

Nonprofit Organizations: Health Informatics to Support their Contributions to Population Health
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ABSTRACT

Background
Healthcare spending is increasing exponentially secondary to unstable and ineffective chronic disease management. Persons 65 years and older often live with multiple comorbidities. With 10,000 persons turning 65 years old each day this population will be critical to monitor as they will be a primary source of healthcare spending and utilization. The U.S. workforce to be unprepared for associated care delivery of this population. This coupled with the current administration's effort to repeal and replace the Affordable Care Act (ACA), make the services provided by non-profit organizations a paramount importance to improving population health.
Purpose
The purpose of this report is to explore how health informatics can support these nonprofit organizations as they improve populations health. The report will also outline how data analytics about salary and benefits, telehealth and mobile applications are three of the ways this can be accomplished.
Project or Case Description [Nonprofit Organizations]
Nonprofit organizations will be of key interest when addressing health disparities and high utilization of medical care in communities. Nonprofits are readily equipped with change agents who are positioned to empower, advocate and ultimately be vehicles that link communities to health equity, its top leaders must be in tune and receptive to the change agent's needs.
Methodology for Proposed Intervention
First proposed intervention for analyzing health care cost associated with chronic disease management while collaborating with non-profit organizations. The second proposed intervention for reducing health care cost associated with chronic disease management is the implementation of outpatient telehealth monitoring. The third proposed intervention for reducing health care cost associated with chronic conditions is the use of health informatics data analytics.
Results
Results will illustrate how nonprofit organizations can improve outcomes when they are supported in such as a way that bring in the most talented in the business.

BACKGROUND



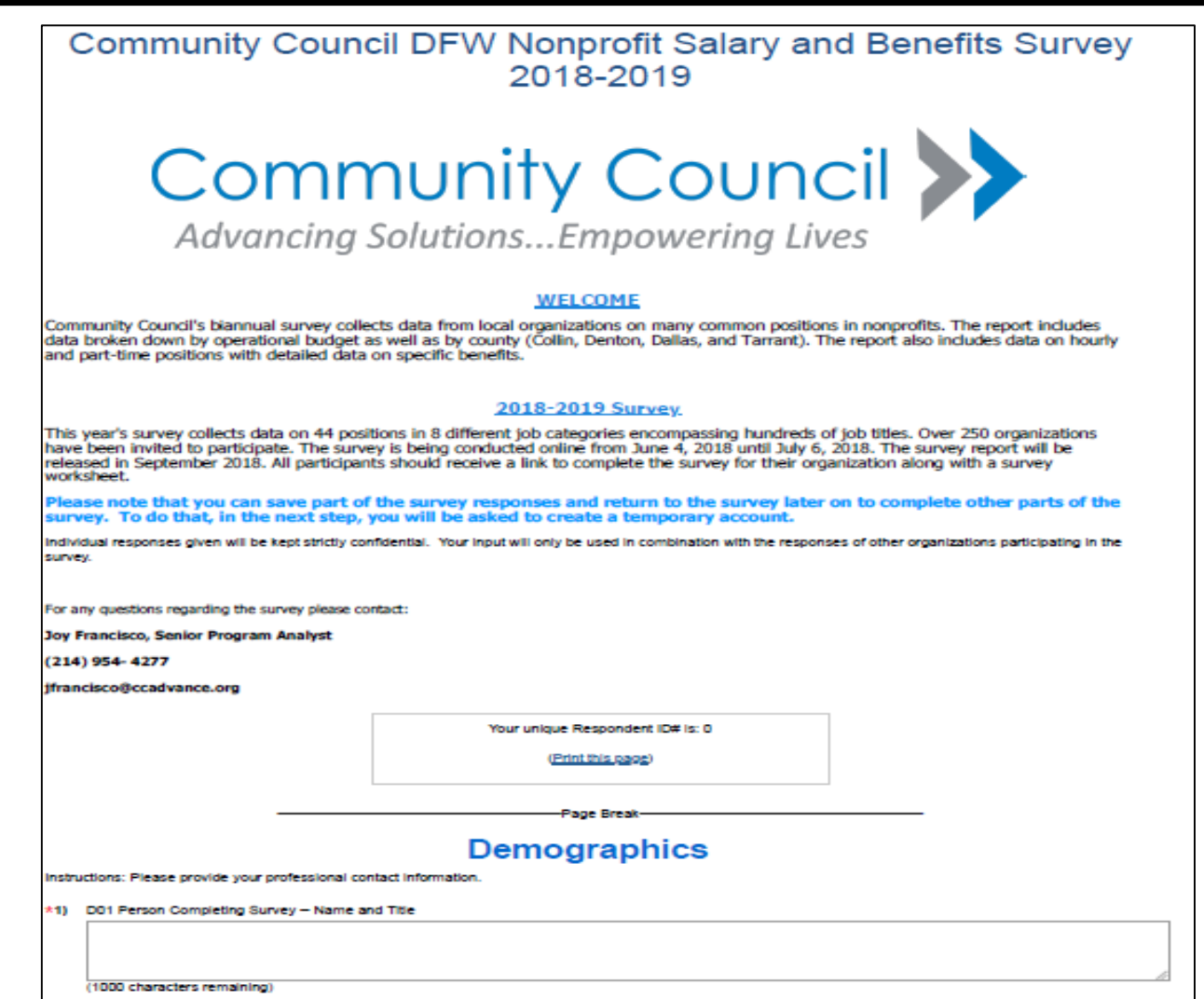
The U.S. workforce is unprepared for associated care delivery of this population. This makes the services provided by non-profit organizations a paramount importance to improving population health.

METHODOLOGY

- Intervention 1: Collaborating with non-profit organizations (Psych Data, SPSS Analytics Tool, Excel)
Intervention 2: Telehealth Monitoring
Intervention 3: Use of health informatics data analytics (nonprofit survey)



PROJECT TOOL: ONLINE SURVEY



PROJECT TOOL: SPSS STATS

Table with columns: Name, Type, Width, Decim, Label, Val. It lists various survey variables like B008_1bAveragePercentSalaryIncreasePlanned2019EXEMPT, B008_1bAveragePercentSalaryIncreasePlanned2019EXEMPTSTAFFpleasge, etc.

PURPOSE



To explore how health informatics can support these nonprofit organizations as they improve populations health

SEARCH STRATEGY

- An online review of literature was conducted via the Texas Woman's University library databases where EBSCO Host was used to search within CINAHL Plus with Full Text and MEDLINE plus with Full Text simultaneously.
A search was also conducted via PUBMED using the key words Big Data AND Chronic Disease.
The MESH headings option was also utilized. Keywords used were telehealth AND congestive heart failure; nonprofit organizations AND chronic disease AND social determinants of health.
The search was refined by adding the following filters: (a) published from January 2013 to August 2018, (b) full text. The refined search yielded several results that were examined for appropriateness for this paper upon discretion.

RESULTS

- Nonprofit - Braveman & Gottlieb, 2014 & Sterling et al, 2018 advocate that nonprofit health organizations should collaborate and leverage resources as they are a link to thriving communities.
Nonprofit - It is recommend that health care systems look towards services that address the social determinants of health to reduce cost associated with chronic disease management and care.
Data Analytics - Schiefelbein, 2014 reports that health informatics and big data analytics being largely beneficial to multiple areas including cost reduction and therefore have proved useful in various phases of chronic disease management and could help reduce the chronic disease burden.
Telehealth - Slight variations occur for telehealth monitoring and the ability to decrease all cause readmissions, (Smith, 2013 & Xiang, 2013) suggest that the implementation of outpatient telemonitoring of patients diagnosed with congestive heart failure that this particular intervention has the ability to decrease acute care hospital readmissions associated with heart failure; as a result this would decrease associated cost.
Literature Review - See table 1 for list of key evidence-based studies.

Key Literature Review Articles

Table with 6 columns: Title, Patient Population, Intervention of Interest, Comparison of Interest, Outcome of Interest, Strengths/Limitations. It lists articles such as 'Meta-analysis and meta-regression of telehealth programmes for patients with chronic heart failure' and 'Effect of Telemonitoring on Re-Admission in Patients with Congestive Heart Failure'.

PROJECT DESCRIPTION

Nonprofits are readily equipped with change agents who are positioned to empower, advocate and ultimately be vehicles that link communities to health equity



PROJECT TOOL: EXCEL

Screenshot of an Excel spreadsheet showing a list of nonprofit organizations with columns for name, address, and contact information.