

COVER LETTER

To Vetting Committee; for Joseph Kipchumba Toweett

Nominee for CEC Agriculture Livestock and Cooperatives

C/O County Assembly – Bomet County

Through The clerk of the County Assembly

Box 590-20400

Bomet



THE FOLLOWING ARE THE PROJECTS DONE
BY DR. JOSEPH KIPCHUMBA TOWEETT
WITHIN BOMET COUNTY

1. LONGISA HOSPITAL, BOMET COUNTY & MD

ANDERSON PARTNERSHIP CANCER PROGRAM

2. DONATION OF MEDICAL EQUIPMENT'S

3. SOTIK REHAB CENTER

4. MEDICAL CAMP 2017

5. WATER DEVELOPMENT PROGRAM

6. YOUTH EMPOWERMENT PROGRAM

INTRODUCTION

DONOR MOBILIZATION AND COMMUNITY DEVELOPMENT

1. University of Texas health science center(MD ANDERSON) extension for community care outcomes { ECHO} program
2. Supplied medical equipment's' (blood pressure and blood sugar machine, digital sonograms) to the following 20 dispensaries (Chebilat, Saruchat, Simbi, Kapchumbe, Kipsonoi, Kiptulwa, Kapletundo, Tembwo, Motiret, Kipsingei, Kapkures, Cheboet and Lelechwet health recovery unit.
3. Negotiated with donors for the construction of Sotik rehabilitation center for alcohol addiction and recovery unit scheduled to be open in 60 days.
4. Mobilized for medications from USA physician group of Dr. Chang and Africa water wells worth ksh 2 million. The medical camp provided medical assistance to different patients' population in sotik (Rongena/Manaret ward, Chemagel and Kpletundo ward) over 1000 patients received free medical screening and treatment.
5. Organized for Ksh 3 million borehole installation in Kapkesembe village of Kapletundo ward in June 2017 with donor program of Africa water wells and water is life team USA. The project is estimated to provide clean water to about 5000 residents in the community
6. Youth empowerment program. Enhancing sport development in Bomet county

LONGISA HOSPITAL, BOMET COUNTY & MD ANDERSON PARTNERSHIP CANCER PROGRAM



Initiated partnership & Collaboration with university of Texas health science center (MD ANDERSON)

Extension for community care outcomes (ECHO) Program

The collaboration will assist Bomet County health professionals and physicians connect directly with medical consultants in Texas, USA for treatment of cancer, diabetes and other medical conditions thus alleviating the cost and burden medical treatment. For program details <https://www.echo.unm.edu>

DONATION OF MEDICAL EQUIPMENT'S



Supplied medical equipment's' (blood pressure and blood sugar machine, digital sonograms) to the following 20 dispensaries (Kamirai, Chebilat, Saruchat, Simbi, Kapchumbe, Kiricha, Kaptulwa, Kapletundo, Tembwo, Motiret, Kipsingei, Kapkures, Cheboet and Lelechwet health recovery unit, among others health centers

SOTIK REHABILITATION CENTRE



Organized the construction for Sotik Rehabilitation Centre a partnership program with Africa Water Wells International in Manaret ward Sotik Constituency. The program will help those patients who need rehabilitation alcohol recovery. In addition partner with Longisa Hospital as a satellite clinic for cancer management. The Governor Dr. Laboso witnessed the ground breaking ceremony of the clinic

DR. TOWETT MEDICAL CAMP 2017



Mobilized for medications from USA physician group of Dr. Chang and Africa water wells worth ksh 2 million. The medical camp provided medical assistance to different patients' population in Sotik (Rongena/Manaret ward, Chemagel and Kapletundo ward) over 1000 patients received free medical screening and treatment.

WATER DEVELOPMENT PROJECTS



Organized for ksh 3 million borehole installation in Kapkesembe village of Kapletundo ward in June 2017 with donor program of Africa water wells and water is life team USA. The project provides clean water to about 5000 residents in Kapletundo ward.

YOUTH EMPOWERMENT PROGRAM



Donated soccer ball to over 10 football teams at Bomet County to promote Youth's activities. The team benefited included Kamungei FC, Chebirbellek, Kamirai, Kiricha, Chebongi, Kipngosos and Kapletundo F.C. We Sponsored f Bomet Youth Athletic program in partnership with Otechgaa International annually

OTHER ACHIEVEMENTS IN BOTH COMMUNITY & INTERNATIONAL PARTNERSHIP
DEVELOPMENT PROGRAMS:

- ✓ Participated as co-anchor with KassFM Washington DC "KassFm Counties Program" from 2013 on civic education on devolution after the promulgation of the 2010 constitution.
- ✓ Researched and printed the "*Unsung Heroes of Lancaster*" excerpts in the "An account of Kenya's Constitutional and Political Transformation- from the diary of the late Dr. Taaitta Toweett, a former veteran politician and Education Minister in the Jomo Kenyatta Government from 1970- 1979.
- ✓ Developed Sister-City relationship in 2015 with Bomet and the City of Milwaukee in USA with Dr Alice Kones who secured a guaranteed loan for the improvement of water and sewage services within Bomet County. This avenue should be pursued further to improve water and irrigation services.
- ✓ Member of the task force to find a valuable market for Bomet Tea internationally in the city of Chicago, and Kansas City USA. Several potential business & outlets expressed interest if the tea was pre-packaged and ready for export, therefore providing direct income for Bomet farmers.
- ✓ Sponsored working business relationship with the Mayors of the city of Maryland and the City of Durham, North Carolina to establish bilateral relations with Bomet County in 2016-2017 as Bomet Diaspora committee with Ben Kurgat, Dr. Alice Kones and Michael Rugutt. Key objectives for the committee were; sports development, athletic scholarships, enhance tourism, investments, medical research and technology. The meetings were held in Washington DC

REFERENCES:

Dr. Kibet : 0727682752

Dr. Terer : 0718856844

Bill Rutto : 0721368361

Dr. Sambu : Email [kipsambu @yahoo.com](mailto:kipsambu@yahoo.com)

WELCOME

9/9/2015

KNOWLEDGE AND PERCEPTIONS AMONG CERTIFIED DIABETES EDUCATORS (CDE) IN TEXAS- A CORRELATION STUDY

ATSU
A.T. STILL
UNIVERSITY

Joseph K. Toweett RN, BSN, MSc Health Admin.
Principal Investigator, A. T. Still University
Eric Mathews, Ph.D., Doctor of Health Sciences,
A.T Still University

Introduction

- ▶ 25.8 million diabetes population in U.S and 1.8 million cases in Texas (CDC, 2015).
- ▶ 30.1 million by 2030 in U.S (Wilder et al., 2004).
- ▶ 1 in 3 Americans will be diagnosed with diabetes by 2050 (WHO, 2015).
- ▶ \$ 245 billion (indirect & direct) diabetes costs (CDC, 2015).
- ▶ Diabetes complications; renal, neuropathy, retinopathy, depression and cardiovascular diseases and stroke.
 - ▶ (American Diabetes Association [ADA], 2015).

Background

National Medical Standards of Diabetes Care;

- ▶ Ongoing education support
- ▶ Access to instructional staff (nurses, dieticians)
- ▶ Individualization
- ▶ Self-efficacy (confidence)
- ▶ Quality improvement
(Association of American Diabetes Educators, 2015,
Powers et al., 2015).

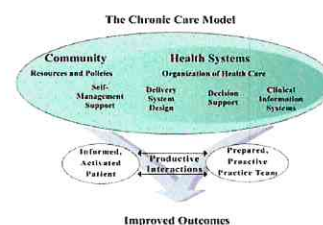
Background (cont.)

- ▶ Patient factors : Nurses competence and diabetes Knowledge level, patient readiness to learn and educational level, motivation & self-efficacy barriers- (Chan & Zang, 2007), Inzucchi et al. (2012), Kent et al. (2013).
- ▶ Family factors : Social support, community programs, socio-economic status, income level and family participation in care and counseling - Ackroyd and Wexler (2014), Lorenzo (2013). Latham and Calvillo (2007), Pelletier and Stichler (2014).

Problem Statement

- ▶ The need for patient-centered guidelines according to the Institute of Medicine (IOM) *Crossing the Quality Chasms*.
- ▶ Increasing diabetes population & Health disparities
- ▶ Cost containment, improving health outcomes, quality of life
- ▶ Psychosocial & behavioral support
- ▶ Coordination of care across the continuum
- ▶ Shared decision making and family support
(Institute of Medicine, 2015)

Chronic Care Model



Donabedian Theory (Pelletier & Stichler, 2014)

Donabedian's Quality Framework



Certified Diabetes Educators (CDE, RNs)

- ▶ Certification by National Board for Diabetes Educators (NCBDE) and recognized by the Association of American Diabetes Educators (AACE).
- ▶ Focus on risk reduction, compliance with treatment, motivation, reinforcements and behavior modification
(Powers et al., 2013).



Review of Literature

- ▶ Drass et al. (1989)
- ▶ Gossain et al. (1993)
- ▶ Baxley et al. (1997)
- ▶ Chan and Yu-Li (2007)
- ▶ Lorenzo (2013)
- ▶ Seidel et al. (2014)



Rationale

Recommendations from ADA based on the chronic care model.

- ▶ Health delivery system design
- ▶ Self-management support (dsme)
- ▶ Evidence based- decision support
- ▶ Community resources to support healthy lifestyle
- ▶ Collaboration through a multidisciplinary team- approach
(American Diabetes Association, 2015)



Purpose of the Study

- ▶ To explore the knowledge and perceptions in diabetes education among CDE RNs for patient and family centered constructs.
- ▶ Further research on specific components in diabetes self-management education may stimulate cultural sensitive interventions among CDE RNs.

Hypotheses

H1: Is there a statistically significant relationship between the patient-centered and family-centered constructs in diabetes education among CDE RNs?

Methodology

Data Collection:

- ▶ ARP study exempted from IRB full review, minimal risk
- ▶ Email request sent to subjects via Survey-Monkey link
- ▶ Data collection: Feb 15, 2015 through March 15, 2015
- ▶ Received ($n=37$) responses
- ▶ ($N=30$) included in final sample

140 CDE RNs

Instrument

- ▶ Institute of Health (2015) validated instrument. 11-item constructs for family and patient-centered care.
- ▶ Measured Knowledge and perceptions for CDE RN nurses
- ▶ Likert Style answers ranging from never (1), almost never (2), sometimes (3), fairly often (4) or very often (5).
- ▶ See Instrument

140 CDE RNs

Sample

- ▶ Participants ($n=30$).
- ▶ Convenience sample methodology among CDE RNs.
- ▶ Inclusion criteria: post secondary education, member of the American Association of Diabetes Educators (AADE) and registered as a nurse in the state of Texas .
- ▶ Exclusion: Nurses not members of AADE.

Statistical Analysis

- ▶ SPSS Grad Pack Version 22
- ▶ Pearson correlation to explore relationship for constructs
- ▶ Factor and Reliability analysis measure construct validity
- ▶ Alpha value of 0.05 ($p<0.05$, two-tailed) to test the correlational analysis hypothesis

Factor Analysis

- Measure instrument construct validity and essential in hypothesis testing (Portney & Watkins, 2009).

Computations for:

Eigenvalue
Variance
Scree Plot
Residuals

Results

PFCC Variable	(N)	Mean	SD
Certified Diabetes Educator RN	30	1.00	.000
Mission/Vision	30	4.57	.858
Care Coordination	30	4.73	.450
Collaboration		4.41	.946
Cultural Diversity	30	337.60	1824.72
PFCC Staff Support	29	4.38	1.015
Medication Reconciliation	28	4.64	.911
Respect & Partnership	28	4.46	.881
Educational Portals	27	3.89	1.340
Team Work & Collaboration	28	4.25	.967
Access to PT records	27	3.74	1.228
Communication	28	4.43	.879

Hypotheses Testing

Factor Analysis for Patient-Centered Component

Construct	Patient-Centered	Value
Qr2	Mission and Vision	.872
Qr4	Patient Staff Support	.869
Qr6	Access to Medical Records	.796
Qr8	Medication Reconciliation	.649
Qr10	Patient Collaboration	.804

Hypotheses Testing

Factor Analysis for Family-Centered Component

Construct	Family-Centered	Value
Qr3	Organization collaboration	.649
Qr5	Cultural Measurements	.671
Qr7	Educational & Information	.555
Qr9	Respect & Partnership	.755
Qr11	Web Portal Resources	.665
Qr12	Family Communication	.808

Results

Cronbachs Reliability Test for Patient-Centered Construct Reliability Statistics

Cronbachs Reliability Test for Patient-Centered Construct
*
Reliability Statistics

Cronbach's Alpha	N of Items
.866	5

Results

Cronbachs Reliability Test for Family-Centered Construct Reliability Statistics

Cronbachs Reliability Test for Family-Centered Construct
Reliability Statistics

Cronbach's Alpha	N of Items
.754	6

Cronbach Reliability Analysis

Patient-Centered Constructs Alpha level	.866 Reliability Coefficient
Family-Centered Constructs Alpha Level	.754 Reliability Coefficient
Reliability	7.00 (Reliable)

(Portney & Watkins, 2009)

PEARSON CORRELATION HYPOTHESIS TESTING RESULTS

Pearson Correlation			
		Patient-centered component	Family-centered component
	Pearson Correlation	1	.385*
Patient-centered component	Sig. (2-tailed)		.048
	N	29	27
	Pearson Correlation	.385*	1
Family-centered component	Sig. (2-tailed)	.048	
	N	27	27

*. Correlation is significant at the 0.05 level (2-tailed).

Discussions

- ▶ The study observed statistically significant correlation ($p < .05$)
- ▶ Similar to previous studies by Chan and Zang (2007), Drass et al. (1983), and Gossain et al. (1993).
- ▶ PFCC constructs are valuable in the advancement of diabetes education and self-management programs.
- ▶ Perceptions and knowledge level for CDE, RNs is pivotal in diabetes care and management.

Implications/Further Research

- ▶ Diabetes education & evidence-based practice guidelines.
- ▶ Further research critical to maintain cultural sensitive interventions among nurses
- ▶ Future research on PFCC should be valuable to other clinicians (e.g. dietitians, pharmacists, social workers)

Conclusion/Limitations

- ▶ Knowledge and perceptions for the constructs are crucial in diabetes care and management.
- ▶ Due to the small sample size ($n=30$), the results may not be a representation of the majority of American diabetes nurses population.
- ▶ The use of convenience sampling to increase participation rates could lead to selection bias, thus random sampling could be appropriate.

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Acknowledgments

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2. Prof. John Rugutt at the University of Illinois - Chicago for his helpful advice on statistical analysis.

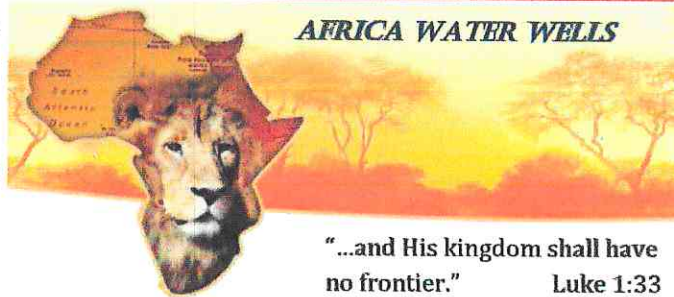
Questions?

Questions and Answers



Thank You

Oftentimes God brings unusual circumstances into the life of a ministry and this is one of them.



Joe Toweett, our Kenyan team member, contacted his internist in Carrollton, TX, who had wanted to join our mission. Joe informed Dr. Chang of our 2017 Africa trip and mentioned we had been given a half acre of land by his uncle. The land was to be used to build a clinic and meeting place for those struggling with addictions.

Members of the AWW team were requested to meet with Dr. Chang and to our amazement he said: "I have been praying for God to provide a country I could invest my time in - then Joe called. I see this as the answer to my prayer. I plan to go with you in June." God provided an architect from the 2016 team, Rick Sacy, who has prepared drawings.



Dr. Chang, left, and members of his team with Joe Toweett.

The estimate for the building, which can be enlarged, is \$15,000 US and is 100% funded.

Groundbreaking & construction of Clinic and AA Bldg.

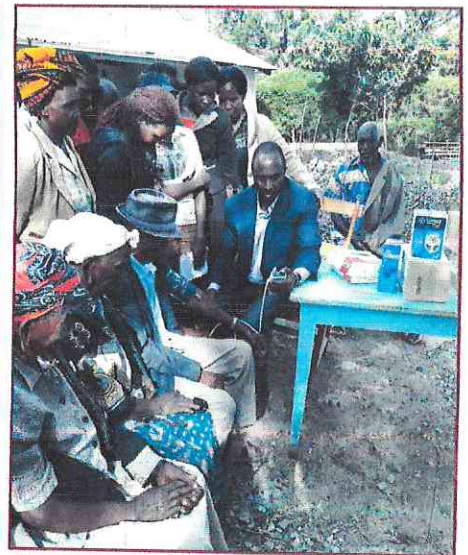


2017 Kenya Trip Scheduled

The date has been set for the team to leave the first week of June. If you want to join us on this life changing adventure contact Sandy at: sandy_mulcahy@yahoo.com

Joe's Trip To Kenya

On January 10th Joe left for Kenya to provide AWW coordination of borehole details and clinic site preparation. He took with him a number of medical supplies in preparation of Dr. Chang's visit in June. Below Joe is documenting blood pressures so Dr. Chang and team will know whom to treat.



Water Is Life Chosen for Borehole in Kapkesembe

A not-for-profit organization has been chosen to drill the water well at Kapkesembe. Water Is Life provides water, sanitation and hygiene solutions to save lives and transform communities. The group has years of experience in several nations. **This project's estimate is \$33,250 US and is 100% funded.** The Project Description follows:

DISCOVERY- January 2017: WiL Staff attended meetings with Dr. Joe Toweett and walked the community. Researched current water supply and access and discussed a community invitation for partnership. Have assessed the long term water needs; sanitation and hygiene are next steps.

PHASE I - April 2017: Initiate WATERisLIFE Village Transformation Model.

Goals:

- Implement water, sanitation and hygiene program solutions with Village Leaders, Water Council, community members and school administration.
- Facilitate training and provide materials to form a water business

PHASE II: - April 2017: Initiate CLTS and Sanitation Credit Program

Goals:

- Sanitation assessment and activation plan. Community Lead Total Sanitation (CLTS) Training and Latrine Artisan Training
- Hygiene Education included in school curriculum, initiate soap making biz.
- Set up Sanitation Credit Process to stimulate latrine builds in community.
- Monitor progress

PHASE III - June 2017:

Goals:

- Drill a borehole well, install solar/electric pump, and water delivery system.

Need for Borehole at Clinic/AA Bldg Site

A water well, holding tank, and sanitation/hygiene solution is also needed in the town of Sotik at the new Clinic/AA bldg. This will be an excellent site for sanitation and hygiene training that will extend far beyond the village of

Kapkesembe. **This project is unfunded and is estimated at \$36,250 US.**

Gifts to AWW

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