

Interdisciplinary Diabetes Screening Events in Rural Southeastern Idaho Communities: Student Involvement and Perceptions

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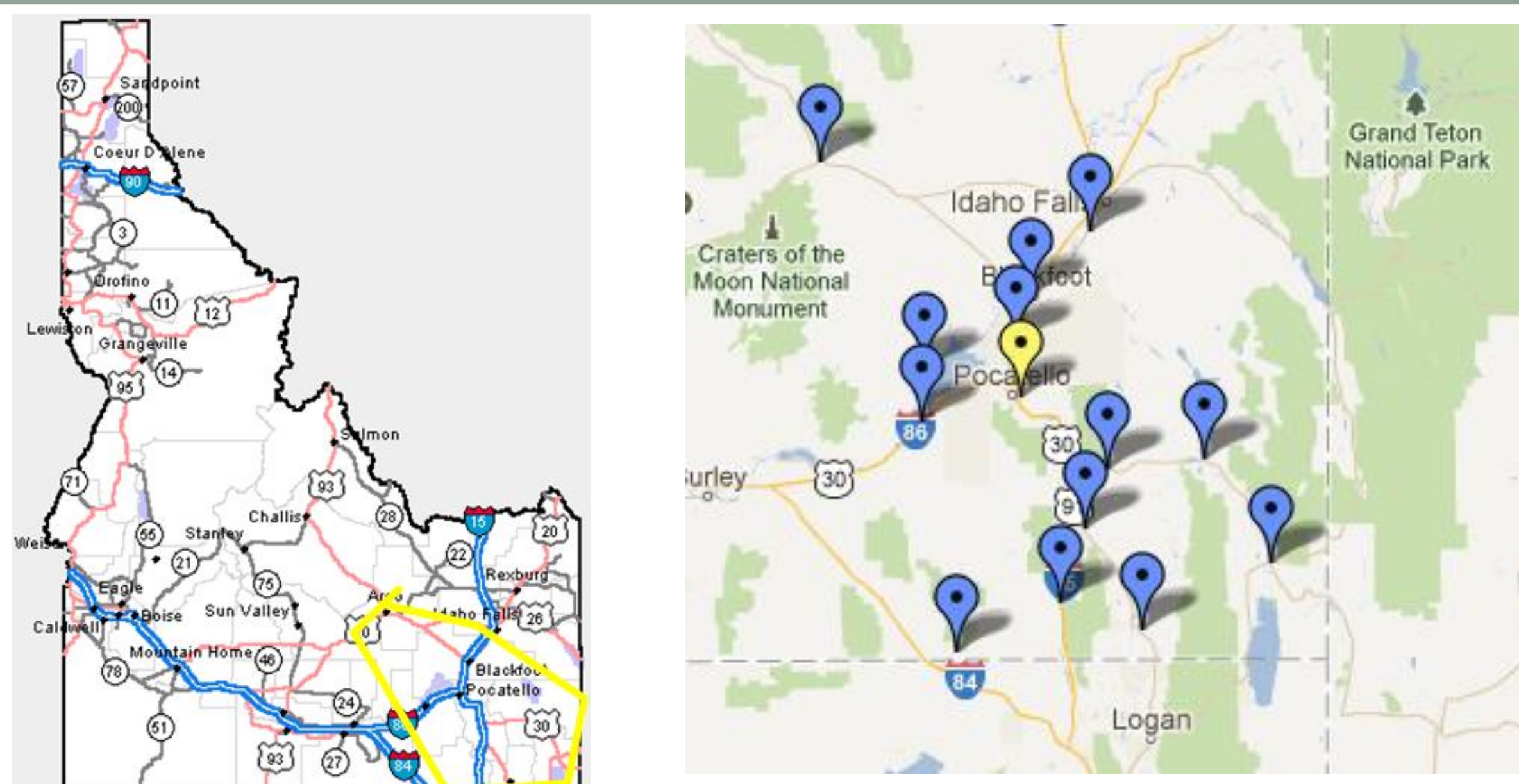
Background & Significance

The Southeastern Idaho Diabetes Awareness and Falls Prevention Partnership (SIDAFPP) is a collaboration between the Southeastern Idaho Public Health (SIPH) and 5 programs from the Idaho State University Division of Health Sciences. This partnership was developed to meet the health care needs of citizens of southeastern Idaho. This program has provided services since 2008 to fulfill the 2008-2013 Idaho Diabetes 5-Year State Plan.¹ The faculty implemented the services defined in this program while supervising DHS students, who concurrently fulfilled curricular program requirements in each of their respective disciplines.

Idaho Diabetes Statistics²

- State of Idaho
 - 8.4% of the adult population
 - Aged 65+ = 18.8%
- Health District 6
 - Women = 9.28%
 - Men = 10.15%

Locations



Travel = 30 – 200 min round trip

Events

- Across 8 Southeastern Idaho counties
 - 2014, Fall = 4 events
 - 2012, Summer & Fall = 14 events
- 12 – 25 participants per event
- Stations
 - Nursing 20-40 min
 - Pharmacy 20-30 min
 - Dietetics 15-20 min
 - Physical Therapy 15-20 min
 - Health Education 5-15 min

Event Screening

Discipline	Services Provided	Students & Faculty Per Event
Southeastern Idaho Public Health	Advertising, Facilities, Recruitment, Scheduling	1 Coordinator
Nursing	Diabetic Foot Exam	3-4 Students 1 Faculty
Pharmacy	A1C, Blood Glucose, Blood Pressure, Lipid/Cholesterol Screening, Medication Counseling	2-6 Students 1 Faculty
Dietetics	Nutrition Counseling	2-3 Students 1 Faculty
Physical Therapy	Balance Checks and Fall Risk Screening Diabetic Foot Exam	1-2 Students 1 Faculty
Health Education	Action Planning / Behavior Change	1-2 Student 1 Faculty

Students

- Diverse in level of education
 - Bachelors, Masters, and Doctoral
 - Multiple vs Single event participation
 - Different prior clinical experiences
- Provided services, documented participant information
- Completed a survey at the end of each event
 - Perceptions of the event and other disciplines

Discipline Standards Met

- Distinct educational standards / criteria
- Common standards/ criteria
 - Hands-on experience
 - Interaction with diverse populations
 - Collaboration with other health care professionals
 - Participant education and avocation
 - Rural health care
 - Service

Student Perceptions

What information would have helped you?

"I felt very prepared; this was just a new experience to me. After the first hour I felt much more confident."

"Doing counseling activities in classes."

Did you feel confident explaining your findings? Why?

"The patients were very pleasant; they listened well and felt like I was clear in my education."

"I think that the client interaction really helped my comfort level."

"As I did it, I realized I knew more than I thought"

What was most rewarding or challenging?

"Working with rural community members. Providing a service not normally readily available."

"The patients! They are so happy to be helped!"

What did you learn from working with others?

"...what the other professions could offer to the public at these health screenings."

"...the students have more knowledge than I perceived that they would have."

"...we can be involved with similar things even though we are in different professions."

Results

	How prepared/confident did you feel about providing your services today?			
	Not Prepared	Somewhat Prepared	Adequately Prepared	Very Prepared
2012	0%	9%	26%	65%
2014	0%	0%	52.3%	47.7%

	Opportunity to interact with other students?	
	Yes	No
2012	45%	55%
2014	76.2%	23.8%

	Did you feel confident explaining your findings to your patient?			
	Not Confident	Somewhat Confident	Confident	Very Confident
2012	0%	12%	56%	26%
2014	0%	4.8%	47.6%	47.6%

Conclusions

- Positive student perceptions reflected the value of program for integrating and applying knowledge and skills.
- Changes to the structure and student preparation assisted in maximizing the interdisciplinary learning process.

References
1. Idaho Department of Health and Welfare. Creating Partnerships for Change: Idaho Diabetes 5-Year State Plan 2008-2013. Accessed at: <http://www.healthandwelfare.idaho.gov/Portals/0/Health/Disease/IdahoDiabetesStatePlan20082013.pdf>
2. 2013 BRFS, Idaho Dept. of Health and Welfare, Division of Public Health, Bureau of Vital Records and Health Statistics.