

# University of Hawai'i Second Decade

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University of Hawai'i Second Decade

## Purpose

- To identify the higher education needs of the State of Hawai'i in the next decade;
- To determine the relative priority of state higher education needs by region of the state
- To use this information to inform the 2007–09 Biennium Budget proposal development.

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## UH's Primary Mission

“... to provide environments in which faculty and students can discover, examine critically, preserve and transmit the knowledge, wisdom, and values that will help ensure the survival of the present and future generations with improvement in the quality of life.”

Source: University of Hawai'i Board of Regents Policies and Bylaws, Chapter 4, Planning, 2002

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## Guidance from BOR Policy

“The problems left by the tremendous expansion we have already experienced, the needs and aspirations of the citizens of Hawai'i, and the constraints on resources and time—all these require the University to develop an explicit statement of priorities and an orderly and reasonable plan for its further growth.”

“Not everything desired by the University can be accomplished and, certainly, not all at once.”

Source: University of Hawai'i Board of Regents Policies and Bylaws, Chapter 4, Planning, 2002

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## Underlying Principles

- Benefit of a single cohesive system of higher education

## A System of Campuses

- Geographically accessible entry points
- Flexibility for students to move within a system
- Cohesive response to state needs
- Coordinated leadership for resource acquisition and allocation

## Underlying Principles

- Benefit of a single cohesive system of higher education
- Need for mission differentiation

## Mission Differentiation

- UH Mānoa is a doctoral/research university with selective admissions. It offers baccalaureate, master's, and PhD degrees in an array of liberal arts and professional fields, degrees in law and medicine and carries out organized research activities.
- UH Hilo is a comprehensive, primarily baccalaureate institution with a regional mission, offering baccalaureate degrees in the liberal arts, agriculture, nursing, and business, as well as selected master's and doctoral degrees.

### Mission Differentiation (cont.)

- UH West O'ahu is a comprehensive, primarily baccalaureate institution founded in the liberal arts, serving professional, career-related, and applied fields, based on state and regional needs, committed to providing access through its partnerships and its distance delivery of programs.
- UH Community Colleges are a system of open-door, low-tuition institutions offering associate degrees and certificate programs in academic, technical, and occupational subjects.

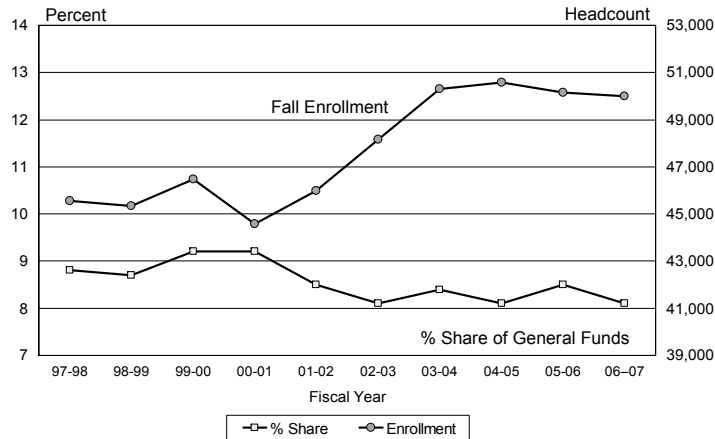
Source: University of Hawai'i Board of Regents Policies and Bylaws, Chapter 4, Planning

### Underlying Principles

- Benefit of a single cohesive system of higher education
- Need for mission differentiation
- Obligation to invest available resources effectively

### Level of Current Funding

UH Enrollment and Share of State General Funds



### State and Local Surplus or Shortfall as a Percent of Baseline Revenues in Year 2013

Rank	State	Percent	Rank	State	Percent	Rank	State	Percent
1	New Hampshire	-0.5	18	Colorado	-4.4	34	Iowa	-6.3
2	Delaware	-1.0	19	West Virginia	-4.8	35	Indiana	-6.5
3	New Jersey	-1.0	20	Kentucky	-4.8	36	North Carolina	-6.7
4	Maine	-1.6	21	Michigan	-4.8	37	Florida	-6.8
5	Maryland	-2.1	22	Arizona	-5.1	38	Idaho	-6.9
6	Massachusetts	-2.3	23	New York	-5.2	39	South Carolina	-7.0
7	Wisconsin	-2.8	24	Georgia	-5.2	40	South Dakota	-7.0
8	Vermont	-2.9	25	Hawai'i	-5.3	41	Missouri	-7.4
9	Ohio	-3.0	26	Illinois	-5.6	42	Washington	-8.0
10	North Dakota	-3.3	27	Pennsylvania	-5.6	43	Oregon	-8.2
11	Connecticut	-3.8	28	Alaska	-5.7	44	Texas	-8.9
12	Kansas	-3.9	29	Rhode Island	-5.7	45	Nevada	-9.3
13	Arkansas	-4.2		<b>United States</b>	<b>-5.7</b>	46	Tennessee	-9.3
14	Virginia	-4.2	30	Montana	-5.8	47	Mississippi	-9.8
15	Nebraska	-4.3	31	Utah	-5.8	48	Louisiana	-10.5
16	Oklahoma	-4.3	32	New Mexico	-5.9	49	Alabama	-10.7
17	Minnesota	-4.4	33	California	-6.2	50	Wyoming	-12.9

Source: Rockefeller Institute of Government, 2004 update (NCHEMS News, Vol 22, June 2005).

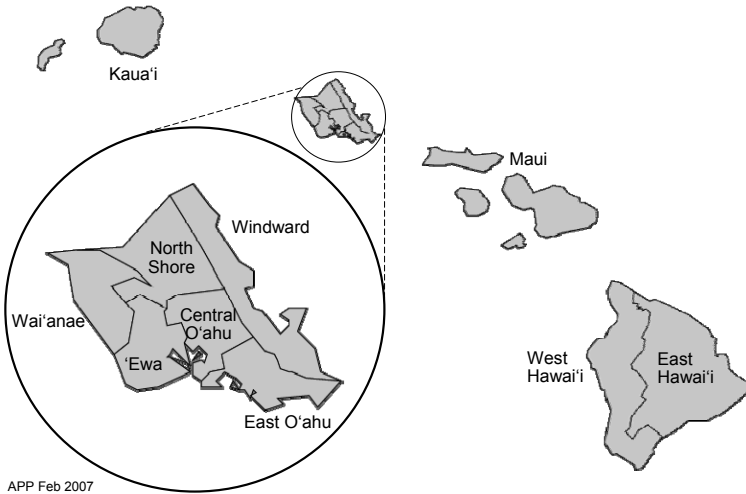
## Underlying Principles

- Benefit of a single cohesive system of higher education
- Need for mission differentiation
- Obligation to invest effectively available resources
- Need to balance educational mission and economic development

## Planning Context

- Population growth (# & %)
- High school graduation rates
- Income
- Workforce participation
- Educational attainment (<HS, HS, bachelor's)
- College going rate (2-yr, 4-yr)
- Job shortages (workforce needs)

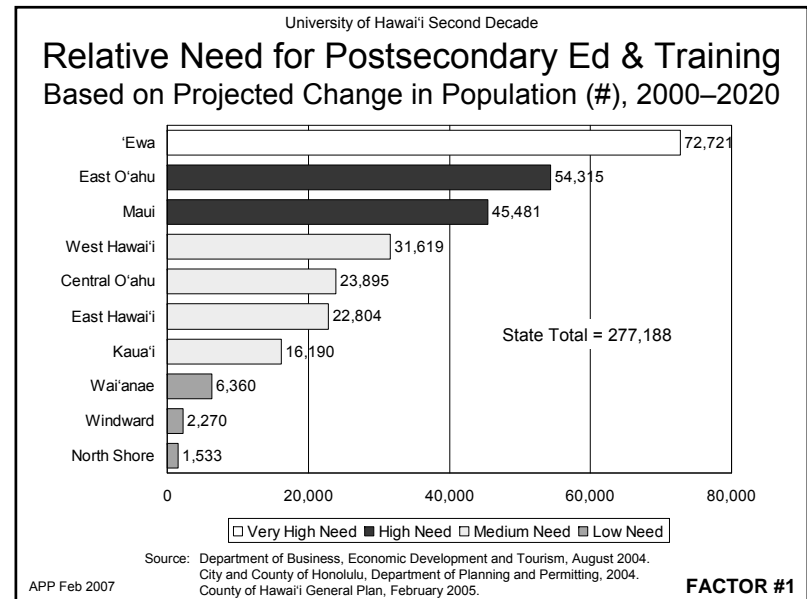
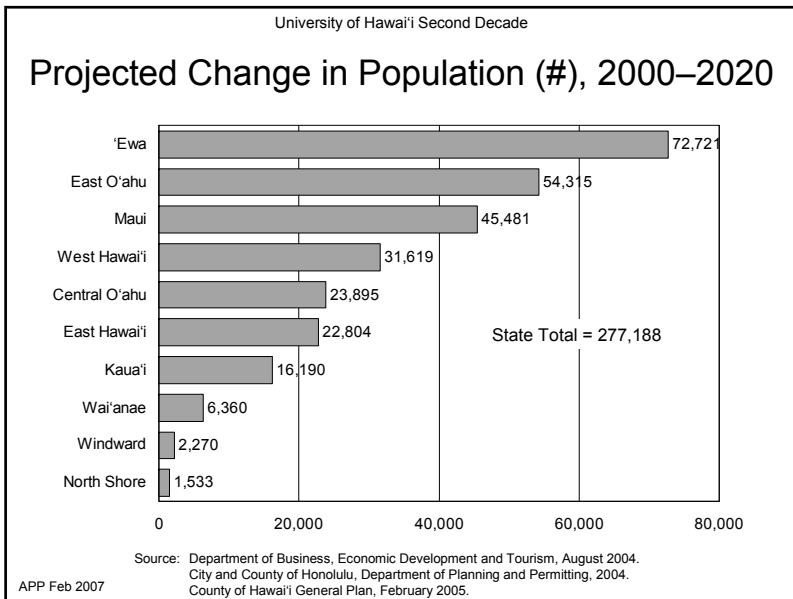
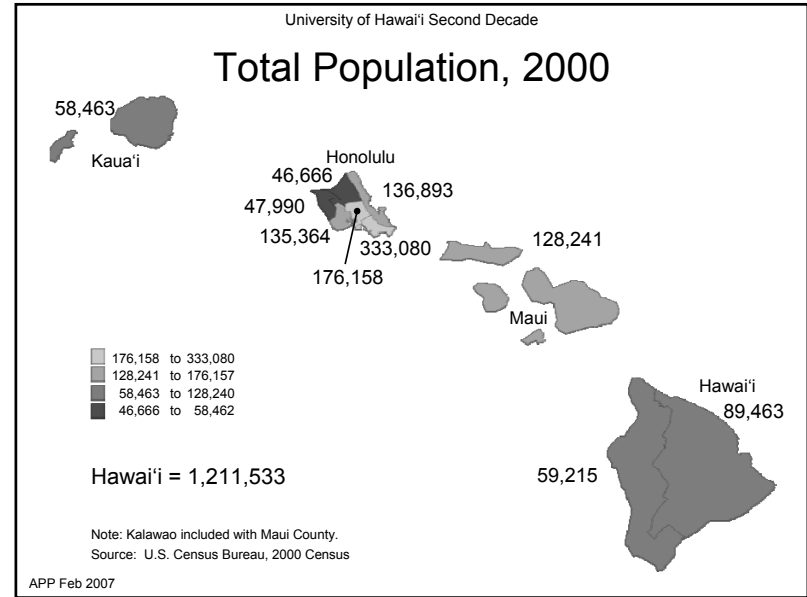
## State of Hawai'i, by Geographic Region

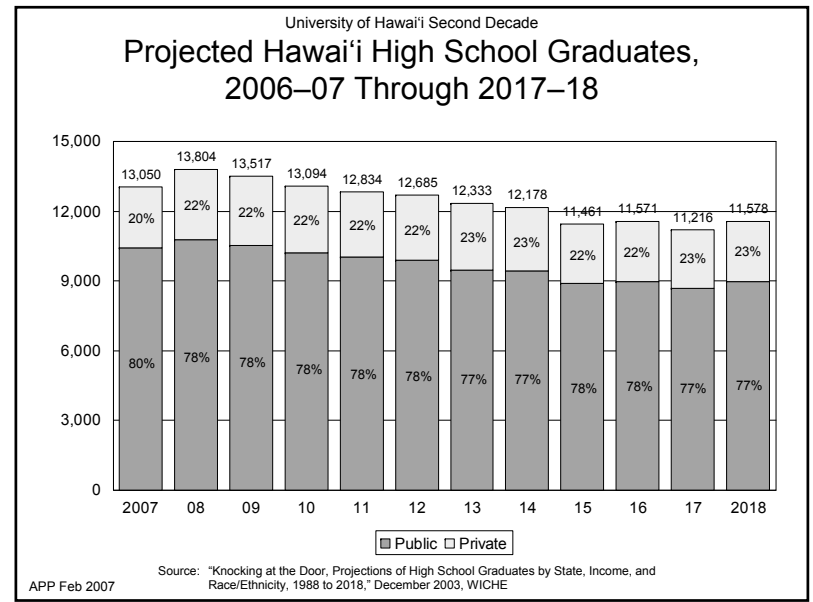
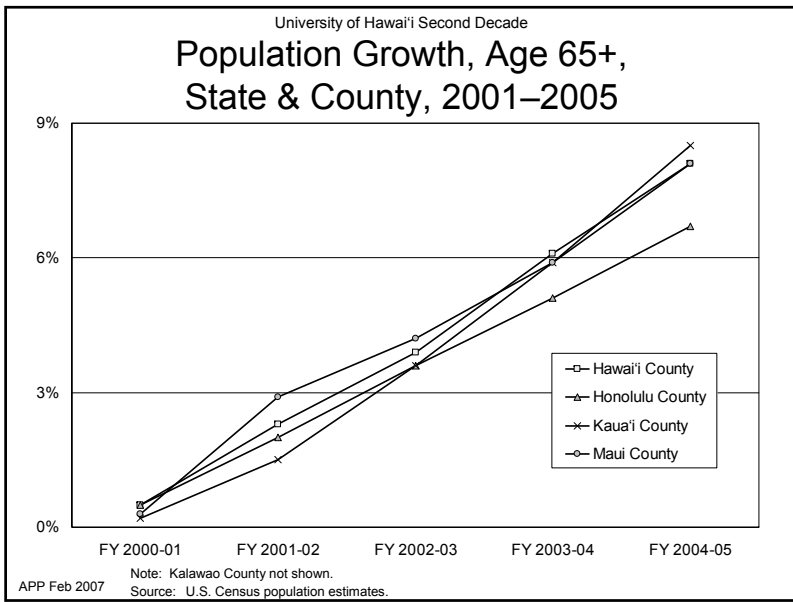
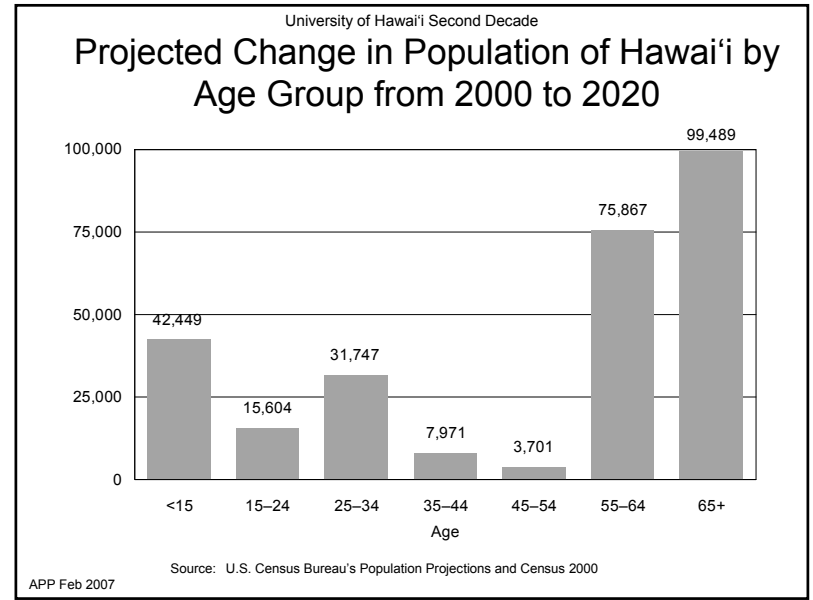
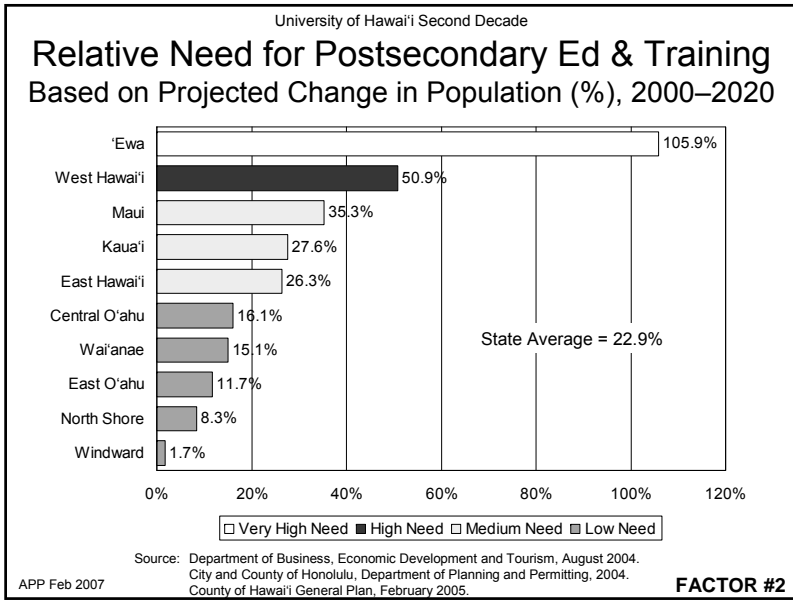


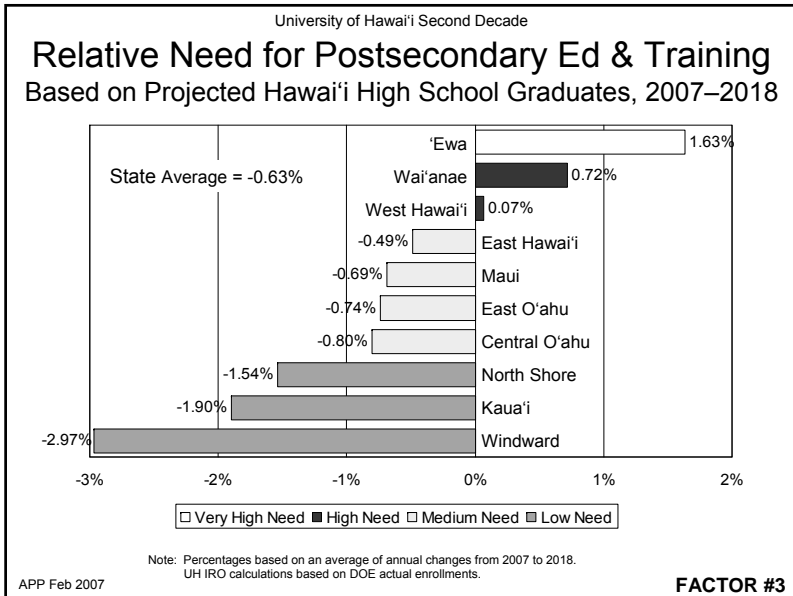
## State of Hawai'i Regions

<u>East O'ahu</u>	<u>Windward</u>	<u>Wai'anae</u>	<u>Kaua'i</u>	<u>East Hawai'i</u>
Downtown	Hau'ula	Wai'anae	'Ele'ele	Hakalau
Waikiki	Ka'a'awa		Hanapepe	Hawai'i National Park
Wai'alea Kāhala	Kahuku	<u>Maui</u>	Princeville DPOBU	Hilo
Kapālama	Kailua	Ha'ikū	Kalāheo	Hōnaunau
Makiki	Kāne'ohe	Hāna	Kapa'a	Honoka'a
Hawai'i Kai	Lā'ie	Ho'olehua	Kaumakani	Honomū
Honolulu	Waimānalo	Kahului	Kekaha	Kea'au
Fort Shafter	MCBH Kāne'ohe Bay	Kaunakakai	Kīlauea	Kurtistown
		Kīhei	Kōloa	Laupāhoehoe
<u>Central O'ahu</u>	<u>North Shore</u>	Kualapu'u	Līhu'e	Mountain View
'Aiea	Hale'iwa	Lahaina	Makaweli	Ninole
Pearl City	Wahiawā	Lāna'i City	Waimea	'O'ōkala
Mīlilani	Waialua	Makawao		Pā'auhau
Honolulu		Maunaloa	<u>West Hawai'i</u>	Pa'auilo
Hickam AFB	<u>'Ewa</u>	Pā'ia	Captain Cook	Pāhala
Pearl Harbor	'Ewa Beach	Kula	Hāwī	Pāhoa
Camp H M Smith	Kapolei	Wailuku	Hōlualoa	Pāpa'aloa
	Waipahu		Waikoloa	Pāpa'ikou
	Schofield Barracks		Kailua-Kona	Pepe'ekeo
	Pearl Harbor		Kamuela	Volcano
			Kealahou	
			Kapa'au	
			Nā'ālehu	

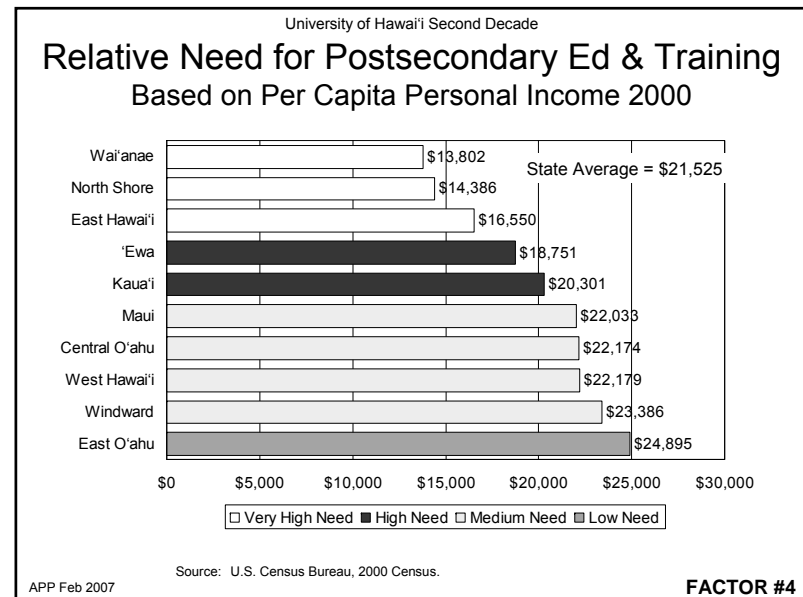
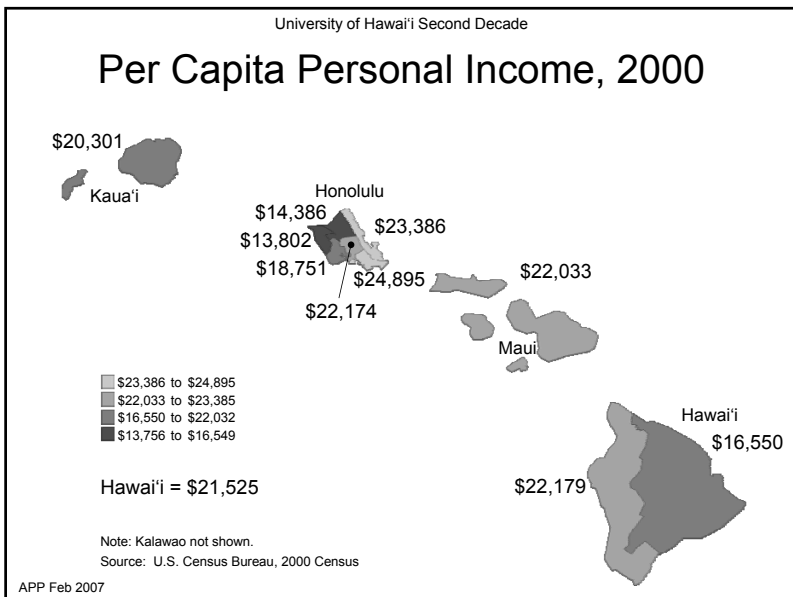
# State Population

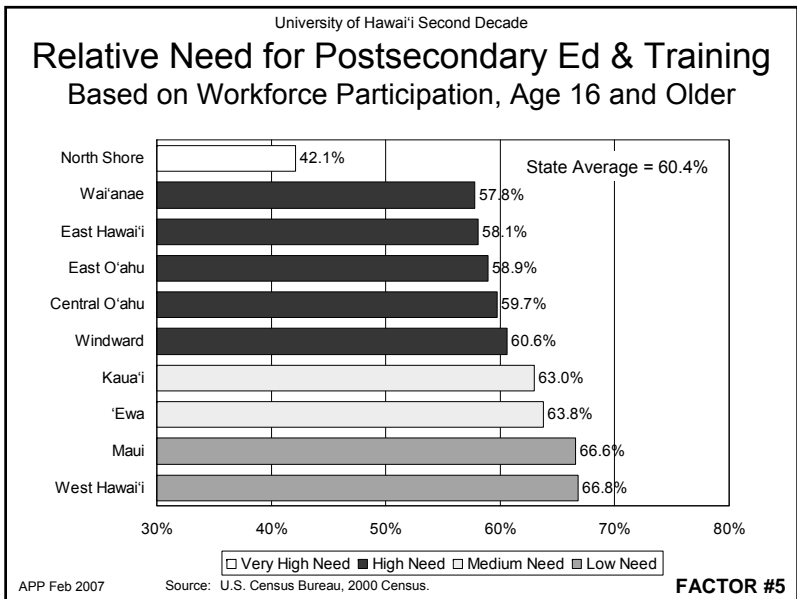
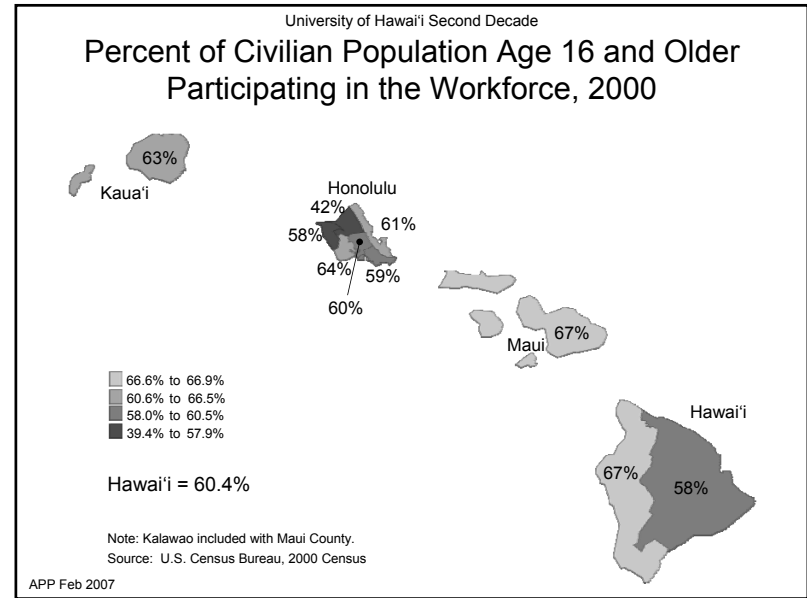
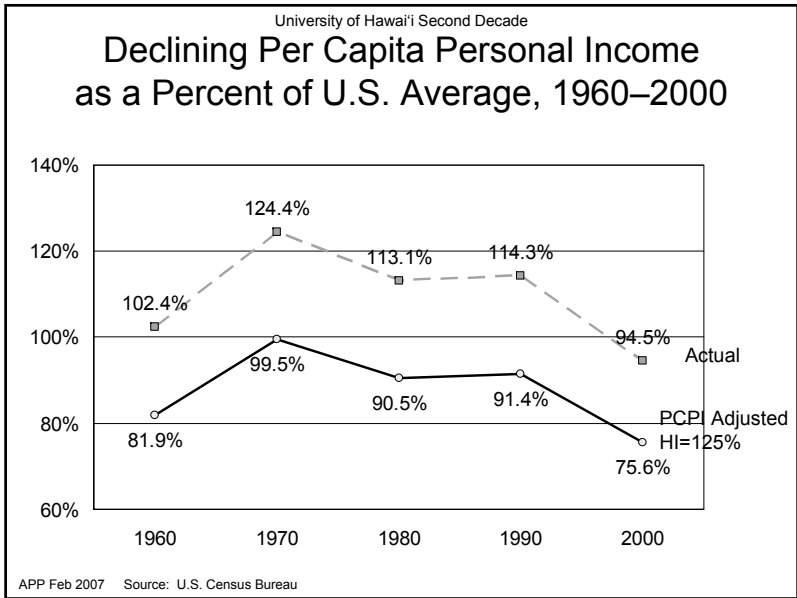






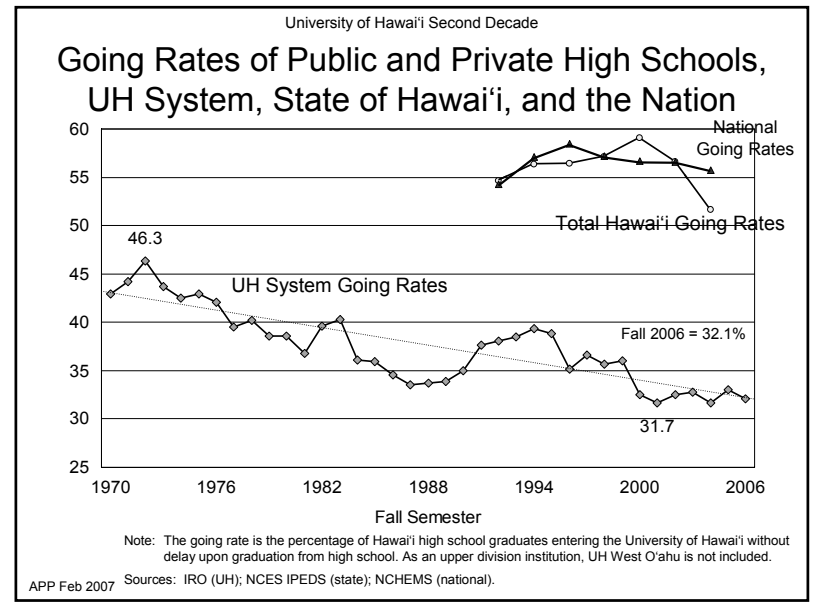
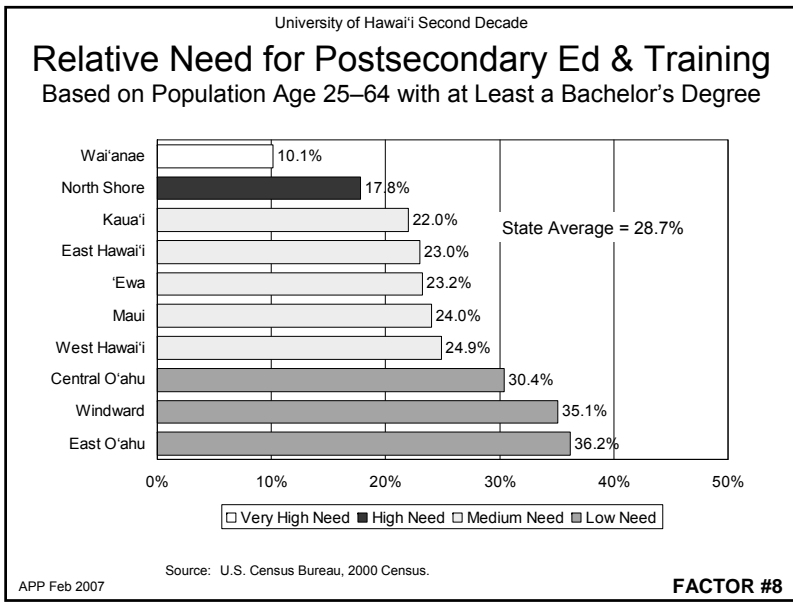
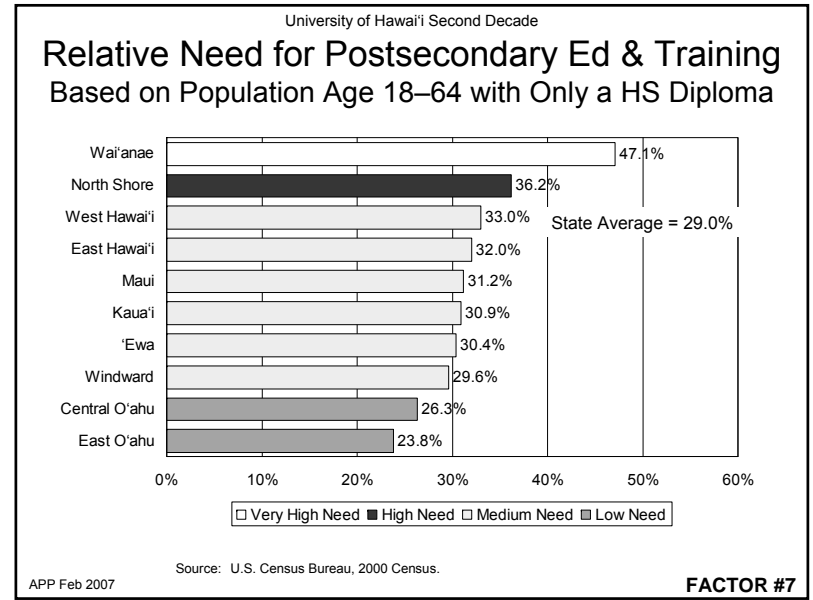
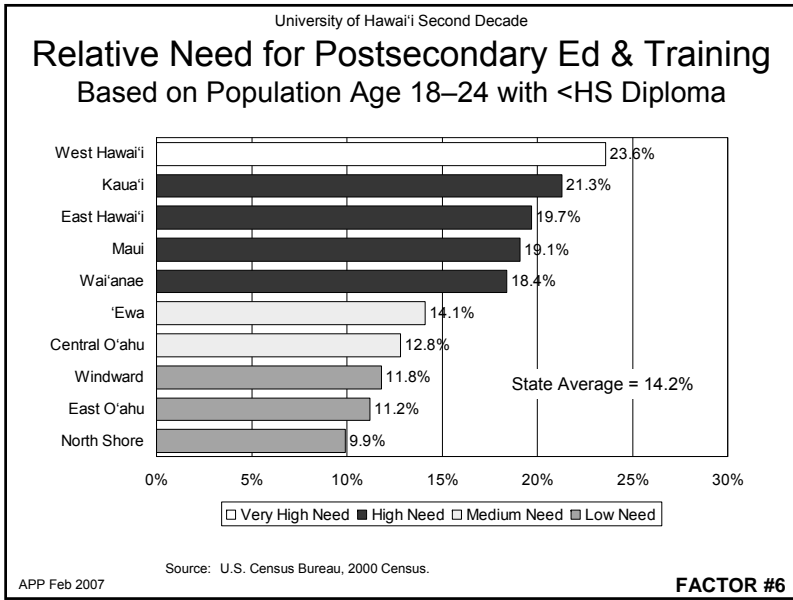
# Income & Workforce Participation

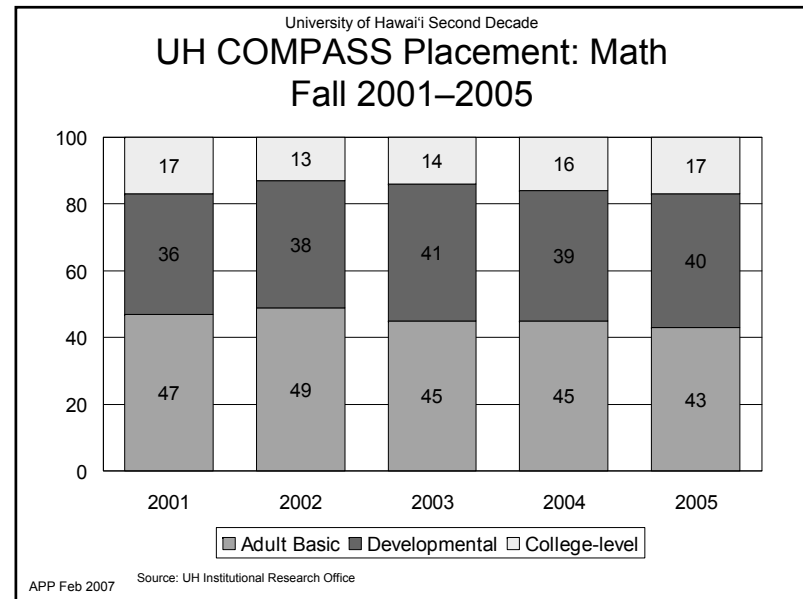
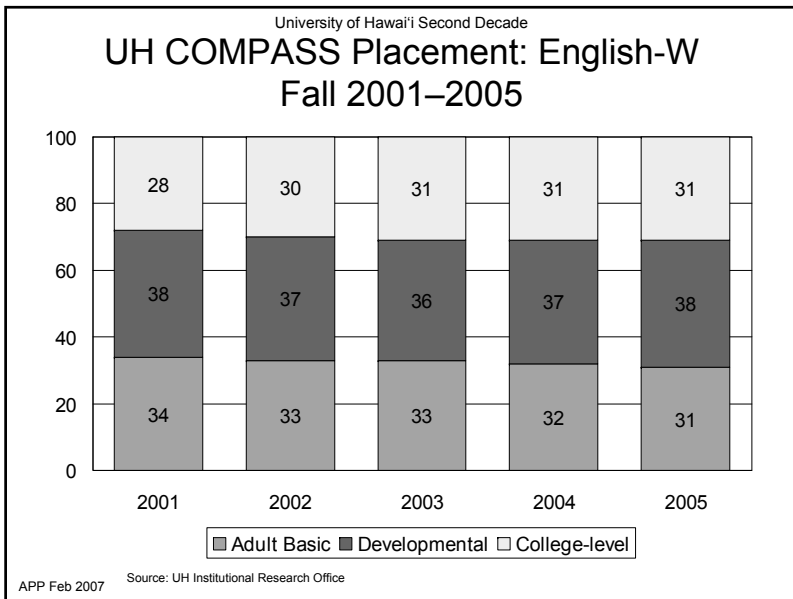
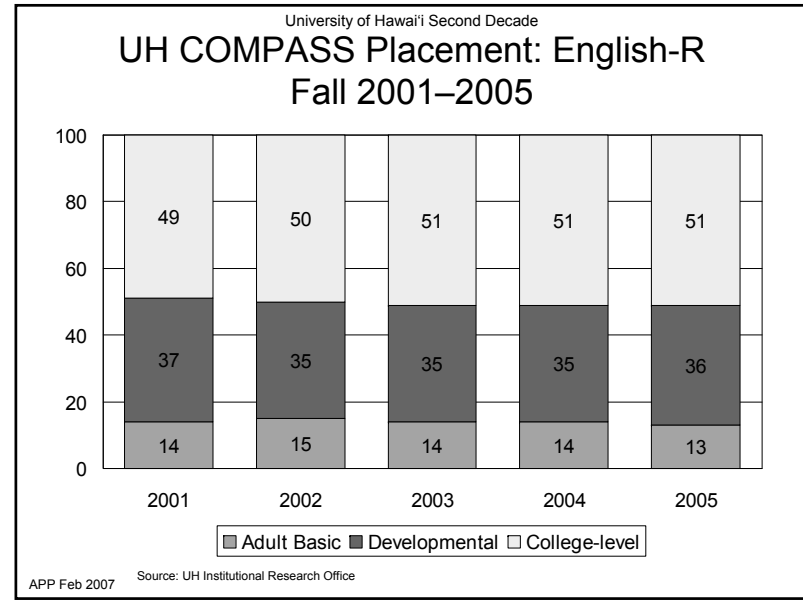
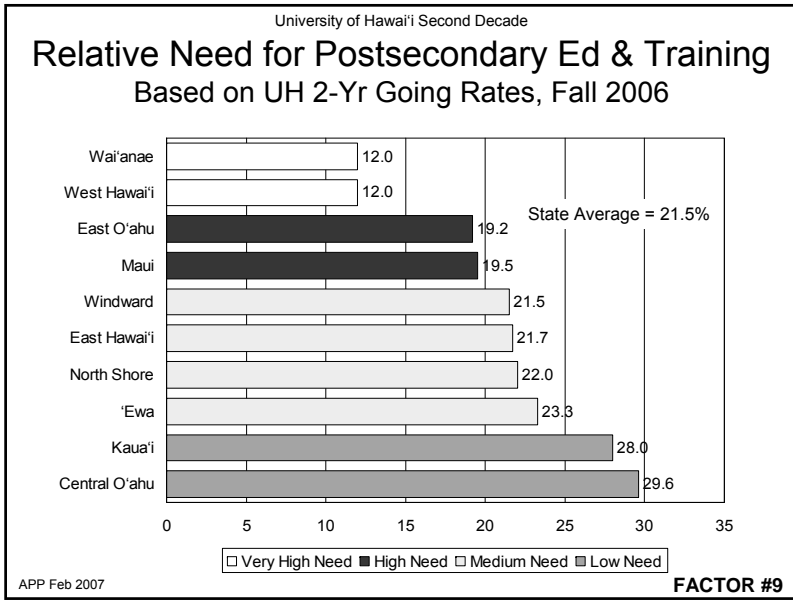




# Educational Attainment





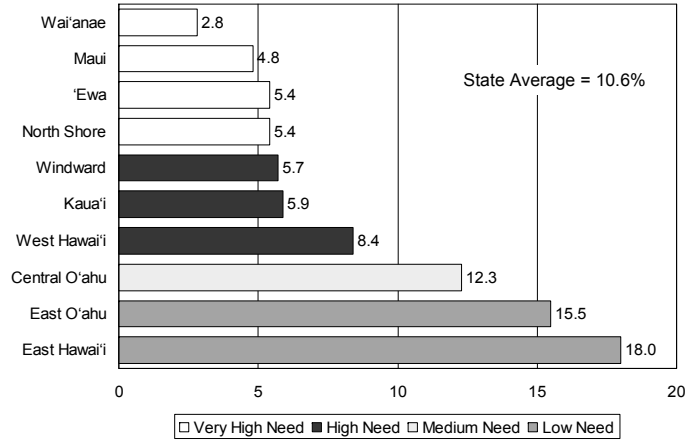


### K-12 Student Achievement

Preparation	Hawai'i		Top States 2006
	1992	2006	
8 <sup>th</sup> graders scoring at or above "proficient" on the national assessment exam:			
in math	14%	18%	38%
in reading	19%	18%	38%
in science	15%	15%	41%
in writing	15%	18%	41%
Number of scores in the top 20% nationally on SAT/ACT college entrance exam per 1,000 high school graduates	110	153	237
Number of scores that are 3 or higher on an Advanced Placement subject test per 1,000 high school juniors and seniors	92	112	217

APP Feb 2007 Source: Measuring Up 2006.

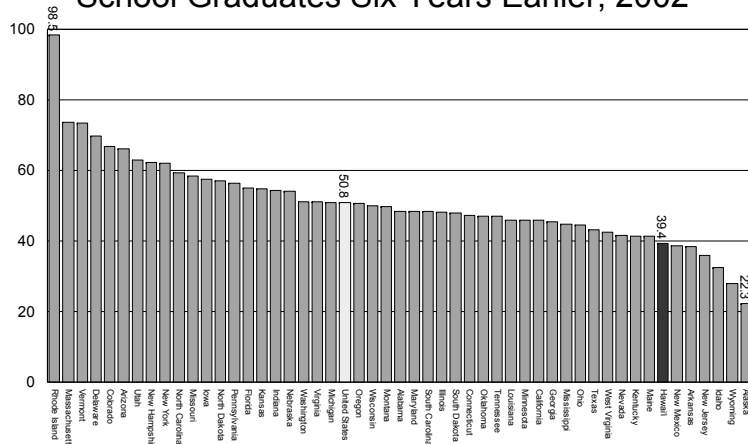
### Relative Need for Postsecondary Ed & Training Based on UH 4-Yr Going Rates, Fall 2006



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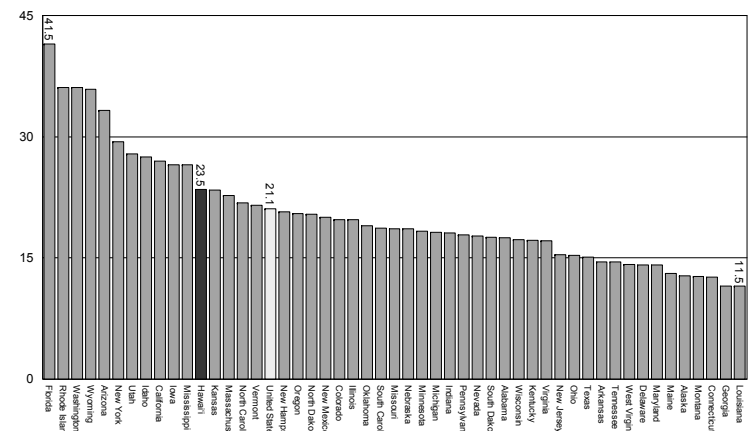
**FACTOR #10**

### Bachelor's Degrees Awarded per 100 High School Graduates Six Years Earlier, 2002

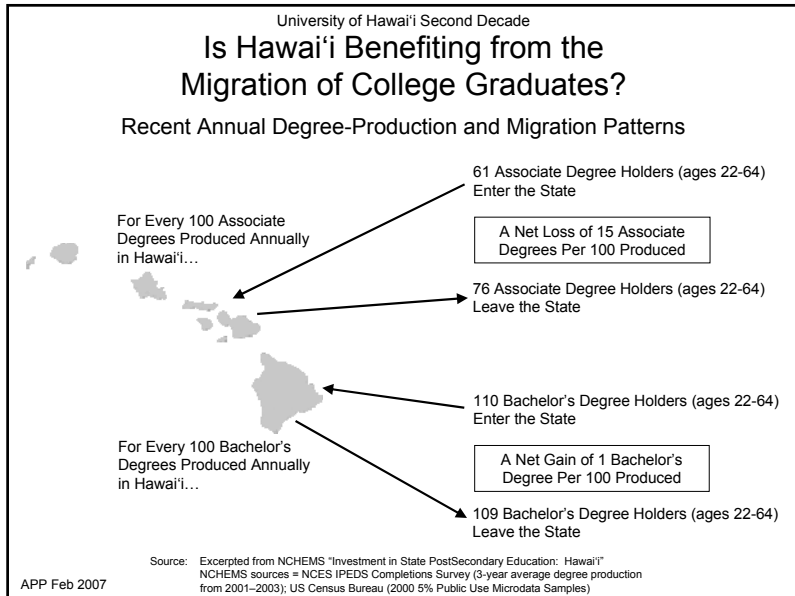


APP Feb 2007 Source: NCES-IPEDS Completions Survey, WICHE

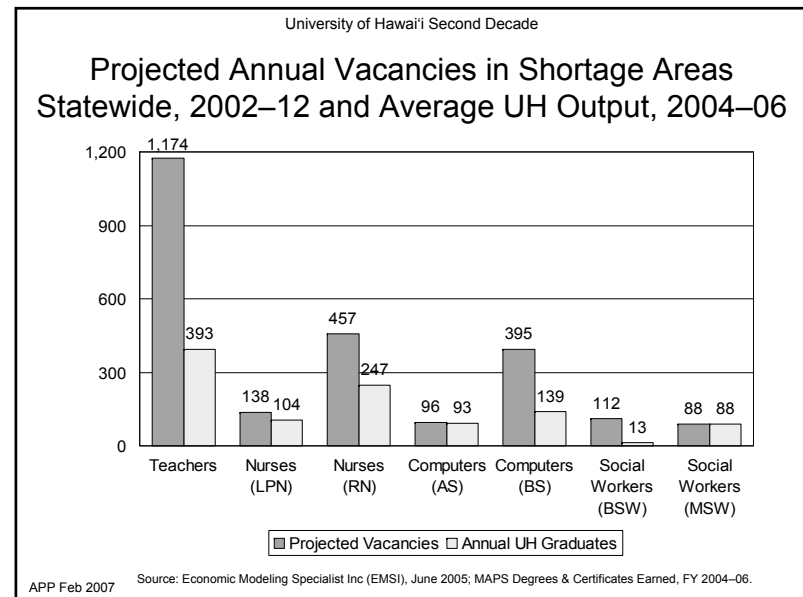
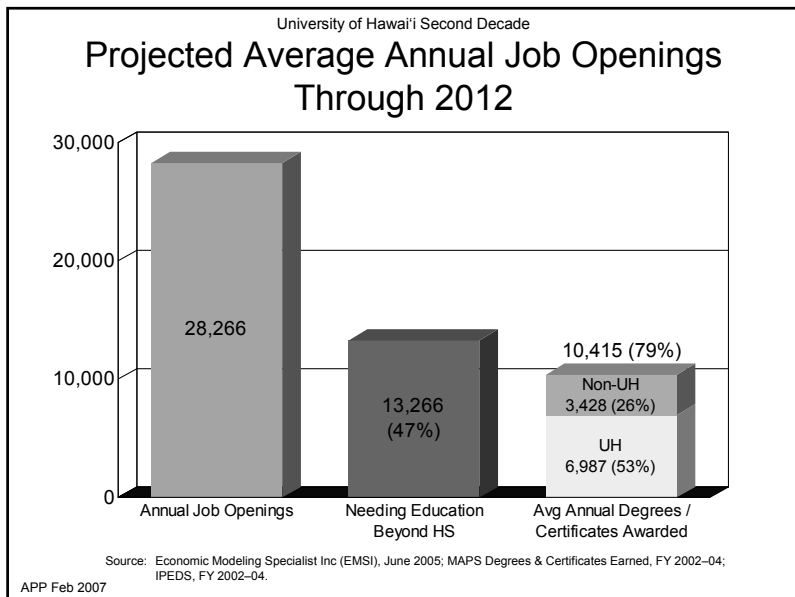
### Associate Degrees Awarded per 100 High School Graduates Three Years Earlier, 2002



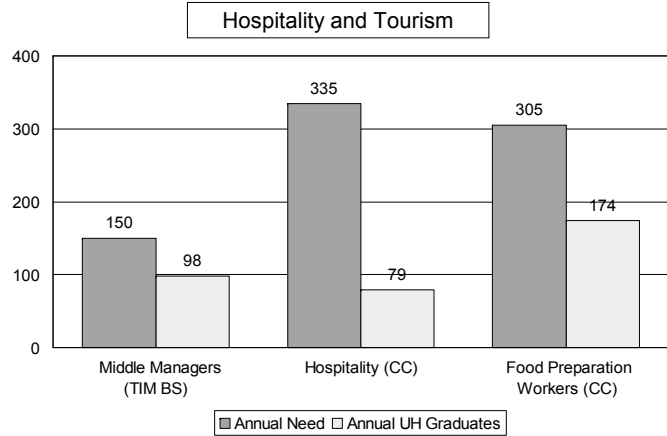
APP Feb 2007 Source: NCES-IPEDS Completions Survey, WICHE



# Workforce Development Needs



### Projected Annual Vacancies in Shortage Areas Statewide, 2002–12 and Average UH Output, 2004–06



APP Feb 2007 Source: State of Hawaii, Department of Labor and Industrial Relations, Research & Statistics Office; Economic Modeling Specialist Inc. (EMSI), June 2005; MAPS Degrees & Certificates Earned, FY 2004–06.

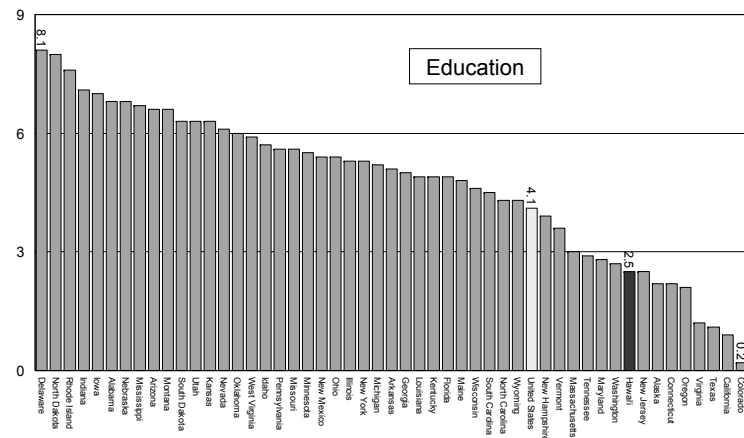
### Hawai'i: Emerging Opportunities

#### Enterprise Honolulu Projections:

- Life Sciences / Biotechnology
- Information Technology
- Telecommunications
- Film & Digital Media
- Diversified Agriculture

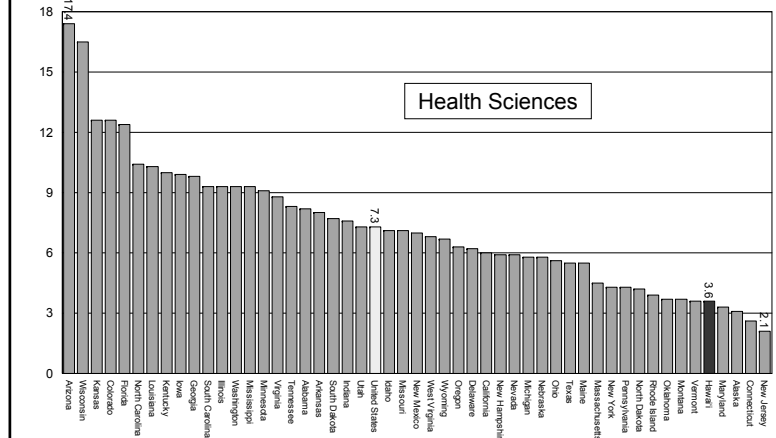
APP Feb 2007 Source: Enterprise Honolulu

### Number of Baccalaureate Degrees Awarded (2003) Per 100 High School Graduates Six Years Earlier, 1997

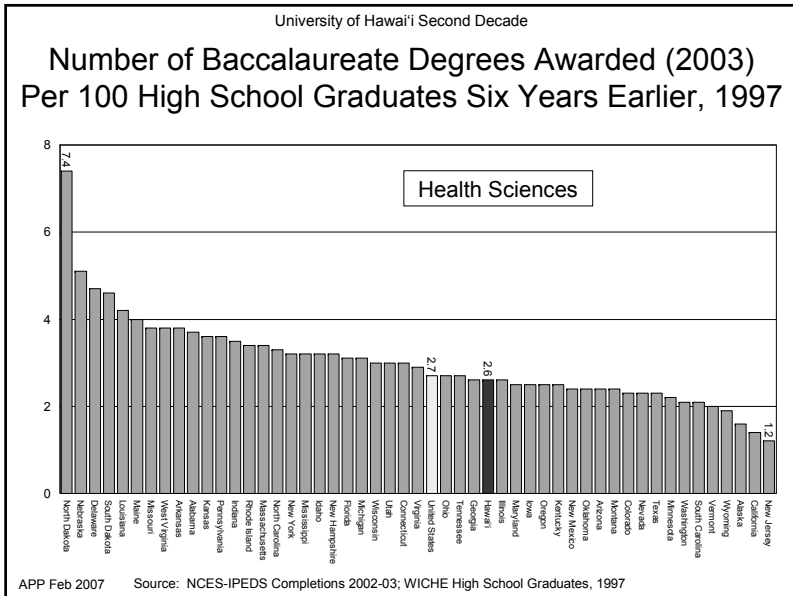


APP Feb 2007 Source: NCES-IPEDS Completions 2002-03; WICHE High School Graduates, 1997

### Number of Associate Degrees and Certificates Awarded (2003) Per 100 High School Graduates Three Years Earlier, 2000



APP Feb 2007 Source: NCES-IPEDS Completions 2002-03; WICHE High School Graduates, 2000



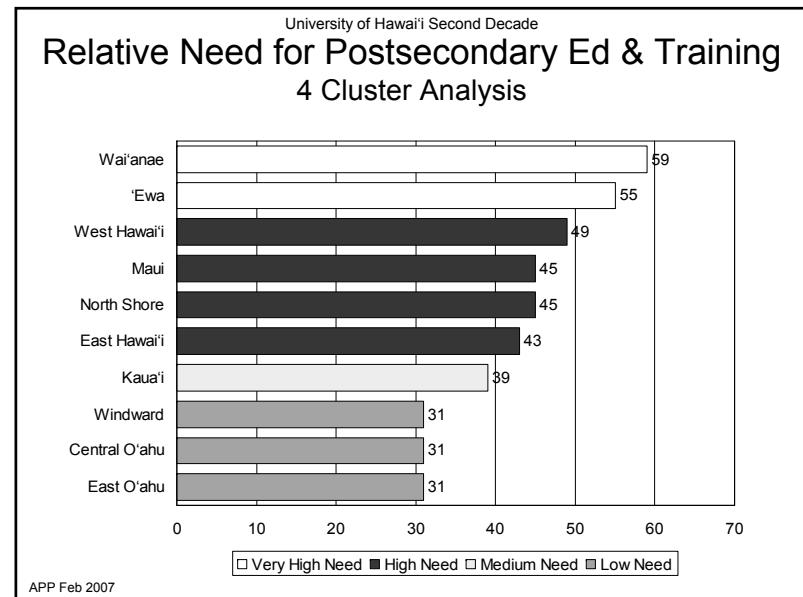
- University of Hawai'i Second Decade
- ### Summary of Planning Factors
- Population growth (# & %)
  - High school graduation rates
  - Income
  - Workforce participation
  - Educational attainment (<HS, HS, bachelor's)
  - College going rate (2-yr, 4-yr)
  - Job shortages (workforce needs)
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### Relative Need for Postsecondary Ed/Training by Region

Factors	East	Cent	'Ewa	Wai	N Sh	Win	E HI	W HI	Mau	Kau
Pop Growth (#)	High	Med	Very High	Low	Low	Low	Med	Med	High	Med
Pop Growth (%)	Low	Low	Very High	Low	Low	Low	Med	High	Med	Med
Proj HS Grad (Avg %)	Med	Med	Very High	High	Low	Low	Med	High	Med	Low
Income	Low	Med	High	Very High	Very High	Med	Very High	Med	Med	High
Workforce Particip %	High	High	Med	High	Very High	High	High	Low	Low	Med
Ed Attain (<HS Dipl)	Low	Med	Med	High	Low	Low	High	Very High	High	High
Ed Attain (HS Dipl)	Low	Low	Med	Very High	High	Med	Med	Med	Med	Med
Ed Attain (Bach)	Low	Low	Med	Very High	High	Low	Med	Med	Med	Med
Going Rates (2-Yr)	High	Low	Med	Very High	Med	Med	Med	Very High	High	Low
Going Rates (4-Yr)	Low	Med	Very High	Very High	Very High	High	Low	High	Very High	High
Skilled Workforce Needs	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Very High
<b>RELATIVE NEED</b>	<b>31</b>	<b>31</b>	<b>55</b>	<b>59</b>	<b>45</b>	<b>31</b>	<b>43</b>	<b>49</b>	<b>45</b>	<b>39</b>

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## Hawai'i's Higher Education Needs

1. Increase the educational capital of the state
2. Expand workforce development initiatives
3. Assist in diversifying the economy
4. Address underserved regions and populations of the state, particularly Native Hawaiians

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## Biennium Budget Planning

- How can UH expand service to better meet state needs?
- How can UH increase student participation and success?
- How will we know we have succeeded?
- How will we pay for these initiatives?

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## UH Priorities for the Next Decade...

- Focus our resources more sharply to meet state needs
- Partner with K–12 and early childhood education providers
- Access with Success

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## Web / E-mail

### Website

<http://www.hawaii.edu/offices/app/seconddecade/>

### E-mail

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