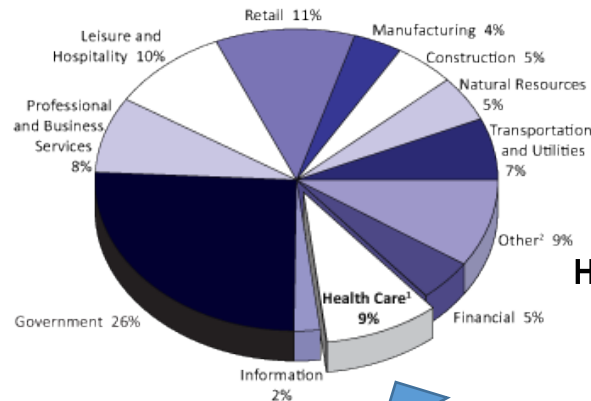


Health Care is Vital to Alaska

Nearly One in 10 Jobs is in Health Care
Alaska, 2010



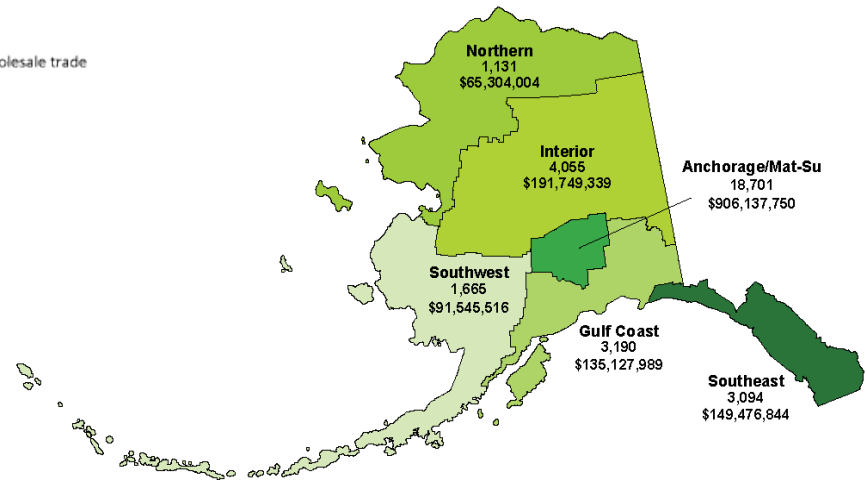
1 Includes private and public sectors
2 Includes other services, private education, social assistance, and wholesale trade

“Health care is an indispensable service, just like running water, electricity, public education, police and fire protection, roads and highways, and other hallmarks of developed nations.

Because everyone needs a doctor at some point, it’s an industry with a guaranteed customer base.”

Alaska DOLWD

Health Care’s Employment and Total Wages
By economic region, Alaska 2010



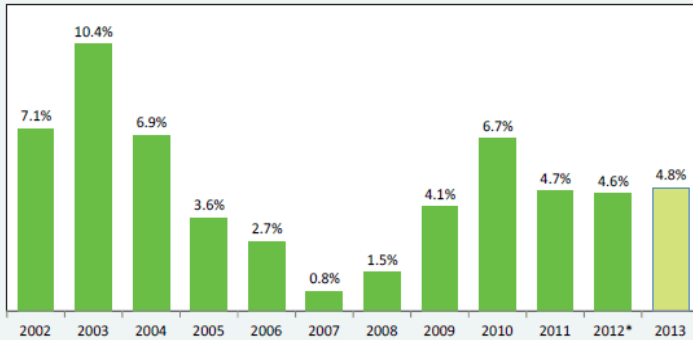
Note: Average annual employment

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section

>36,000 jobs; >\$1.6 billion in wages

Growth in Health Care Jobs Continues

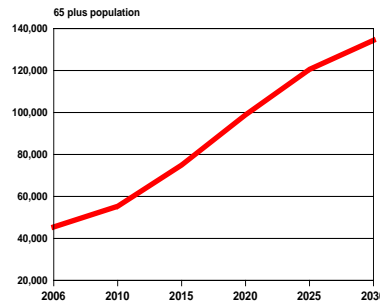
Health Care Continues to Climb Alaska, 2002 to 2013



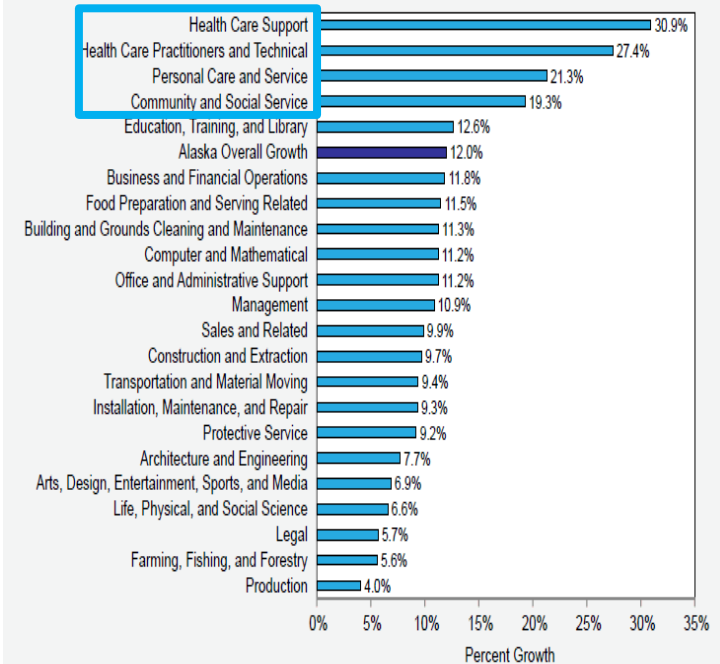
*Preliminary
Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section



Fastest Growing Senior Population in U.S.



Health Care Jobs to Lead Overall Growth Alaska occupational categories, 2010 to 2020



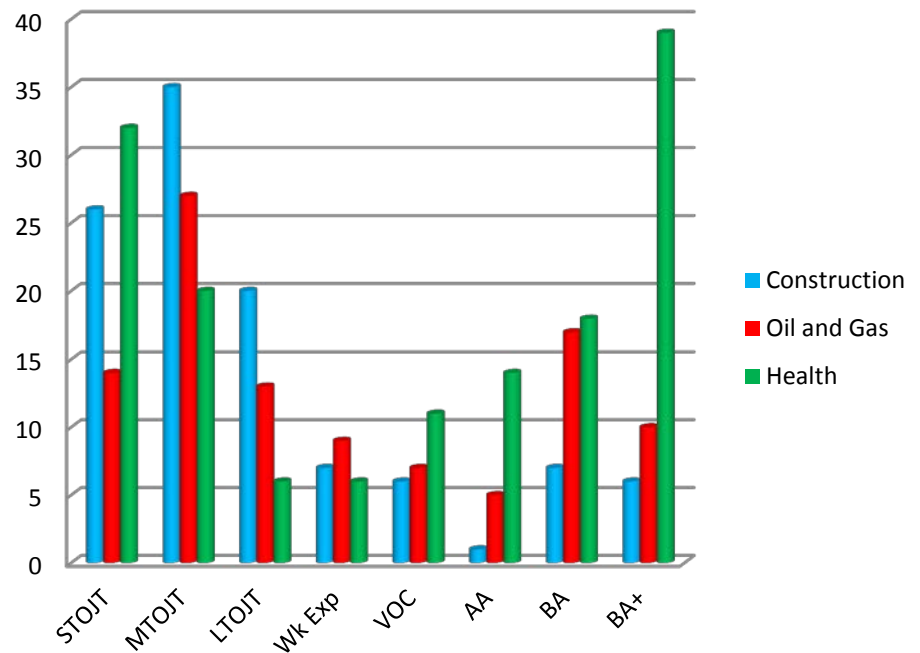
Note: Occupational categories are based on the federal Standard Occupational Classification Manual.
Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section

Industry Training/Education Requirements

	Construction	Oil and Gas	Health
# Firms	2388	76	1290
# Occupations	108	102	146
# AA+	14	32	71
% AA+	13%	31%	49%

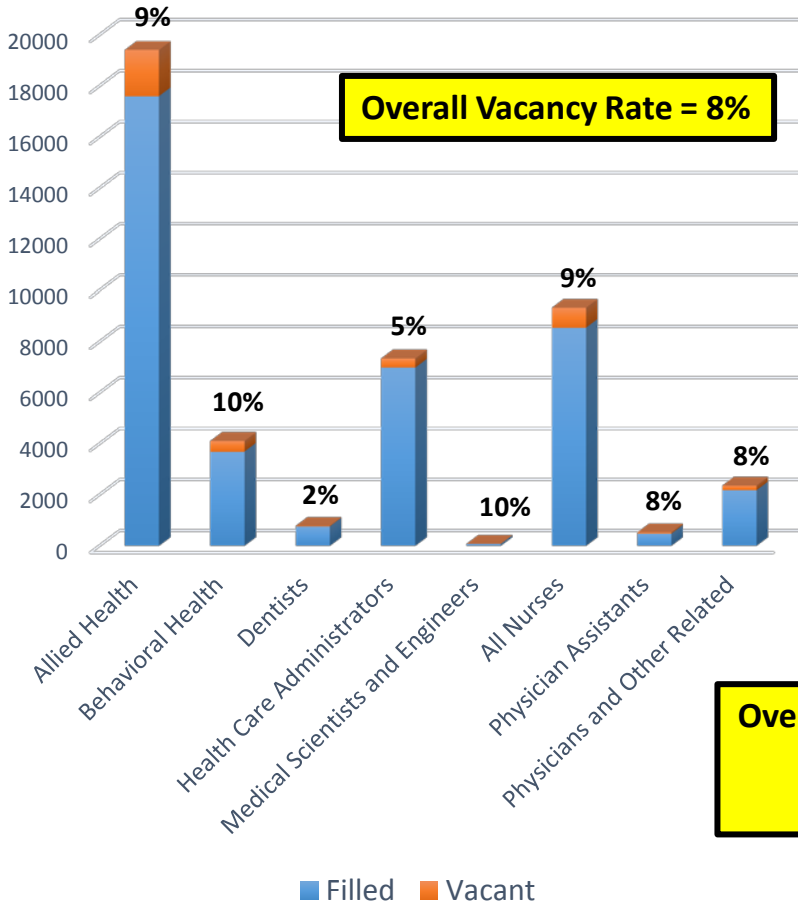
DOLWD

**Training Levels for Occupations
by Alaska Industry**



Chronic Health Workforce Shortages

Vacant Health Care Estimated Positions by Category



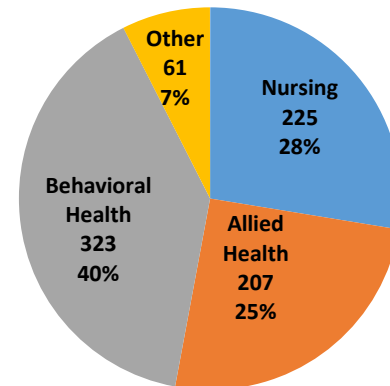
DOLWD Projected Need for Health Care Workers

Health-Related Occupations*	Employment			Openings		
	2010	2020	% Change	Growth	Replacement	Total
	36,139	46,104	28%	9,965	9,356	19,321

*Includes: Health Practitioner and Technical, Healthcare Support, and partial Education/Training/Library, Personal Care and Services, Management, Community and Social Services, Office and Administrative Support, Installation/Maintenance/Repair, Production

**Overall Vacancy Rate
Urban/Rural
7%/10%**

Health Degrees - AY2010



% of Workers 50+ Years Old (> 33% over 50)

	%
Surgeons	66.7
Psychiatrists	64.5
Pediatricians, General	57.4
Medical and Health Services Managers	48.0
Occupational Health and Safety Specialists (Oil and Gas)	46.0
Licensed Practical and Licensed Vocational Nurses	45.5
Nurse Practitioners	44.5
Nurse Anesthetists	41.9
Medical and Clinical Laboratory Technologists	41.7
Registered Nurses	41.3
Physician Assistants	41.1
Obstetricians and Gynecologists	40.0
Clinical, Counseling, and School Psychologists	39.4
Medical Equipment Repairers	39.3
Dietetic Technicians	38.9
Medical Transcriptionists	38.9
Speech-Language Pathologists	37.8
Anesthesiologists	37.5
Medical Scientists, Except Epidemiologists	37.0
Internists, General	36.8
Dentists, General	36.5
Optometrists	36.4
Family and General Practitioners	36.1
Pharmacists	35.8
Radiologic Technologists	35.2
Dental Hygienists	34.8
Home Health Aides	34.3
Recreational Therapists	34.1



Occupations w >10% Vacancy Rates and >500 Estimated Positions

- Certified Nursing Assistants 14%
- Behavioral Health Case Managers/Care Coordinators 15%
- Emergency Medical Technicians 16%
- Physical Therapists 21%
- General Practitioners and Family Physicians 11%
- Community Health Aides/Practitioners 18%
- All Other Health Information Occupations 11%

Highest Vacancy Rates - 20%+ (and estimated vacancies)

- Audiologists 21% (7)
- Dental Health Aide Therapists 20% (10)
- Orthotists and Prosthetists 50% (25)
- Physical Therapist Aides 28% (16)
- Physical Therapists 21% (142)
- Psychiatric and Mental Health Aides 20% (1)
- Speech-Language Pathologists 20% (24)
- Other Practitioner Support Technicians/Technologist 25% (25)
- Other Therapists Support Workers (not T/T) 23% (49)
- Nurse Educators (Healthcare Facility or Multi-Site) 22% (33)
- Women's Healthcare Nurse Practitioners 43% (16)
- Psychiatrists 22% (20)

Shortages are Due to Inadequate Local Supply, Growing Demand, Recruitment and Retention Issues



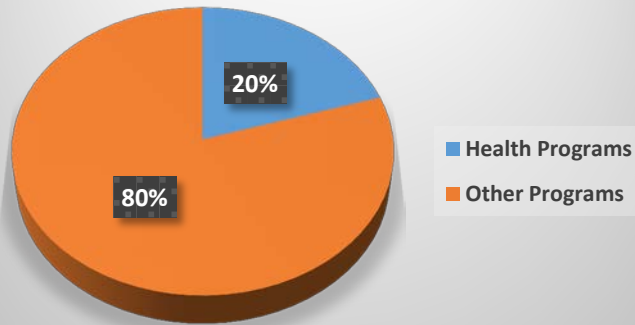
Major Strategies:

- UA “Grow Our Own, Close to Home”
- Alaska Area Health Education Center (AHEC) System – “Pipeline Workers”
- Alaska Health Workforce Coalition – *Health Workforce Plan and Action Agenda*

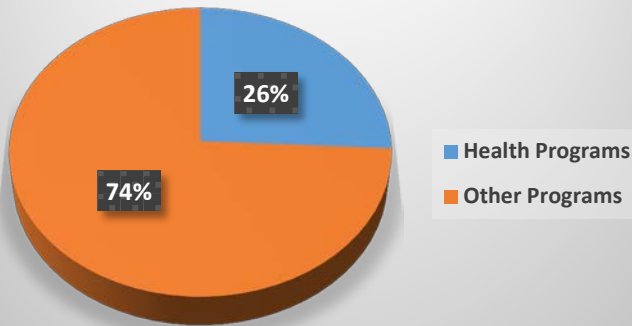
Health Programs Impact UA

% of Students in Health Programs

UA Graduates 2003-2012 (N=34,114)

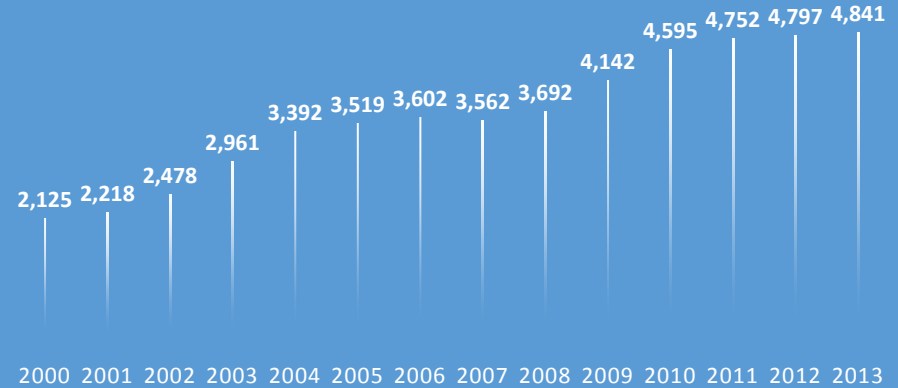


UAA Graduates 2003-2012 (N=19,758)



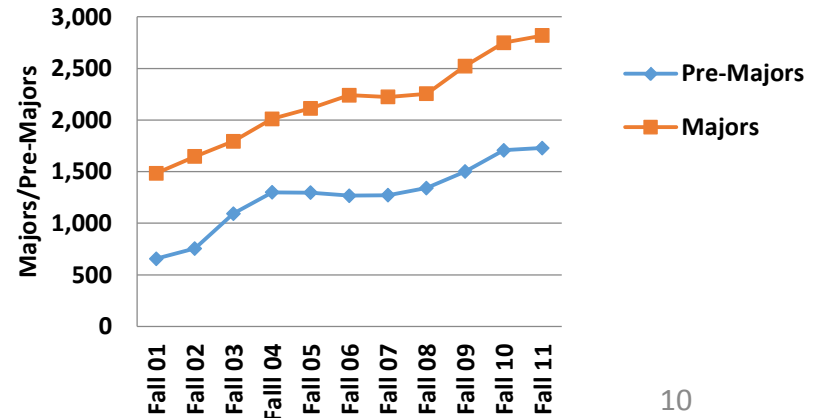
Enrollment Growth

UA HEALTH STUDENTS* 2000-2013

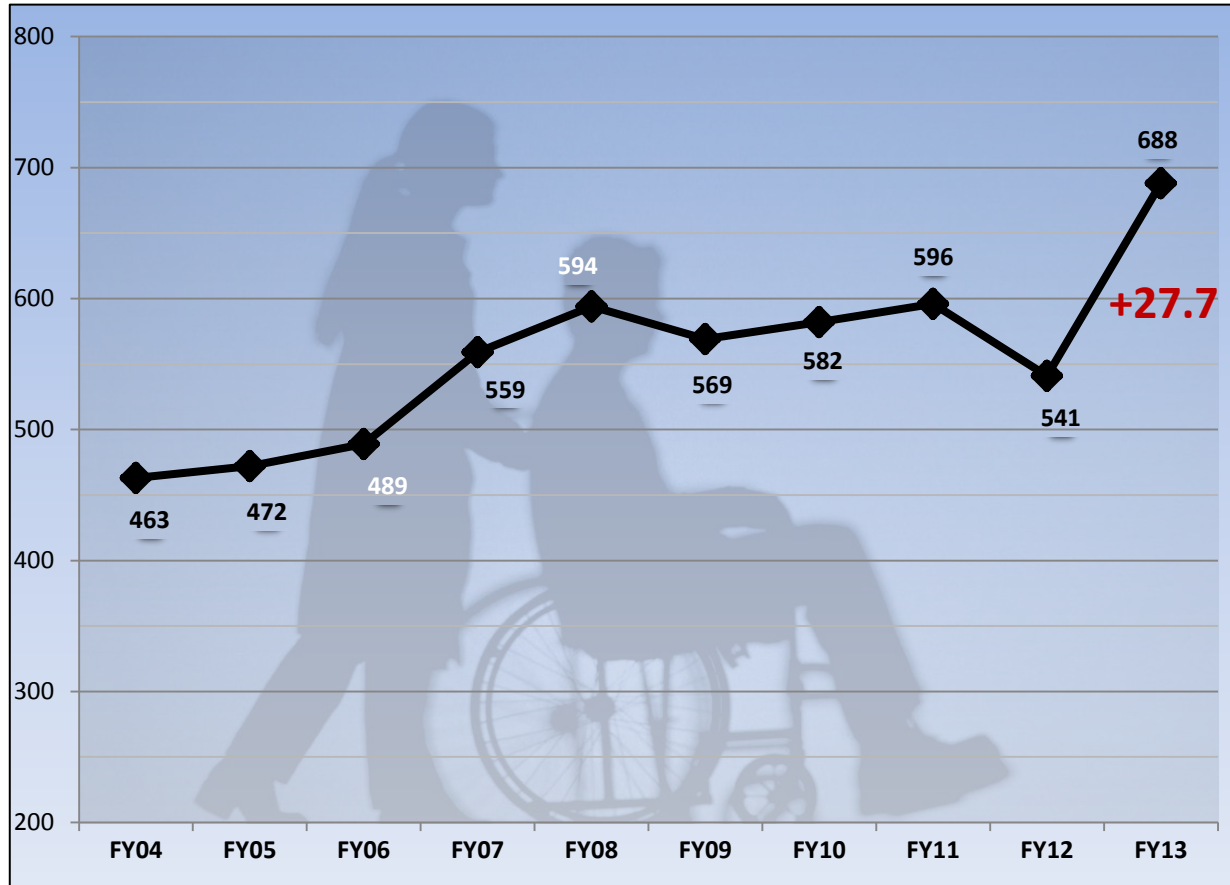


* Pre-Majors and Majors

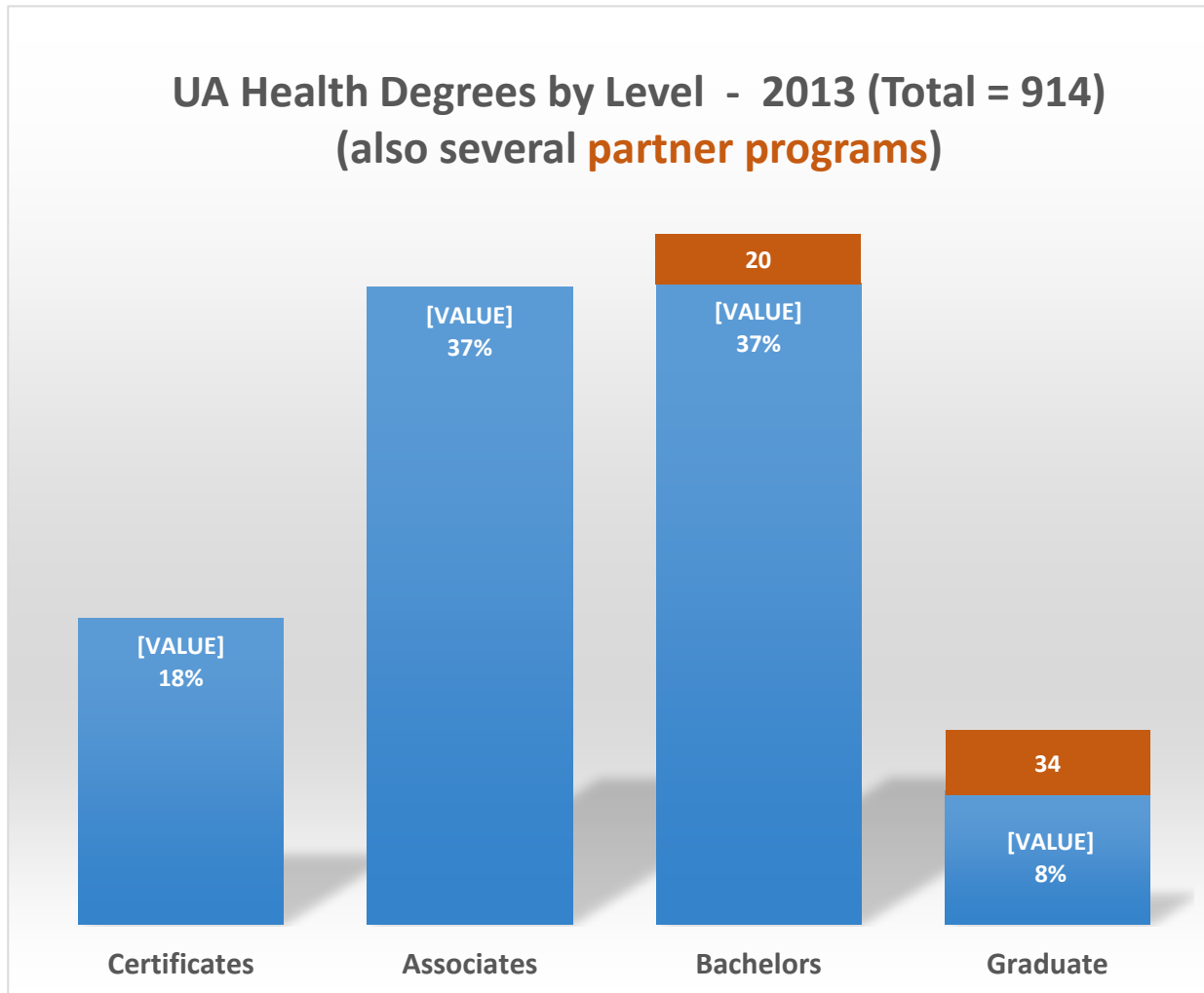
UA Health Students – Fall 01-11



UAA Awards in High Demand Health Job Areas FY 2004-2013

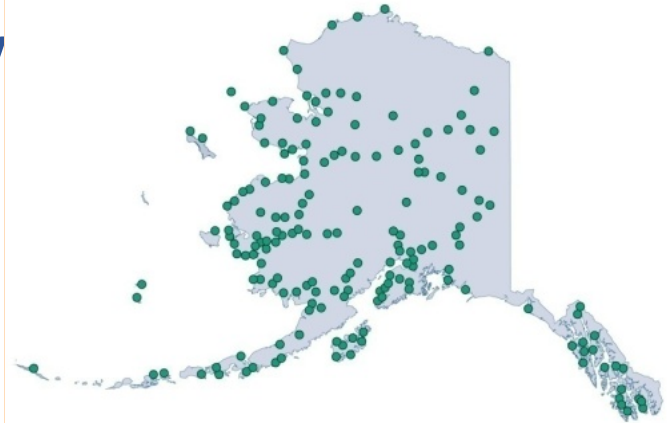


Health Awards Occur at Every Level



Health Programs Across the State

- All campuses provide and/or receive health programs
- System-wide Alliances and faculty work groups – active since 2002; planning/coordination
- A wide variety of programs (>80)
 - **Medicine/primary care/pharmacy**
 - **Nursing**
 - **Allied health**
 - **Therapies**
 - **Behavioral health**
 - **Public health and wellness**
 - **Medical office and health information**



Our Graduates Make a Vital Contribution to Alaska

- Of the **5,378** health graduates between 2003 and 2010, **4,469** were Alaska residents **two years after graduation** (83%).
- Of those residents, **4,060** were working in the state two years after graduation (91%).
- And **3,553** of those residents were working in occupational categories where you would expect to find health programs graduates (**88%**):
 - Health Practitioner and Technical
 - Healthcare Support
 - Community and Social Services
 - Personal Care Services
 - Management
 - Education, Training and Library
 - Office and Administrative Support

By Program Category

- **Allied Health:**

- 1014 graduates 2003-2010
- 855 residents 2 years after graduation (84%)
- 812 working in Alaska (95%)
- 635 employed in the 7 fields (78%) and 86 more in Protective Services (includes firefighters) for a total of **721 (89%)**

- **Behavioral Health:**

- 2381 graduates 2003-2010
- 1986 residents 2 years after graduation (83%)
- 1716 working in Alaska (86%)
- **1441** employed in the 7 fields (**84%**)

- **Nursing:**

- 1568 graduates 2003-2010
- 1295 residents 2 years after graduation (83%)
- 1247 working in Alaska (96%)
- **1210** employed in the 7 fields (**97%**)

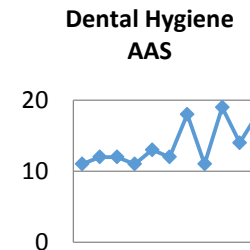
By Program Category

- **Public Health/Wellness:**
 - 63 graduates 2005-2010
 - 47 residents 2 years after graduation (75%)
 - 39 working in Alaska (83%)
 - **31** employed in the 7 fields (**79%**)
- **Medical Office/Health Information:**
 - 345 graduates 2003-2010
 - 281 residents 2 years after graduation (81%)
 - 240 working in Alaska (85%)
 - **219** employed in the 7 fields (**91%**).
- **Medicine/Other Primary Care/Therapies:** Do not yet have data for partner programs

Allied Health Programs

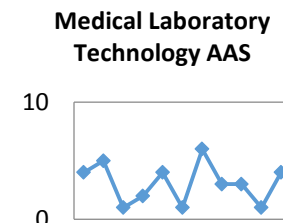
- **Dental Hygiene (AAS)** – 3% vacancy rate:

- 100 graduates 2003-2010
- 90 residents 2 years after graduation (90%)
- 90 working in Alaska (100%)
- **89** employed in the 7 fields (**100%**)



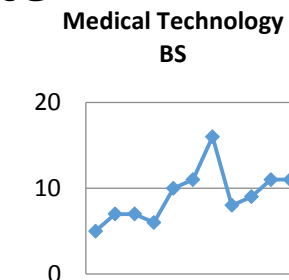
- **Medical Laboratory Technology (AAS)** – 5% vacancy rate:

- 26 graduates 2003-2010
- 21 residents 2 years after graduation (81%)
- 20 working in Alaska (95%)
- **20** employed in the 7 fields (**100%**)



- **Medical Technology (BS)** – 9% vacancy rate

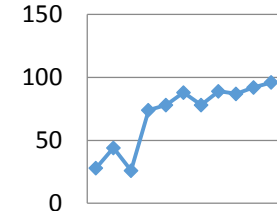
- 70 graduates 2003-2010
- 58 residents 2 years after graduation (83%)
- 53 working in Alaska (91%)
- **50** employed in the 7 fields (**94%**)



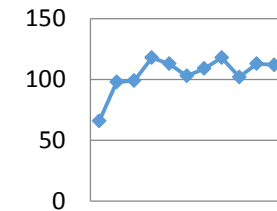
Nursing Programs

- **Nursing (AAS)** – 8% vacancy rate:
 - 505 graduates 2003-2010
 - 424 residents 2 years after graduation (84%)
 - 419 working in Alaska (99%)
 - **408** employed in the 7 fields (**97%**)
- **Nursing (BS)** – 8% vacancy rate:
 - 824 graduates 2003-2010
 - 662 residents 2 years after graduation (80%)
 - 640 working in Alaska (97%)
 - **627** employed in the 7 fields (**98%**)
- **Nursing (MS)** – 13% vacancy rate:
 - 96 graduates 2003-2010
 - 87 residents 2 years after graduation (91%)
 - 78 working in Alaska (90%)
 - **78** employed in the 7 fields (**100%**)

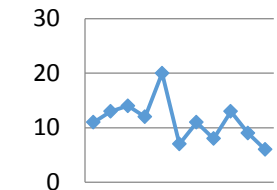
Nursing AAS



Nursing BS



Nursing MS



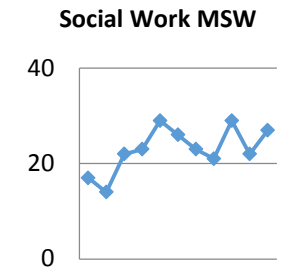
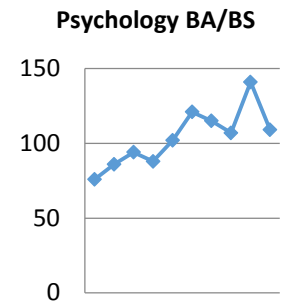
Behavioral Health Programs

- **Psychology (BA/BS):**

- 789 graduates 2003-2010
- 596 residents 2 years after graduation (76%)
- 508 working in Alaska (85%)
- **389** employed in the 7 fields (**77%**)

- **Social Work (MSW)** - ~ 10% vacancy rate:

- 175 graduates 2003-2010
- 151 residents 2 years after graduation (56%)
- 139 working in Alaska (92%)
- **128** employed in the 7 fields (**92%**)



Recent Highlights

- Anchorage Dental Mission of Mercy
 - 40 UAA Dental Assistant and Hygiene students participated
 - 1332 volunteers
 - 1589 patients
 - Value of care ~\$1.157 million
 - Fairbanks in 2015
- 5-year (\$145k/year) grant to UAA School of Social Work
 - Recruit students for employment with Office of Children's Services
 - With UAF BSW program and SOA OCS
- First-year WWAMI students
 - AHEC placed 15 in rural communities for summer clinical rotations
- Geriatric Education Series
 - Over 250 health providers across Alaska participated via distance

Highlights, continued

- Ikautaq Project
 - Recruit 80 Alaska Native students to enroll in OEC
 - Children's Behavioral Health Specialist or Direct Service Specialist
 - In their home villages
 - Partnership: Center for Human Development, Prince William Sound Community College, Aqqaluk Trust
- Livable Wage Task Force
 - To study, define and make recommendations regarding livable wage for direct service workers
- SHARP program received legislative funding for FY15
 - Loan repayment/employment incentives

Challenges for UA Health Programs

- Budgetary Crisis
- Facilities Limitations
- Faculty/Staff Turnover and Recruitment
- Other Issues

Current Initiatives

- **Physical Therapy Assistant Program**
 - Accreditation visit this summer/fall
 - Students likely begin in Spring 2015
- **Physical Therapy Program**
 - Working with UW to develop a partnership
 - Using distance delivery
 - Designed to be self-sustaining
- **Pharmacy Program**
 - Working with Idaho State University to develop a partnership
 - Using distance delivery
 - Designed to be self-sustaining
- **Medical Assisting – Southeast Alaska (UAS)**
 - Collaborative program development – UAS, UAA, UAF, OHPD

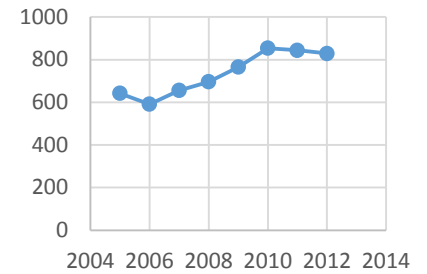
Current Initiatives, continued

- **UAF TAACCCT grant** – expand distance allied health education at rural campuses
- **Healing Our Heroes** – train rural providers to improve service to veterans (AHEC)
- **Health Program of Study** – prepare rural high school students for post-secondary health programs (Interior AHEC)
- **Distance BS in Nursing Science** – pilot in Fairbanks
- **Health Information Technology OEC** – collaboration between UAS Sitka and CITC
- **Alaska Health Workforce Coalition *Action Agenda* update**

FAQ

Nursing Pre-Majors (UAA)

Interest is High:



- Why is there such a long time gap between pre-requisite completion and starting the (BS) nursing program? Is there a solution?

BS Nursing Admission Cohorts

		Summer 14	Fall 14	Spring 15	Summer 15	Fall 15	Spring 16	Summer 16	Fall 16	Spring 17	Summer 17	Fall 17	Spring 18	Summer 18	Fall 18	Spring 19	Summer 19	Fall 19	Spring 20	Summer 20	Fall 20	Spring 21	
BACKLOG from 12/13	200	40	40	40	40	40																	
Admitted October 13	80						40	40															
Admitted February 14	80								40	40													
Admit October 14	60										40	20											
Admit October 15	60											20	40										
Admit October 16	60													40	20								
Admit October 17	60														20	40							
Admit October 18	80																40	40					
Admit October 19	120																		40	40	40		
Admit October 20	120																						40
		120			120			120			120			120			120			120			

Note: It won't take this long to achieve equilibrium, as some students do not take their seats, allowing others to move up.

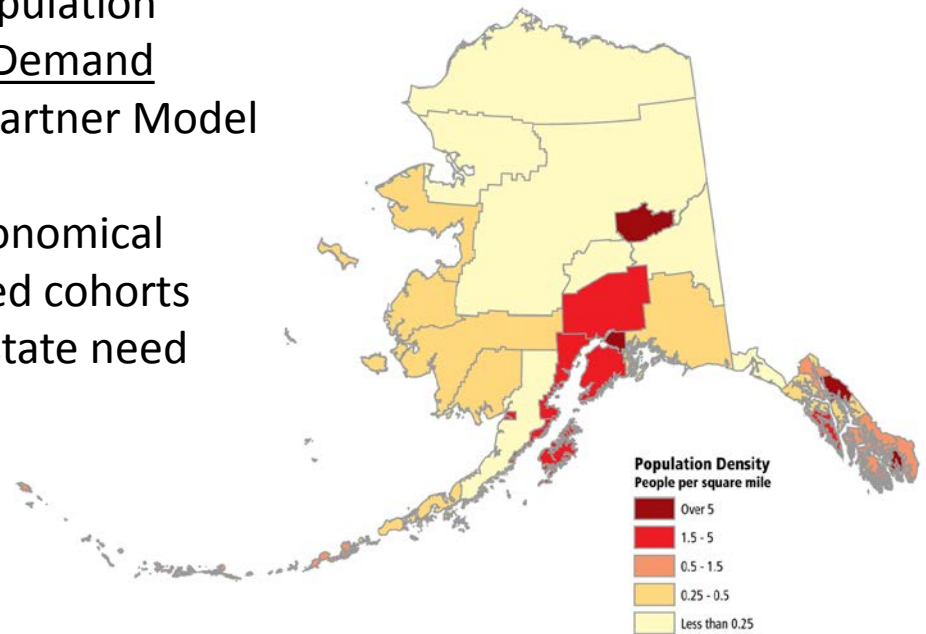
FAQ

- Why doesn't Alaska have its own medical school/pharmacy school/...?



High Cost
Small Population
Limited Demand
Consortium/Partner Model

More economical
Alaska-sized cohorts
Focus on state need

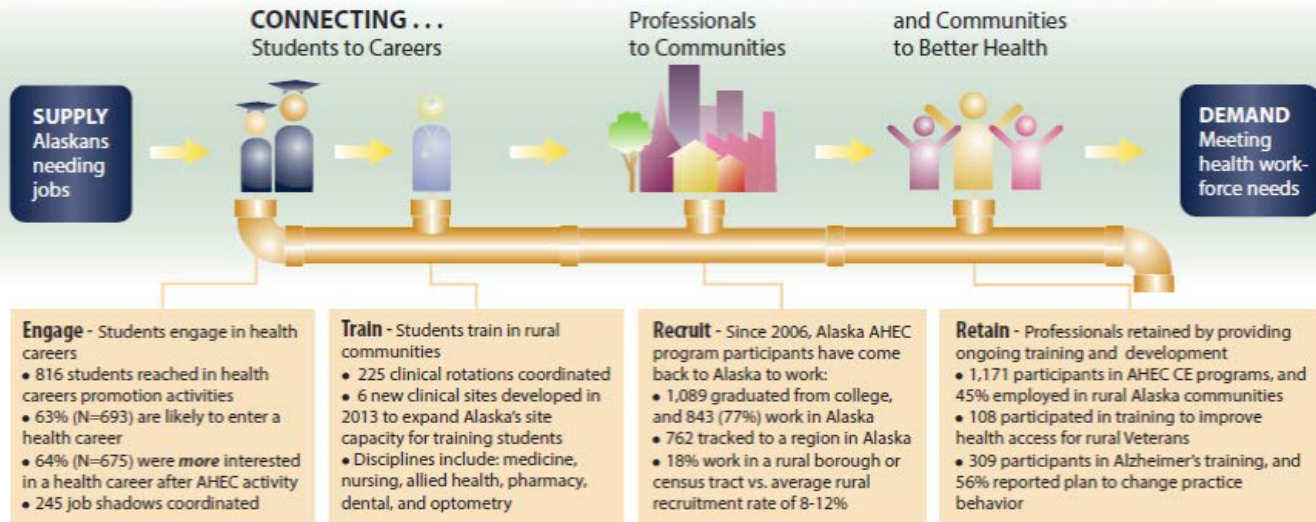


© Rand McNally & Co.

FAQ

- What does the AHEC do? Why does it need so much money?

AHEC Stands for Jobs



Federal Funding

