academic participation	35	44.9	22	40.7	13	54.2
More assistance in the clinic	23	29.5	14	25.9	9	37.5
Possible academic promotion and recognition	20	25.6	14	25.9	6	25
Other ^g	2	2.6	2	3.7	0	0
Total benefits ^h	m=3.26; sd=2.14		m=3; sd=2.1		m=3.83; sd=2.5	

^a X² = 11.79; df = 1; p = .001; ^b X² = 14.15; df = 1; p = .000; ^c Other benefit listed: Improve health delivery (n=2); ^d Total benefits = sum of all benefits identified; response range from 0 to 8; ^e X² = 5.84; df = 1; p = .024; ^f X² = 4.87; df=1; p = .047; ^g Other benefits listed (n=2): Demonstrating the importance of primary care for health care delivery systems