

Alaska Pediatric Subspecialty Plan

November 6, 2009

All Alaska Pediatric Partnership Overview of Pediatric Subspecialty Planning



KURT SALMON ASSOCIATES

Today's Discussion

- Process overview
- Situation assessment overview
- Pediatric subspecialty distribution model – discussion
- Next steps

Process Overview



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Process Overview – Objectives and Timeline

- Assess the demand/need for pediatric subspecialty services
- Identify future pediatric subspecialty needs by model of care delivery
- Develop a preferred distribution plan for the delivery of pediatric subspecialty care in Alaska over the next 5 to 10 years

	SEPT	OCT	NOV	DEC	JAN	FEB
Project Organization	[Bar]					
Step 1: Situation Assessment	[Bar]					
Step 2: Model Development and Requirements		[Bar]				
Step 3: Preferred Distribution Model			[Bar]			
Steering Committee Meetings			●		●	●

Process Overview – Participation & Communication

- Use Steering Committee to anchor the process and ensure communication flow
- Coordinate through an Executive Team
- Involve a wide sector of the community in dialogue
 - 60+ interviews from more than 25 different organizations
- Develop *ad hoc* groups for issue specific topics
- Deliverables for broad distribution
 - Executive Report 1: Summary of current environment
 - Executive Report 2: Recommended distribution strategy

Process Overview - Steering Committee and KSA

Steering Committee (19 Members)

- Rob Betit, CEO (*ASHNA*)
- Stephanie Birch (*DHSS/AAPP*)
- Amy Dressel MD (*Comm. Ped*)
- Gena Edmiston, RN (*FMH*)
- Paula Fair RN (*ARH*)
- Matt Hirschfeld, MD (*ANMC*)
- Jon Lyon, MD (*AAPP, Comm.*)
- Dick Mandsager, MD (*TCHAP*)
- Beth Medford, MD (*TVC*)
- Michelle Myers, MD (*ANMC*)
- Phil Neuberger (*North Star*)
- Tari O'Connor (*MOA*)
- Andi Posey, RN (*Central Pen.*)
- Amy Schumacher, MD (*ANMC*)
- Katy Sheridan MD (*Comm. FP*)
- Elowyn Smith MD (*Mat Su, Comm.*)
- Debra Taylor, RN (*ARH*)
- Lauren Wolf, MD (*EAFB/3MI*)
- Michael Zielaskiewicz (*MSRMC*)
- KSA – Mark Wietecha, Shelley Oberlin, Laura Rehfeld

Situation Assessment Overview



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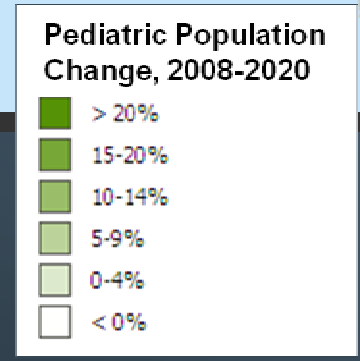
Alaska Market – Geography and Population

- 70% of children in Anchorage/Mat-Su and Interior regions
- Fastest growth in interior Region



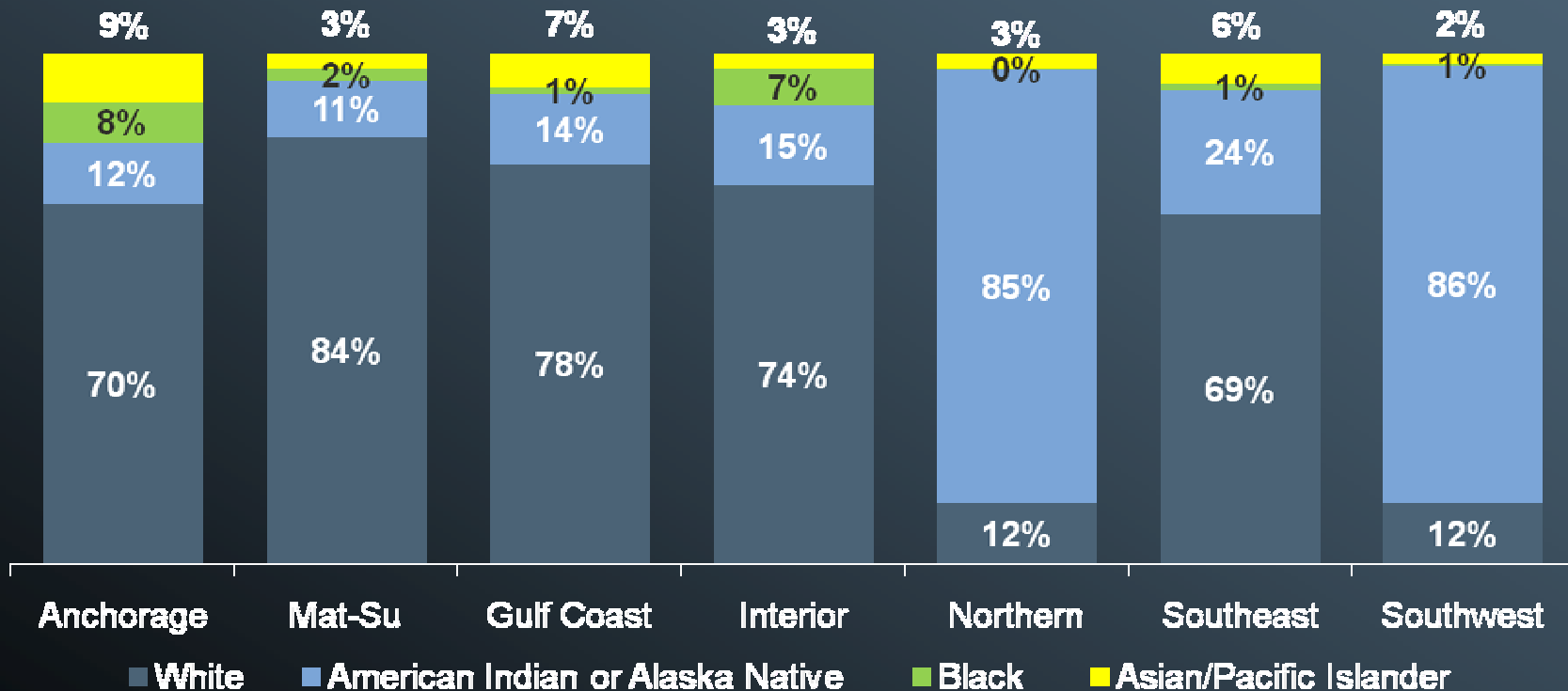
Pediatric Population (< 18 years) '000

<u>Region</u>	<u>2008</u>	<u>2020</u>	<u>% Growth</u>
Anchorage/ Mat-Su	105.3	118.4	12.4%
Interior	30.3	34.2	12.9%
Gulf Coast	20.2	20.4	1.0%
Northern	10.2	11.0	7.8%
Southeast	16.1	15.7	-2.5%
Southwest	14.0	15.6	11.4%
Grand Total	196.1	215.7	10.0%



Alaska Market – Pediatric Ethnicity

- Predominantly large native population in North and Southwest Regions
 - Diversity increasing: 72% white in 2006, 63% in 2008

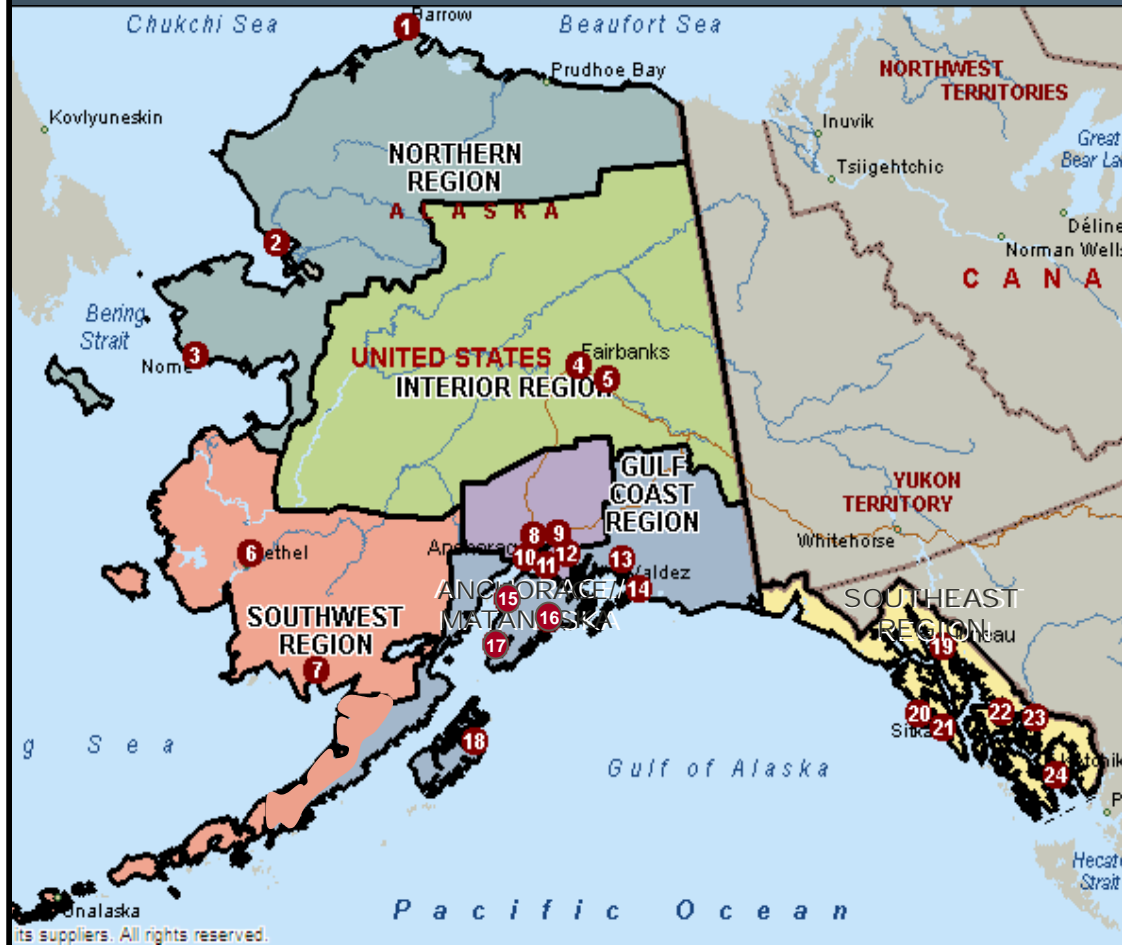


Source: Alaska Department of Labor and Workforce, 2006 data; KSA Analysis

Health Care Resources Available Today

- In 2009, there were 24 hospitals in Alaska; 8 providing pediatric services; 13 designated as Critical Access Hospitals

Hospitals Name	# Licensed Beds
1 - Samuel Simmonds Memorial Hospital	14
2 - Maniilaq Health Center	17
3 - Norton Sound Regional Hospital	36
4 - Bassett Army Community Hospital	24
5 - Fairbanks Memorial Hospital	207
6 - Yukon-Kuskokwim Delta Regional Hosp	54
7 - Kakanack Hospital (Bristol Bay Area)	15
8 - Mat-Su Regional Medical Center	74
9 - Alaska Native Medical Center	150
10 - Providence Alaska Medical Center	364
11 - U.S. Air Force Regional Hospital	64
12 - Alaska Regional Hospital	129
13 - Providence Valdez Medical Center	21
14 - Cordova Community Medical Center	23
15 - Central Peninsula General Hospital	108
16 - Providence Seward Medical Center	6
17 - South Peninsula Hospital	47
18 - Providence Kodiak Island Medical Ctr.	25
19 - Bartlett Regional Hospital	65
20 - Sitka Community Hospital	27
21 - Searhc Mt. Edgecumbe Hospital	27
22 - Petersburg Medical Center	27
23 - Wrangell Medical Center	22
24 - Ketchikan General Hospital	54
TOTAL BEDS	1,600



Major Hospitals Providing Care to Alaska's Children

- 96% of pediatric census in eight hospitals
- 90% in Anchorage

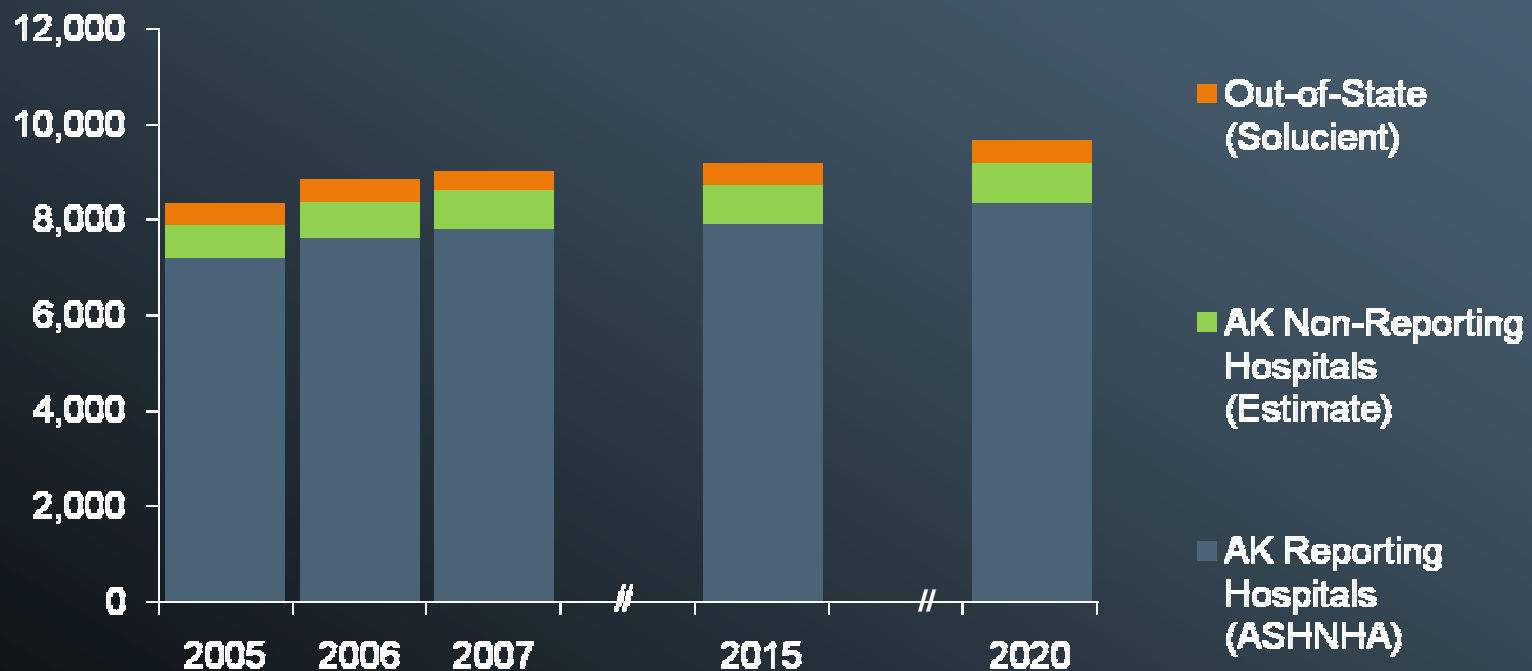
Hospital	2003 Days	2004 Days	2005 Days	ADC (Avg)
Providence Alaska Medical Center - Anchorage	24,446	24,271	24,785	67.2
Alaska Native Medical Center – Anchorage	9,314	8,302	9,092	24.4
Fairbanks Memorial Hospital	5,619	5,251	5,487	15.0
Alaska Regional Hospital – Anchorage	3,169	2,940	2,857	8.2
USAF 3rd Medical Group – Elmendorf	1,710	1,885	1,514	4.7
Mat-Su Regional Medical Center – Palmer	1,335	1,562	1,641	4.2
Central Peninsula Hospital – Soldotna	1,661	1,342	1,278	3.9
Bartlett Regional Hospital – Juneau	1,155	1,079	1,223	3.2
Ketchikan General Hospital	793	769	856	2.2
Providence Kodiak Island Medical Center	438	466	414	1.2
South Peninsula Hospital - Homer	360	348	267	0.9
Sitka Community Hospital	117	100	117	0.3
Providence Valdez Medical Center	42	61	76	0.2
Wrangell Medical Center	30	38	17	0.1
Petersburg Medical Center	33	27	24	0.1
Providence Seward Medical Center	9	12	9	0.0
Cordova Community Medical Center	24	0	0	0.0
Subtotal	50,255	48,453	49,657	135.7
Alaska Children in Washington Hospitals	2,430	3,041	3,355	8.1
Total	52,685	51,494	53,012	143.8

Note: Excludes six hospitals that do not report data to ASHNHA.

Source: ASHNHA data for 2003-2005; KSA Analysis

Alaska Market – Inpatient Demand

- In 2007, there were ~ 9,000 discharges for children
 - 95% are cared for in Alaska’s hospitals; 5% receive care outside of the State
- By 2020, there will be 9,700 discharges per year



Source: ASHNHA data for 2005-2007, Solucient data for out-of-state discharges.

Existing Pediatric Subspecialists

- There are 232 physicians providing pediatric care in Alaska today
 - 125 primary care; 107 specialists; 16 visiting specialists
 - 26 of the 107 specialists are adults providers

Specialties	Alaska Total	Visiting Specialists
Primary Care	125	
Medical Specialties	31	10
Surgical Specialties	35	2
Neonatology	10	-
Hospital-Based Specialties	31	4
Subtotal Pediatric Subspecialists	107	16
Total	232	16

Source: Alaska State Medical Association, 2009. Hospital websites, Provider e-mails, KSA analysis.

Existing Pediatric Subspecialists

Specialties	Anchorage/ Mat-SU	Gulf Coast	Interior	Northern	Southeast	Southwest	Alaska Total	Visiting DR's
Primary Care	68	14	20	1	16	6	125	
Medical Specialties	27	1			3		31	10
Adolescent Medicine	1						1	
Allergy/Immunology	4						4	
Cardiology	4						4	
Endocrinology	1						1	4
Gastroenterology								
Hematology/Oncology	2						2	1
Neurology	1						1	1
Neurodevelopmental	1						1	1
Nephrology	1						1	2
Psychiatry	8	1			3		12	
Pulmonology	1						1	
Rehabilitation								
Rheumatology								1
Sports Medicine	1						1	
Other Specialties	2						2	

Source: Alaska State Medical Association, 2009. Hospital websites, Provider e-mails, KSA analysis.

Existing Pediatric Subspecialists

Specialties	Anchorage/ Mat-Su	Gulf Coast	Interior	Northern	Southeast	Southwest	Alaska Total	Visiting DR's
Surgical Specialties	30		3		1	1	35	2
Cardiovascular Surgery								
Dentistry	17		3		1	1	22	
Dermatology								
ENT	3						3	
General Surgery	2						1	
Neurosurgery								
Ophthalmology	2						2	
Orthopedic Surgery								1
Plastic Surgery / OMF	4						4	
Urology	2						2	1
Other Specialties								
Neonatology	10						10	-
Hospital-Based Specialties	29		1		1		31	4
Anesthesiology	4						4	
Emergency Medicine							-	
Hospitalist	10				1		11	
Intensivist	9						9	
Radiology	3		1				4	
Clinical Genetics	3						3	4
Other Specialties							-	
Total	164	15	24	1	21	7	232	16

Source: Alaska State Medical Association, 2009. Hospital websites, Provider e-mails, KSA analysis.

Pediatric Subspecialty Distribution Model – Discussion



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Impressions

- Better than expected
 - Quality
 - Technology
 - Transport
 - “System”
- Fragmented
 - Intensive Care
 - Care systems
 - Coverage
 - Looks like “lower 48”
- Physician sustainability question
 - Historic private “one-sie – two-sie”
 - Competing staff models
 - Lack of academic elements
- Minimum private money (philanthropy)
 - Public funding limitations
 - Wealth and need in Alaska
 - Lack of “go to” cause

One Interpretation of Pediatric Subspecialty Distribution Strategy

(If we dropped from the moon...you'd need)

1. Basic Safety Net
 - › 1 trauma, several ERs
2. Neonatal support for OB
 - › Several per delivery sites (NICUs)
3. Fundamental Subspecialty – “Provide well”
 - › NICU III, PICU, Anesthesia
 - › General surgery, orthopedics, ENT
 - › Cardiology, ID, GI, neurology, pulmonary, oncology
4. Comprehensive Subspecialty – “Provide for”
 - › Cardiac surgery, neurosurgery, transplant, urology
 - › Hem-onc (major), genetics
 - › Structural relationship with 2-3 layers, etc.

One Interpretation of Pediatric Subspecialty Distribution Strategy (continued)

5. Statewide Access Center
 - › Air, ground transport
 - › Comprehensive tracking
6. All Alaska Foundation 501(c)3
 - › Major fundraising for pediatrics
 - › Sponsors Access Center
 - › Provides grants, gifts to provider community
 - › Supports research
7. U Wash – U Alaska Research Institute
 - › Core investigator, core space / facility
 - › Grant writing support
 - › Stipends / space to support physicians

Project Next Steps

- Complete interviews and situation assessment (December)
- Steering Committee meetings (January, February)
- Progress updates at regular AAPP meetings (December, January, February)

Alaska Market – Population by Borough

Region	Borough	2008	2020	% Change
ANCHORAGE/MAT SU REGION	Anchorage/Mat-Su	105,260	118,844	13%
INTERIOR REGION	Fairbanks	26,104	29,932	15%
	SE Fairbanks	2,190	2,417	10%
	Yukon-Kuyokuk	1,653	1,540	-7%
	Denali	403	327	-19%
GULF COAST REGION	Kenai Peninsula	13,546	14,352	6%
	Kodiak	4,187	3,414	-18%
	Valdez-Cordova	2,465	2,651	8%
SOUTHEAST REGION	Juneau	7,520	7,362	-2%
	Ketchikan	3,328	3,003	-10%
	Sitka	2,129	2,237	5%
	Wrangell-Petersburg	1,423	1,241	-13%
	Prince of Wales - Outer Ketchikan	1,428	1,028	-28%
	Skagway-Honnah-Angoon	622	415	-33%
	Haines	467	281	-40%
	Yakutat	149	150	1%
SOUTHWEST REGION	Bethel	6,934	7,930	14%
	Wade Hampton	3,576	4,189	17%
	Dillingham	1,700	1,775	4%
	Aleutians West	677	615	-9%
	Lake and Peninsula	508	421	-17%
	Aleutians East	353	373	6%
	Bristol Bay	255	291	14%
NORTHERN REGION	Nome	3637.6	4,381	20%
	Northwest Arctic	3054.2	3,461	13%
	North Slope	2,526	3,141	24%
Total		196,091	215,771	10%

Source: Alaska Department of Labor and Workforce; KSA Analysis