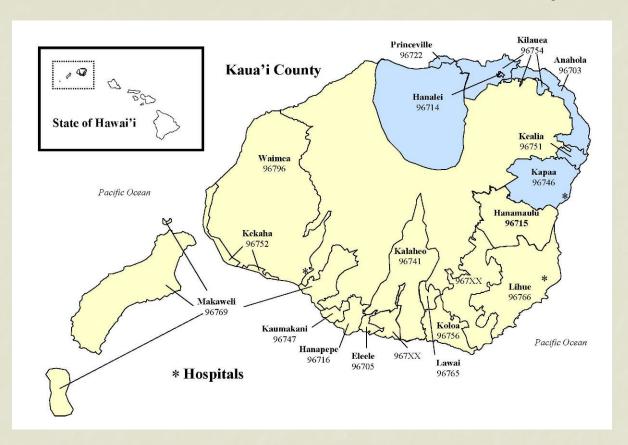
The Economic Impact of Samuel Mahelona Memorial Hospital on the Medical Service Area in Kaua'i County, Hawai'i



Prepared by:

National Center for Rural Health Works January 2008

The Economic Impact of Samuel Mahelona Memorial Hospital on the Medical Service Area in Kaua'i County, Hawai'i

Prepared for:

Samuel Mahelona Memorial Hospital and Hawai'i State Department of Health Hawai'i State Office of Rural Health

Prepared by:

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Health Services Promote Job Growth



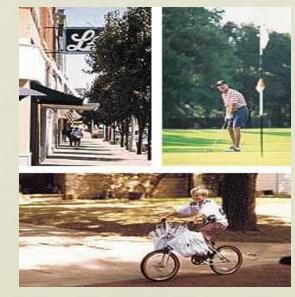
Health Services Foster Rural Development













Health Services Attract Retirees





Services that Impact Rural Development

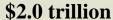
Type of Growth	Services Important to Attract Growth
Industry and Business	Health and Education
Retirees	Health and Safety

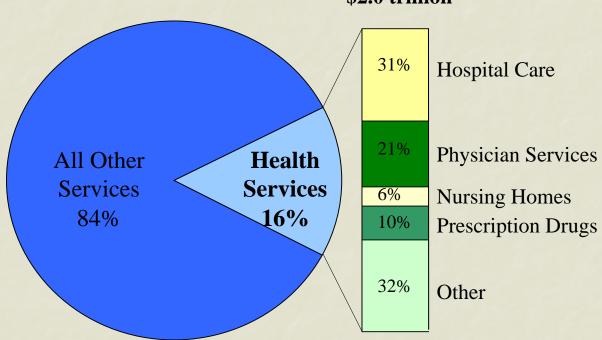
United States Health Expenditures and Employment Data for 1970-2005; Projected for 2008, 2012 & 2016

	United States Data							
	Total	Per Capita	Health	Health	Ave. Annual			
Year	Health	Health	as %	Sector	Increase in			
	Expenditures	Expenditures	of GDP	Employment	Employment			
<u> </u>	(\$\$ Billions)	(\$\$)	(%)	(000)	(%)			
1980	253.9	1,102	9.1%	5,278	7.3%			
1990	714.0	2,813	12.3%	7,814	4.8%			
2000	1,353.3	4,790	13.8%	10,103	2.9%			
2003	1,733.4	5,952	15.8%	11,817	N/A			
2005	1,987.7	6,697	16.0%	12,314	2.1%			
Projections								
2008	2,420.0	7,957	16.5%					
2012	3,173.4	10,110	17.9%					
2016	4,136.9	12,782	19.6%					

National Health Expenditures as a Percent of Gross Domestic Product and by Health Service Type, 2005

National Health Care Expenditures



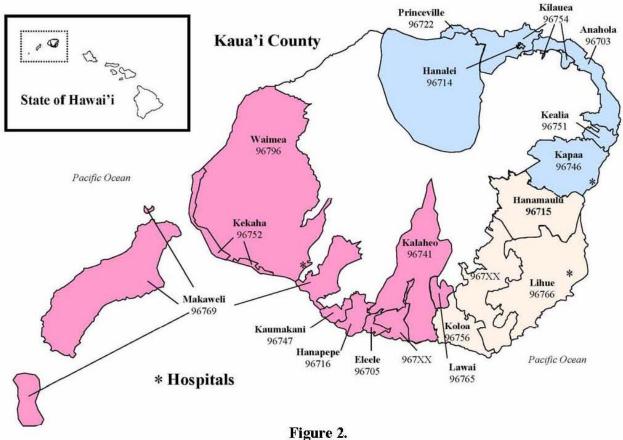


National Gross
Domestic Product

Type of Health Service

Zip	2000
Code	Population
Samuel Mahelona Me	morial Hospital
96703	2,174
96714	2,165
96722	1,212
96746	16,188
96751	209
96754	2,075
Total MSA	24,023
Kaua'i Veterans Mem	orial Hospital
96705	1,955
96716	2,475
96741	6,277
96747	607
96752	2,930
96765	n/a
96769	638
96796	2,205
Total MSA	17,087
Wilcox Memorial Hos	pital
96715	n/a
96756	5,312
96766	12,011
967XX	48
Total MSA	17,371
Total Zip Code	
Population	58,481

MSA	Hospital Name	City & Zip Location	Licensed Beds
	Samuel Mahelona Memorial Hospital	Kapaa - 96746	14
	Kaua'i Veterans Memorial Hospital	Waimea - 96796	25
	Wilcox Memorial Hospital	Lihue – 96766	71



Kaua'i County
Hospitals by Designated Medical Service Areas and by Zip Code Population

Table 2
Medical Service Area by Zip Code Population
for Samuel Mahelona Memorial Hospital, Kaua'i County, Hawai'i

		Populations					
	Zip Code	2000	2000	2006		2011	
Zip Code	Area	Census	ESRI	ESRI	% Chg	ESRI	% Chg
96703	Anahola	2,174					
96714	Hanalei	2,165					
96722	Princeville	1,212	3,364	3,660		3,846	
96746	Kapaa	16,188	18,525	19,802		20,708	
96751	Kealia	209					
96754	Kilauea	2,075	2,984	3,273		3,450	
Total MSA	A	24,023	24,873	26,735	7.5%	28,004	4.7%

Table 3
Samuel Mahelona Memorial Hospital, Kaua'i County, HI Zip Code Population of MSA by Race and Ethnic Groups

Zip	Zip Code			Native		Two or more		Hispanic
Code	Area	White	Black	American	Other	Races	Totals	Origin
96703	Anahola	530	8	9	1,053	574	2,174	163
96714	Hanalei	1,324	12	7	498	324	2,165	104
96722	Princeville	1,026	3	7	76	100	1,212	53
96746	Kapaa	5,095	66	79	6,495	4,453	16,188	1,458
96751	Kealia	51	1	1	104	52	209	24
96754	Kilauea	<u>1,153</u>	<u>6</u>	<u>11</u>	<u>577</u>	<u>328</u>	<u>2,075</u>	<u>121</u>
2000 Ce	ensus Totals	<u>9,179</u>	<u>96</u>	<u>114</u>	<u>8,803</u>	<u>5,831</u>	<u>24,023</u>	<u>1,923</u>
2000 %	of Total	<u>38.2%</u>	<u>0.4%</u>	<u>0.5%</u>	<u>36.6%</u>	<u>24.3%</u>	<u>100.0%</u>	<u>8.0%</u>
2006 %	of Total	<u>52.4%</u>	<u>0.5%</u>	<u>n/a</u>	<u>27.1%</u>	<u>n/a</u>	<u>80.0%</u>	<u>7.2%</u>

Table 4
Zip Code Population of Medical Service Area by Age Groups
for Samuel Mahelona Memorial Hospita, Kaua'i County, Hawai'i

		Age Groups						
Zip	Zip Code							
Code	Area	0-14	15-19	20-24	25-44	45-64	65+	Totals
96703	Anahola	553	183	133	599	541	165	2,174
96714	Hanalei	428	136	100	628	653	220	2,165
96722	Princeville	195	43	24	307	431	212	1,212
96746	Kapaa	3,760	1,188	780	4,532	4,177	1,751	16,188
96751	Kealia	34	20	14	57	31	53	209
96754	Kilauea	<u>510</u>	<u>145</u>	<u>73</u>	<u>591</u>	<u>579</u>	<u>177</u>	<u>2,075</u>
2000 Cei	nsus Totals	<u>5,480</u>	<u>1,715</u>	<u>1,124</u>	<u>6,714</u>	<u>6,412</u>	<u>2,578</u>	<u>24,023</u>
2000 %	of Total	<u>22.8%</u>	<u>7.1%</u>	<u>4.7%</u>	<u>27.9%</u>	<u>26.7%</u>	<u>10.7%</u>	<u>100.0%</u>
2006 % (of Total	<u>19.3%</u>	<u>7.9%</u>	<u>7.0%</u>	<u>23.0%</u>	<u>32.3%</u>	<u>10.7%</u>	<u>100.0%</u>

Table 5
Economic Indicators for Kaua'i County,
the State of Hawai'i, and the United States

Indicator	Kaua'i County	State of Hawai'i	United States
Total Personal Income (2005)	\$1,814,873,000	\$43,913,459,000	\$10,220,942,000,000
Per Capita Income (2005)	\$29,101	\$34,489	\$34,471
Employment (2006)	31,795	628,277	144,427,000
Unemployment (2006)	764	15,209	7,001,000
Unemployment Rate (2006)	2.3%	2.4%	4.6%
Employment (Nov 2007)	31,941	629,528	146,211,000
Unemployment (Nov 2007)	989	19,161	7,181,000
Unemployment Rate (Nov 2007)	3.0%	3.0%	4.7%
% of All People in Poverty (2005)	9.9%	12.5%	13.3%
% of Under Age 18 in Poverty (2005)	11.8%	15.7%	18.5%
Transfer Dollars (2005)	\$302,946,000	\$5,603,084,000	\$1,526,592,000,000
Transfer Dollars as Percentage of Total Personal Income (2005)	16.7%	12.8%	14.9%

Table 6a
Transfer Payments (NAICS)
for Kaua'i County and State of Hawai'i, 2005

	Kaua'i	County	State of H	lawai'i
	No.	% of	No.	% of
Employment Categories	of Jobs	Total	of Jobs	Total
Total transfer payments (\$1,000)	<u>302,946</u>	100.0%	<u>5,603,084</u>	100.0%
Govt payments to individuals	290,780	96.0%	5,363,384	<u>95.7%</u>
Ret & disab ins benefit pymts	114,592	<u>37.8%</u>	2,202,523	39.3%
Old-age, surv & disab ins pymts	113,620	37.5%	2,162,358	38.6%
Railroad ret & disab pymts	169	0.1%	2,609	0.0%
Workers' comp pymts (Fed & State)	487	0.2%	31,509	0.6%
Other govt disab ins & ret pymts	<u>316</u>	0.1%	<u>6,047</u>	0.1%
Medical pymts	131,753	43.5%	2,191,382	<u>39.1%</u>
Medicare	48,622	16.0%	1,032,782	18.4%
Public assist medical care	82,508	27.2%	1,129,486	20.2%
Military medical ins pymts	<u>623</u>	0.2%	<u>29,114</u>	0.5%

Table 6 b
Transfer Payments (NAICS)
for Kaua'i County and State of Hawai'i, 2005

	Kaua'i	County	State of H	lawai'i
	No.	% of	No.	% of
Employment Categories	of Jobs	Total	of Jobs	Total
Total transfer payments (\$1,000)	<u>302,946</u>	100.0%	<u>5,603,084</u>	100.0%
Govt payments to individuals	290,780	96.0%	5,363,384	<u>95.7%</u>
Ret & disab ins benefit pymts	114,592	<u>37.8%</u>	2,202,523	39.3%
Medical pymts	131,753	43.5%	2,191,382	39.1%
Income maint benefit pymts	30,322	10.0%	632,192	11.3%
Unemp ins benefit pymts	<u>5,332</u>	1.8%	93,217	1.7%
Vtrns benefit pymts	<u>7,513</u>	2.5%	196,847	3.5%
Fed edu & trng asst pymts (excl vtrns)	<u>1,161</u>	0.4%	<u>45,405</u>	0.8%
Other pymts to indvls	<u>107</u>	0.0%	<u>1,818</u>	0.0%
Payments to nonprofit institutions	<u>7,901</u>	2.6%	155,668	2.8%
Business payments to individuals	<u>4,265</u>	1.4%	<u>84,032</u>	1.5%

Table 7
Direct Economic Activities
of Samuel Mahelona Memorial Hospital, 2007

System Component	Total Full- & Part- Time Employment	Income (Payroll with Benefits)
Hospital	78	\$4,911,817
Skilled Nursing Facility	50	\$3,107,248
Emergency Medical Services	<u>8</u>	<u>\$662,140</u>
Total Direct Economic Activities	<u>136</u>	<u>\$8,681,205</u>

Community Economic System

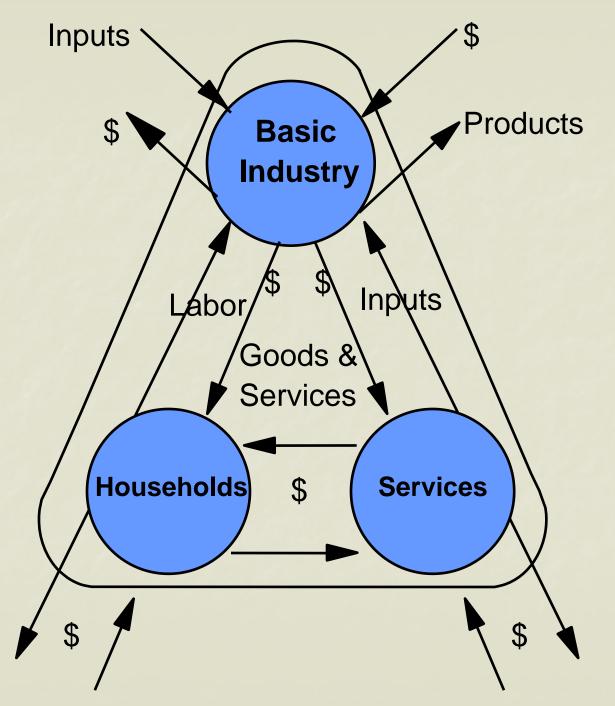


Table 8
Employment Impact
of Samuel Mahelona Memorial Hospital, 2007

System	Number of	Employment	Secondary	Total
Component	Employees	Multiplier	Impact	Impact
Hospital	78	1.48	37	115
Skilled Nursing Facility	50	1.26	13	63
Emergency Medical Services	<u>8</u>	1.51	4	<u>12</u>
Totals	<u>136</u>		<u>54</u>	<u>190</u>

Table 9
Income Impact
of Samuel Mahelona Memorial Hospital, 2007

System		Income	Secondary	Total
Component	Income	Multiplier	Impact	Impact
Hospital	\$4,911,817	1.27	\$1,326,191	\$6,238,008
Skilled Nursing Facility	\$3,107,248	1.21	\$652,522	\$3,759,770
Emergency Medical Services	\$662,140	1.32	\$211,885	\$874,025
Emergency Wedicar Services	φου2,140	1.32	Ψ211,005	ψοτ+,025
Totals	<u>\$8,681,205</u>		<u>\$2,190,598</u>	<u>\$10,871,803</u>
	The state of the state of			

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