

# Academic Nursing Centers: Innovative Models of Care

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# Participants will be able to:

1. Describe a new opportunity within academia for nurse-led care.
2. Evaluate the outcomes and contributions of academic nurse-led care.

# The Nursing Center: Concept and Design

- “Organizations that give the client direct access to professional nursing services.”
- “These centers diagnose and treat human responses to actual and potential health problems, and promote health and optimal functioning among target populations and communities. The services provided are holistic and client-centered.”
- “The primary characteristic of the organization is responsiveness to the health needs of the population.”



(ANA, 1987, p. 1)

# Academic Nurse-Managed Centers

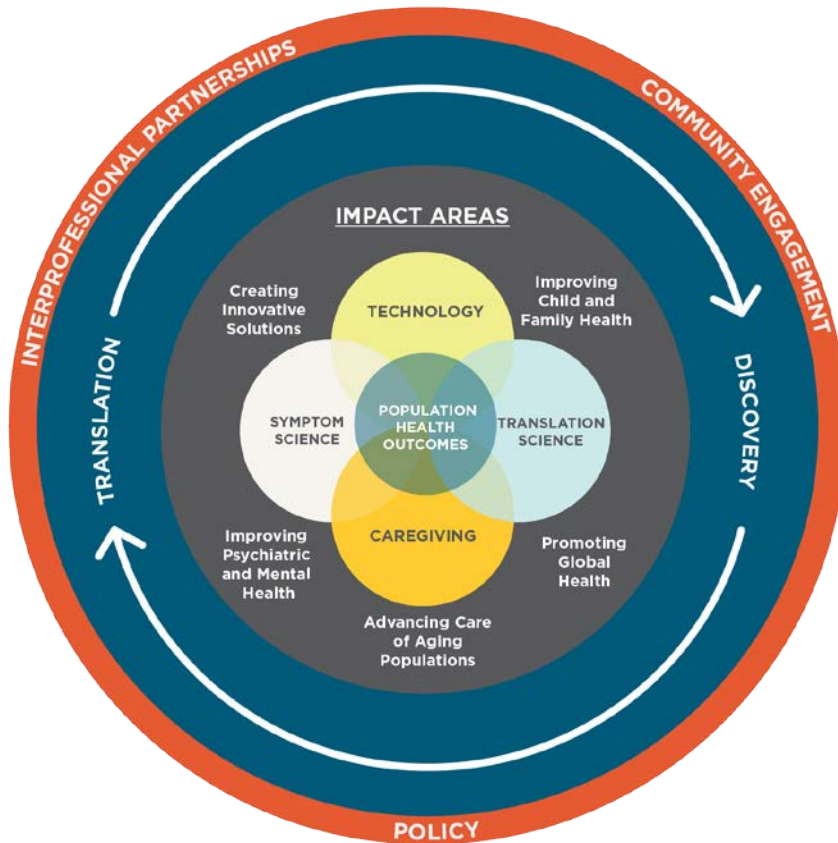
- **250** ANMCs in U.S.; 67% operate under the administrative aegis school of nursing (NNCC, 2017).
- Academic nurse-led care is an important contribution to healthcare services in the community (Esperat et al., 2012; Pohl et al., 2007)
- ANMCs increase accessibility of healthcare and are critically important safety-net providers for delivering primary care to medically underserved individuals (Pohl et al. 2004; Chokshi, Chang, & Wilson, 2017).



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ANMCs main distinguishing feature is to connect education, research, and practice (Van Zandt et al., 2008; Dols et al., 2018).



# Edge Runners

Some innovative models have been recognized by the *American Academy of Nursing* for their success and impact on primary health care across diverse settings and populations (Mason et al., 2015).

(<https://www.aannet.org/initiatives/edge-runners/profiles>)



[The Harambee Nursing Center](#)

(University of Louisville)

Kay T. Roberts, EdD, MSN, ARNP, FAAN



11th Street Family Health Services

(Drexel University)

Patricia Gerrity, PhD, RN, FAAN



Aging in Place Project

(University of Missouri – Columbia)

Marilyn Rantz, PhD, RN, FAAN

Interprofessional Practice at the Vine School Health Center: A School-Based Nurse-Managed Clinic

(University of Tennessee)

Nan M. Gaylord, PhD, RN, CPNP- PC, PMHS, FAANP, FAAN





# Related Research



## Community

- Safety-net population (Pohl et al., 2007a)
- Outreach services (Esperat et al., 2012; Mason et al., 2015)
- Barriers
  - *Patient mix, funding* (Pohl et al., 2004)
- Primary health clinical outcomes (Holt et al., 2014; Sutter-Barret et al., 2015)
  - *Services - reducing hospital admissions and readmissions* (Dols et al., 2018; Holt et al., 2014)

## Targeted Populations

- Health Promotion (Mason et al., 2015)
- Chronic Illnesses
  - *Hypertension* (Dyal et al., 2015)
  - *Asthma* (Bucher et al., 2012)
- Integrating healthcare
  - *Mental and physical illness* (Ely, 2015; Nardi, 2011)
- Pediatrics (Coddington et al., 2011)





# Related Research (cont'd)

## *Role as an Effective Teaching Strategy*

- Effective interventions and teaching strategies
  - *To engage vulnerable groups in a meaningful way – empowering them to reach out to services*
  - *Student opportunities in delivering preventative interventions (Esperat et al., 2012; Pohl et al., 2007b; Van Zandt et al., 2008)*



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# Patient Experience in Nurse-Led Care Facilities

- Implications for care
- Support and improve nurse-led care
- The study of the patient experience in nurse-led care and clinics will be significant for all care provided by nurses

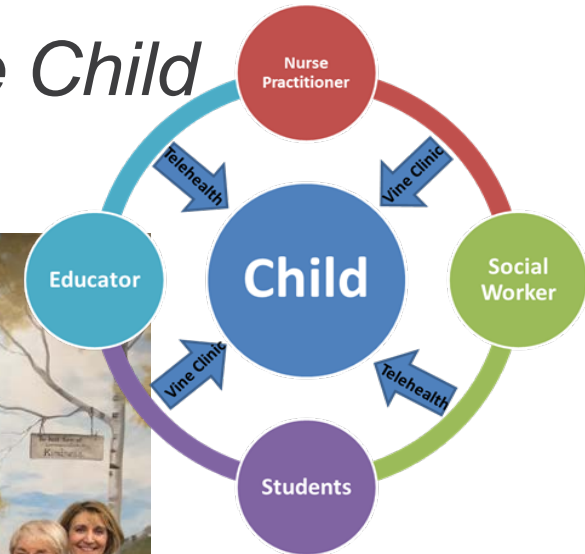
# Examples of Nurse-led Care

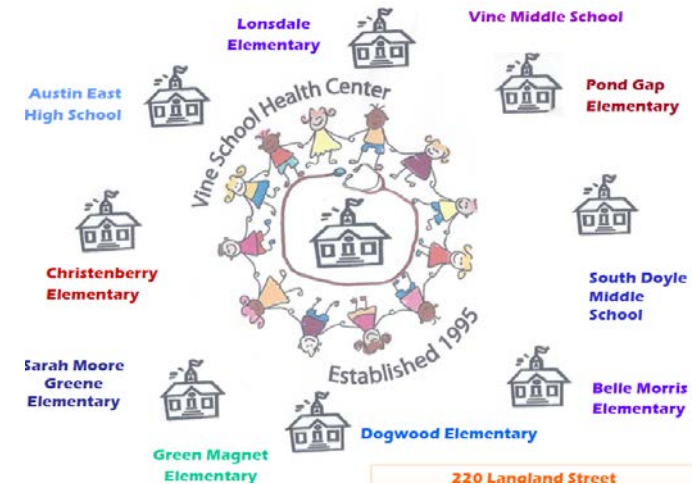
- The academic nurse-led care at our College is a cooperative effort between the school district and the College. We also have collaborative agreements with a rural FQHC and the local public housing authority.



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# Interprofessional Care at the Vine School Health Center *Health Care for the Whole Child*





Telehealth Services to 10 additional schools from Vine School Health Center and laptops for electronic health records for patient services.





# Scott County Mountain People's Health Council, Inc.



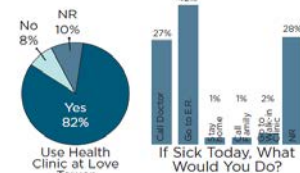


# Knoxville Community Development Corporation (KCDC)



## Resident Assessment Data Scorecard \*

### Use of Health Care System

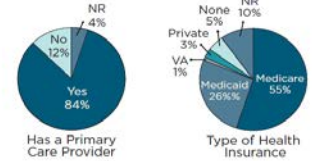


Use Health Clinic at Love Tower

If Sick Today, What Would You Do?

Call Doctor 27%  
Go to ER 42%  
Go to Urgent Care 1%  
Go to Hospital 1%  
Go to Clinic 2%  
Go to Pharmacy 28%

### Frequency of Care

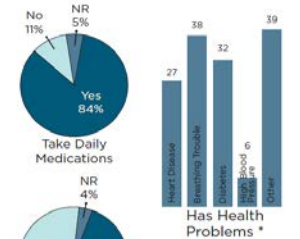


Has a Primary Care Provider

Type of Health Insurance

Medicare 55%  
Medicaid 26%  
Private 3%  
VA 1%  
None 10%  
NR 5%

### Health Conditions



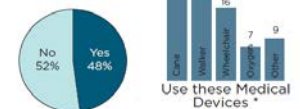
Take Daily Medications

Has Health Problems \*

Heart Disease 27  
Arthritis 38  
Diabetes 32  
High Blood Pressure 6  
Other 39



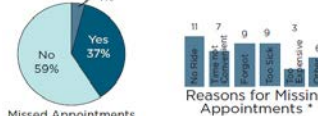
Smoke Cigarettes



Interested in Quitting Smoking

Use these Medical Devices \*

Cane 21  
Walker 33  
Wheelchair 16  
Hearing Aid 7  
Other 9



Missed Appointments With Doctor in Past 12 Months

Reasons for Missing Appointments \*

Transportation 11  
Lack of Time 7  
Forgetful 9  
No Insurance 9  
Other 3  
NR 6

Cared for at an Urgent Care or Quick Care in Past 12 Months

Yes 12%  
No 81%  
NR 7%

Been to Emergency Room in Last 12 Months

Yes 49%  
No 47%  
NR 4%

Frequency of Emergency Room Visits in Last 12 Months

1 16  
2 1  
3 20  
4 0  
5 6  
6 2  
7 1  
8 NR

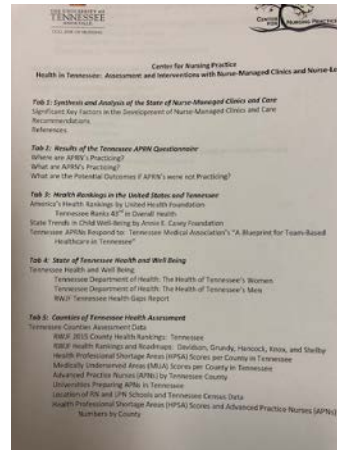
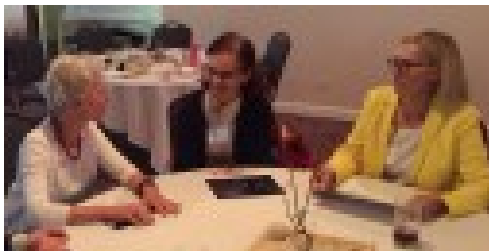
\* 98 respondents out of 349 residents  
\* Participants had option of choosing multiple answers  
NR= No Response

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KCDC  
Knoxville's Community  
Development Corporation

# Center for Nursing Practice

Success at the Vine School Health Center resulted in funds for the new Center to improve the health of Tennesseans.



Gap Analysis  
Health of Tennesseans



# Partnerships

## Cooperative Effort Between College of Nursing and Knox County Schools

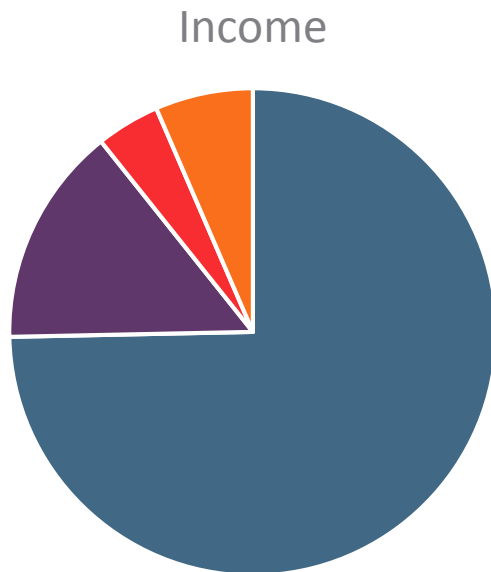
Other Partners Include but not Limited to:

- College of Social Work
- College of Education
- East Tennessee Children's Hospital
- Vaccines for Children
- Ronald McDonald House Charities
- Rock the Doc (KAMA)
- Knox County Health Department
- Concord United Methodist Church
- Cokesbury United Methodist Church
- Knoxville Orthopedics
- Bliss, Me and Company, Keurig, and The Pie Shop
- University of Tennessee Medical Center
- Many private individual donations
- Mountain Peoples
- Cherokee Health
- KCDC
- UPA

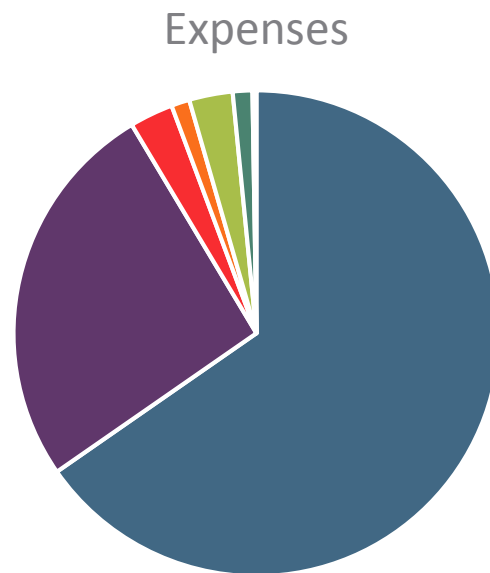




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- Patient Payments
- Contracted Services
- Donations
- Grant



- Salaries
- Benefits
- Supplies
- El. Health Record
- Billing
- Insurance
- Credentialing

# Summary of Sustainability Issues Impacting Academic Nurse-led Health Clinics

- Universities and Colleges of Nursing
  - Value research and grant funding streams
  - Tension between clinical experience and having enough students to staff clinic
- Clear value to the community and nursing students limited – more literature needed
- Limited case mix



# 2018 Payer Mix

PAYOR CLASS %	YTD (Jan.-Dec. 2018)
Self Pay	13%
Medicare	0%
TennCare	77%
Exchange	0%
Managed Care	10%
Commercial	1%
Workman's Comp	0%
Medicaid	0%

# Satisfied Charges from 9/1/18- 12/31/18 with Average Payment

	Units	Charges	Payments	Average Payment
<b>Total</b>	6291	\$532,092. 32	\$155,872. 68	\$24.78
<b>Uninsured</b>	1458	\$68,539.3 2	\$3,788.32	\$2.60
<b>Medicaid</b>				
<b>1</b>	974			\$37.93
<b>2</b>	68			\$35.73
<b>3</b>	39			\$39.09
<b>4</b>	1980			\$27.65
<b>5</b>	554			\$30.33
<b>6</b>	1013			\$29.51
<b>Private Insurance</b>				
<b>1</b>	8			\$91.63
<b>2</b>	9			\$0.00
<b>3</b>	34			\$57.40
<b>4</b>	37			\$54.64
<b>5</b>	23			\$47.13
<b>6</b>	41			\$16.91
<b>7</b>	2			\$107.25
<b>8</b>	15			\$44.65
<b>9</b>	2			\$103.02
<b>10</b>	4			\$103.75
<b>11</b>	17			\$67.83

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- Universities and Colleges of Nursing
  - Value research and grant funding streams
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- Clear value to the community and nursing students limited – more literature needed
- Limited case mix
- Federal programs insufficient for support

# New Access Points Awarded September 2019

77 health centers across 23 states, Puerto Rico, and the Commonwealth of the Northern Mariana Islands. This funding provides operational support for new organizations to become HRSA Health Center Program grantees and for existing health centers to establish new service delivery sites.

- <https://www.hhs.gov/about/news/2019/09/11/hhs-awards-more-than-50-million-establish-new-health-center-sites.html>

# Advocacy, Legislation and Policies

- Increased opportunity for New Access Points
- Target academic nurse-managed centers in New Access Points RFP
- Develop consistent funding streams for innovative but non-reimbursable health care delivered to individuals
- IOM report progress update: Recommendations were:
  - Nurses should practice to the full extent of their education and training.
  - Nurses should achieve higher levels of education and training through an improved education system that promotes seamless academic progression.
  - Nurses should be full partners, with physicians and other health professionals, in redesigning health care in the United States.
  - Effective workforce planning and policy making require better data collection and an improved information infrastructure.
- New IOM report
- Standardized evaluation tools that measure community impact and student experience.
- Advocate for higher reimbursement in primary care for NPs
- Continued advocacy for nurses, FPA and ANMHC



# Thank You!



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