

# 1 Inter-Professional Community Training and Partnerships -A 2 View from USA Academic Nursing Students

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## 7 **Abstract**

8 Health promotion in underserved populations is a major emphasis among academic medical  
9 centers in the USA as they prepare the future provider workforce for community based  
10 inter-professional healthcare delivery. Approach: This paper provides a survey report of  
11 nursing student's response regarding their participation at an interprofessional community  
12 partnership health fair and research project (The 2015 Costa Layman Health Fair and  
13 Cardiometabolic Risks in Hispanic Farmworkers (CHARM) Study). With a full complement  
14 of inter-professional faculty and student teams, the core mission is to provide student training  
15 and to promote the health of the Hispanic farm-workers.

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17 **Index terms**— health promotion/prevention, hispanics, interprofessional health teams, nursing student health  
18 fair/ CHARM study, hispanic outreach.

## 19 **1 I. Introduction**

20 In America, agriculture, a most dangerous industry, is a common employer of seasonal farmworkers, the majority  
21 of whom are Hispanic [8]. Transient employment, language barriers, cultural practices, higher levels of poverty  
22 (23%), lack of healthcare access, as well as lower literacy issues confront this population, making them an  
23 underserved population and more vulnerable to health disparity than other races ??3]. Specifically, Hispanics  
24 are more likely to be overweight (70%), have a stroke (30%), and die from diabetes (40%) [6] Driven by the  
25 USA's national policy agendas [2,7,9], health promotion in underserved populations is a major emphasis among  
26 academic medical centers in the USA as they prepare the future provider workforce for community based inter-  
27 professional healthcare delivery. Shifting demographics and the economic burden associated with treating chronic  
28 illness and disease has propelled community partnerships that offer benefits beyond the traditional service-line  
29 model of care. Compelling evidence from the Community Preventive Services Task Force [4,5], and the American  
30 Heart Association [1], supports benefits of primary, secondary, and tertiary community based programs for  
31 cardiovascular health. Inter-professional Health Fair and Research Outreach Programs offer a mechanism to  
32 study and improve the disparity among this underserved population, in their own communities.

## 33 **2 II. Background**

34 Nursing education has a long tradition of caring for and educating the poor and vulnerable. Worksite health  
35 fairs, useful for health screenings are also commonplace. The Annual Costa Layman Health Fair and Cardio-  
36 metabolic Risks in Hispanic Farmworkers (CHARM) study, with a full complement of interprofessional faculty  
37 and student teams has at its core mission: "To improve the health of the people in communities we serve".  
38 Having completed the tenth year anniversary as a comprehensive health fair screening program, and a three  
39 year IRB approved CHARM study, valuable insights into the dimensions of nursing and health scientists working  
40 together to achieve a common mission is crucial to inform academic policy and make necessary curriculum changes  
41 for community health delivery systems of the future. Inter-professional teams working closely with this nursing  
42 project include faculty and students from the I College of Medicine, College of Dentistry and Periodontal Medicine,

## 8 VIII. CONCLUSIONS

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43 Optometry, Georgia Prevention Institute, Premier Laboratory Services, Ryan White Community Outreach,  
44 Culturally and Linguistically Appropriate Services, GRU Cancer Center, Library Services, and Allied Health  
45 (Respiratory, Physical and Occupational Therapy Departments). An initial report on nursing student response  
46 to implementation of this project is helpful to continue to design meaningful clinical experiences and inter-  
47 professional team work.

### 48 3 III. Purpose

49 This paper provides an initial review on nursing student response to participation at an inter-professional and  
50 business partnership health fair and research project that promotes the health of uninsured/ underinsured  
51 Hispanic farmworkers in the southeastern USA.

### 52 4 IV. Objective

53 To identify reported competencies gained by graduate nursing student participants at a community outreach  
54 health fair and research project (CHARM Study) for Hispanic farm-workers, 2015 summer semester.

### 55 5 V. Methods

56 Nursing students were assigned responsibilities in various teams to prepare for the health fair, including the  
57 following: Community Assessment, Patient Education, Translation, Referral Directory, Consent and Labs, and  
58 Data Entry/Analysis. In addition, all students were assigned to specific screening tasks on the day of the health  
59 fair event. At least one nursing student was assigned to each interdisciplinary screening booth at the health  
60 fair. Upon project completion, an electronic Student Survey Questionnaire, consisting of 13 items with check  
61 boxes was distributed to the twenty-one nursing students (Masters Level Clinical Nurse Leader Program) enrolled  
62 for clinical credit at the annual interprofessional Costa Layman Health Fair and Research Project at a major  
63 academic nursing college in southeast USA. Results were coded, tabulated, and graphically represented to faculty  
64 by an assigned nursing student (team leader) who was also a class member. See Table 1: Survey Questions.

### 65 6 VI. Results

66 Fifteen students completed the survey. Of these, 64.3% reported spending six to ten hours weekly preparing and  
67 organizing for this inter-professional health fair and research project. There were no student absences for clinic  
68 or class.

69 Identified competencies and themes of questions as well as student responses are as follows:

70 ? Respect for scholarship and professional etiquettes appropriate to academic/community work (100%) ?  
71 Personal pride of contributions made to promote health awareness (to the farmworkers) (100%) ? A recognized  
72 need for and beginning collaboration with other inter-professional groups (100%) ? Appreciation for complex  
73 project management skills (100%) ? Cultural awareness of the Costa Layman farm community (100%) ? Ability  
74 to assess and describe the demographics of the Costa Layman farm community (100%) Students reported, (100%),  
75 that the above acquired competencies enriched their academic experience. Overall, students reported the project  
76 to be excellent (100%), effective in improving their knowledge of population/public health (93%) and in learning  
77 useful strategies to work with disparate populations (86.7%). All students (100%) reported they would use these  
78 strategies as future health care providers and eleven out of fifteen (73.3%) thought they would use these strategies  
79 in their student roles within the next one month to six months. The student's reported reasons for completing the  
80 survey were: "requested by faculty" (28.5%); "for continued support of the project (50%); and "out of respect for  
81 their team's work" (21.4%). All students (100%), reported they believed that continued future health fair project  
82 activities are necessary.

### 83 7 VII. Discussion

84 Student training and feedback are essential components of all courses/programs and provides for clarification  
85 and critique points that inform, support, or signal a need for programmatic or project change and/or refinement.  
86 Positive response rates indicate students are favorable to the use of inter-professional health screening teams  
87 and recognize the unique skill sets required to work with disparate farmworkers, many of whom are non-English  
88 speaking. They also appreciate the cultural considerations of the population and the inter-professional etiquette  
89 and collaborations among the teams as an integral part of a successful outreach program. Because there were no  
90 answers of disagreement to survey questions, it is assumed that major changes in program/project implementation  
91 is not recommended, but further refinement and continued inter-professional team support for community health  
92 fair and research projects may enhance nursing student's learning needs within the community.

### 93 8 VIII. Conclusions

94 Community outreach and an emphasis on clinical evidence is transforming clinical practice for nursing students  
95 and generating new approaches for meeting the health care needs of disparate populations with barriers to  
96 traditional care delivery methods. This inter-professional health fair and research model promotes a sense of

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97 "community partnership" between the health delivery teams, the farmworkers, business owner and the academic university. Such partnerships become win-win situations and everyone benefits. <sup>1</sup>

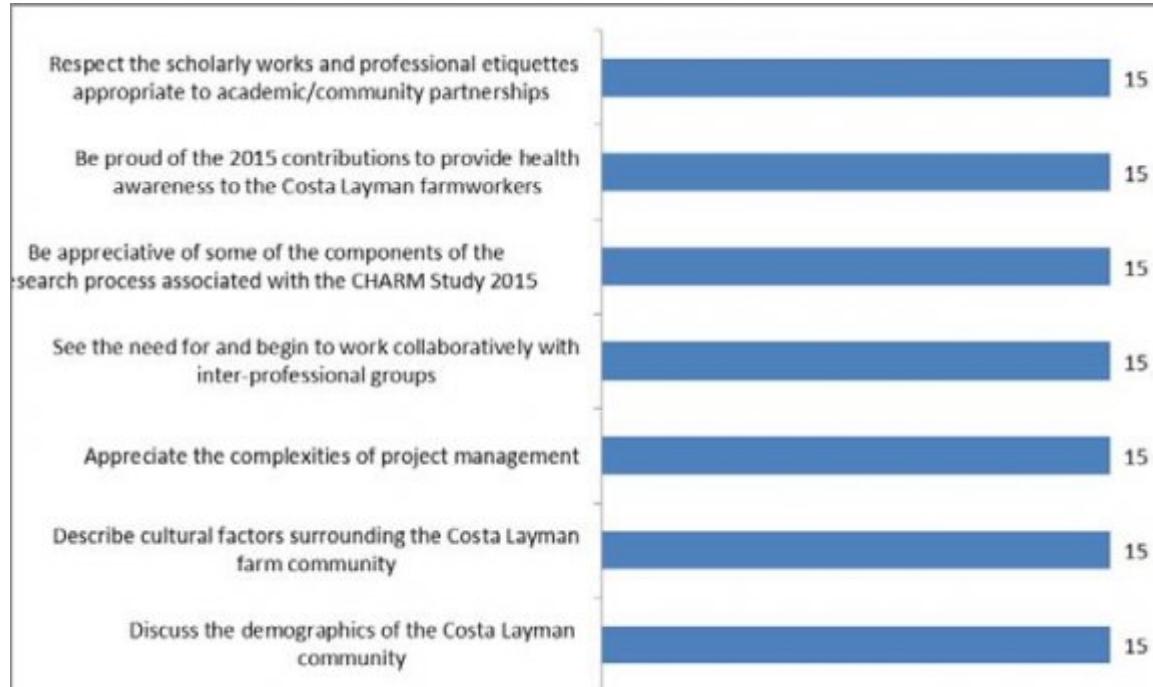


Figure 1:

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Figure 2: 1 . 8 .

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Figure 3: Table 1 :

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