



## University of Iowa Health Care

Presentation to

The Board of Regents, State of Iowa

March 13, 2013

I

### Agenda



- Opening Remarks (Jean Robillard)
- Mental Health Overview (James Potash)
- Operational & Financial Performance (Ken Kates, Ken Fisher)





### **Opening Remarks**

Jean Robillard, MD Vice President for Medical Affairs





### Mental Health Overview

James Potash, MD, MPH
Professor, Chair and Department Executive Officer
Department of Psychiatry
Paul W. Penningroth Chair

### Mental Health Strengths in Iowa



- UIHC Department of Psychiatry
  - Nationally recognized excellence
    - #16 in US News and World Report
    - #18 in National Institutes of Health funding
  - Public mental health and community psychiatry expertise

#### State

- System in place
  - community mental health centers, residential care facilities, and mental health institutes
- State mental health reform
  - opportunities for more integration, greater efficiency, and more complete services

### Weaknesses in Mental Health System



- UIHC: admission rates are high in part because insufficient resources to keep patients out of hospital
- UIHC: some very long stays on inpatient unit because hard to find safe place for patient to go
  - Lack of sub-acute facilities
  - Lack of facilities for intellectual disability
  - Lack of insurance for a large group of patients
- Mental health expertise in state in limited supply and distributed unevenly

#### **Problems: Inflow is Great**



- Current waiting list
  - For child clinic: 568 kids
  - For adults: 412 people waiting to be seen
- Psychiatric emergencies that we encounter now number 400 per month
  - Now 6-7 individuals in the ED at one time for a psychiatric emergency
  - Has risen dramatically
- There are an estimated 184,000 people with serious mental illness in state or ~6% of the population

### **Psychiatric Beds**



- Iowa is 48<sup>th</sup> in the country in # of psychiatric hospital beds per capita
  - 4.9 per 100,000
    - 50 per 100,000 thought to be minimum needed to provide optimal care
    - 40% reduction since 2001
- Mental health institutes (state mental hospitals) formerly had ~300 sub-acute beds...now NONE!
  - Sub-acute: for patients who do not need high intensity inpatient care but do need close attention
  - Important weak link in outflow
- Patients often cared for by primary care providers

### Patients with Intellectual Disability



#### Moral concerns

 "The measure of a society is how it treats its weakest and most vulnerable members"

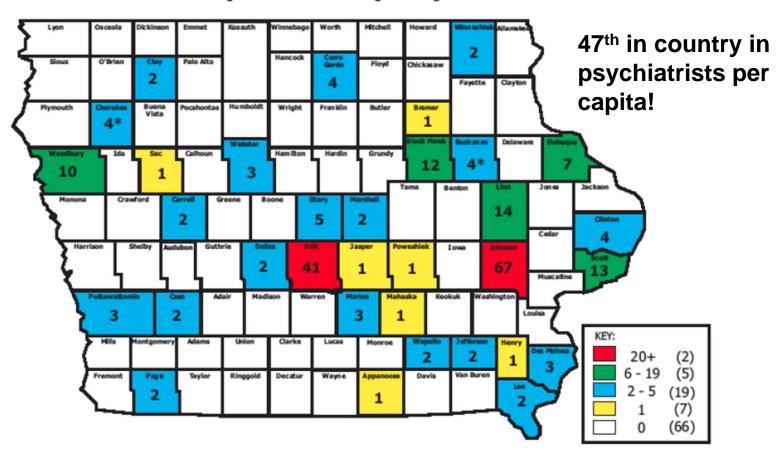
#### Practical concerns

- The inpatient hospital setting is not the place to best care for patients with intellectual disability
- Patients who stay longest at UIHC (up to 8 months!) most often those with intellectual disabilities for whom we cannot find a place to safely discharge them
- Last year: Top 10 utilizers cost \$4.5 M, with a loss of \$1.2 M

### **Shortage of Psychiatrists**



# GEOGRAPHIC DISTRIBUTION OF IOWA PHYSICIANS Psychiatrists (224)\*



### **Underfunding of State Mental Health System**



- Current system created in 1995 and based on county levies
- Established at \$120 M statewide
- No increase in 18 years!
- Current value of 1995 expenditure is \$181 M
- Danger that Mental Health Redesign will not rectify that

### Solutions: More Mental Health Redesign Funding



- Appropriate at least \$30 M for the Property Tax Equalization Fund established by mental health redesign
  - Makes up funding deficit for 55 counties
  - Needed to avert significant service cuts in those counties
- Appropriate additional dollars in that Fund to help relieve the ~\$48 million in debt that counties will currently bring into the new mental health service regions

### **Training Additional Providers**



- About half of the psychiatrists we train stay in the state
  - We could increase the size of our training program
- We currently have programs to train nurse practitioners and physician assistants to be mental health specialists
  - Could increase the size of those programs



### Community Services for Intellectual Disability



- UI Health Care investing in innovation in health services and has funded a program in psychiatry
- The group, led by Alison Lynch, MD, wants to develop enhanced community-based services to handle crises and/or prevent them
- Better for patients with intellectual disability, who want to stay out of hospital
- Better for freeing up beds for other patients in need
- Cost effective for UIHC
- There is also a current collaboration between the state and UI for the care of children with intellectual disability—led by Dr. Debra Waldron



### **Telepsychiatry**



- This is an attractive way to reach patients in underserved areas
- Child psychiatrist Jennifer McWilliams, MD, is delivering telepsychiatry care to parts of the state now
- Our faculty at the VA medical center use it as well
- We are exploring creating a fully staffed 24/7 capacity to serve emergency rooms around state



### Research to Change Psychiatry



#### Better services

- How can better care be delivered in a more cost-effective way?
- Transitional Care Teams project
- Carolyn Turvey, PhD, in psychiatry is co-leader
- Aim is to reduce re-admissions by improving the communication between UIHC inpatient team and the providers in outlying counties
- Currently 9 counties, with hope of extending the model further across the state



#### Research



#### Better treatments

- Medications work about 2/3 of the time
- So ~1/3 of people do not do well on medications, and for the ones who do, the medications take time to work, and there are often side effects
- We need better treatments!
- Andrew Pieper, MD, PhD, a psychiatrist and neuroscientist is working on developing new medications that might better treat psychiatric illness by stimulating the growth of brain cells
- Promising results in animal models...moving towards studies in patients



#### Research



- What are the causes of psychiatric illness?
- John Wemmie, another MD-PhD psychiatrist and neuroscientist, recently led a study that provided new insights into how the brain generates panic attacks
- This work advances efforts aimed at developing new approaches to treatment and to prevention



The New Hork Times

February 3, 2013

Study Discovers Internal Trigger for Panic Attack in the Previously Fearless

By JAMES GORMAN





### Operating and Financial Performance Update

Ken Kates, Chief Executive Officer UI Hospitals & Clinics

Ken Fisher, Associate Vice President for Finance and Chief Financial Officer

### **Volume Indicators**

#### Fiscal Year to Date January 2013



Operating Review (YTD)	Actual	Budget	Prior Year	Variance to Budget	% Variance to Budget	Variance to Prior Year	% Variance to Prior Year
Discharges	17,963	18,116	17,771	(153)	-0.8% 〇	192	1.1% 🔾
Patient Days	113,809	112,492	114,134	1,317	1.2% 🔾	(325)	-0.3%
Length of Stay	6.35	6.27	6.37	0.08	1.3% 🔾	(0.03)	-0.4%
Average Daily Census	529.34	523.22	530.85	6.13	1.2% 🔾	(1.51)	-0.3%
Total Surgeries	16,641	16,655	16,195	(86)	.005% 🔾	446	2.7%
- Inpatient	6,678	6,914	6,688	(236)	-3.4%	(10)	-0.1% 🔘
- Outpatient	9,963	9,741	9,507	222	2.3% (	456	4.8%
ED Visits	35,715	36,744	34,761	(1,029)	-2.8%	954	2.7%
Total Clinic Visits	459,930	443,542	446,087	16,388	3.7%	13,843	3.1%

Greater than 2.5% Favorable	0	Neutral	Greater than 2.5% Unfavorable
-----------------------------	---	---------	-------------------------------

# Discharges by Type Fiscal Year to Date January 2013



Operating Review (YTD)	Actual	Budget	Prior Year	Variance to Budget	% Variance to Budget	Variance to Prior Year	% Variance to Prior Year
Adult Medical	6,105	6,155	6,062	(50)	-0.8%	43	0.7% 🔾
Adult Surgical	8,277	8,252	8,075	25	0.3% 🔾	202	2.5% 🔾
Adult Psych	855	879	866	(24)	-2.7%	(11)	-1.3% 🔘
Subtotal – Adult	15,237	15,285	15,003	(48)	-0.3% 🔾	234	1.6% 🔾
Pediatric Medical & Surgical	1,931	2,012	1,962	(81)	-4.0%	(31)	-1.6% 🔾
Pediatric Critical Care	482	462	455	20	4.3%	27	5.9%
Pediatric Psych	313	356	351	(43)	-12.1%	(38)	-10.8%
Subtotal – Pediatrics w/o newborn	2,726	2,831	2,768	(105)	-3.7%	(42)	-1.5% 🔾
Newborn	843	786	847	57	7.3%	(4)	-0.5% 🔾
TOTAL w/o Newborn	17,963	18,116	17,771	(153)	-0.8%	192	1.1% 🔾

	0	
Greater than 2.5% Favorable	Neutral	Greater than 2.5% Unfavorable

### **Discharge Days by Type**

Fiscal Year to Date January 2013

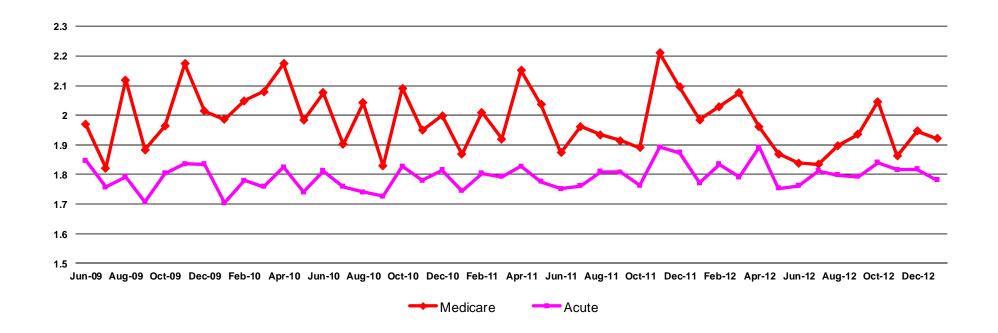


Operating Review (YTD)	Actual	Budget	Prior Year	Variance to Budget	% Variance to Budget	Variance to Prior Year	% Variance to Prior Year
Adult Medical	33,900	35,439	35,161	(1,539)	-4.3%	(1,261)	-3.6%
Adult Surgical	41,938	42,276	42,496	(338)	-0.8% 🔘	(558)	-1.3%
Adult Psych	11,957	11,059	11,013	898	8.1%	944	8.6%
Subtotal – Adult	87,795	88,774	88,670	(979)	-1.1% 🔾	(875)	-1.0%
Pediatric Medical & Surgical	10,477	10,714	10,597	(237)	-2.2% 🔘	(120)	-1.1%
Pediatric Critical Care	12,993	11,299	11,264	1,694	15.0%	1,729	15.3%
Pediatric Psych	2,759	2,743	2,719	16	0.6% 🔾	40	1.5%
Subtotal – Pediatrics w/o newborn	26,229	24,755	24,580	1,474	6.0%	1,649	6.7%
Newborn	1,858	1,888	1,891	(30)	-1.6% 🔾	(33)	-1.7%
TOTAL w/o Newborn	114,024	113,529	113,250	495	0.4%	774	0.7%

	0	
Greater than 2.5% Favorable	Neutral	Greater than 2.5% Unfavorable

### Case Mix Index





### Inpatient Surgeries – by Clinical Department

January 2013



Actual	Budget	Prior Year	Variance to Budget	% Variance to Budget	Variance to Prior Year	% Variance to Prior Year
534	697	658	(163)	-23.4%	(124)	-18.8%
73	92	89	(19)	-20.3%	(16)	-18.0%
1,920	1,998	1,934	(78)	-3.9%	(14)	-0.7%
418	447	429	(29)	-6.5%	(11)	-2.6%
1,046	997	991	49	4.9%	55	5.5%
87	91	89	(4)	-4.4%	(2)	-2.3% (
1,637	1,569	1,514	68	4.3%	123	8.1%
389	474	468	(85)	-17.9%	(79)	-16.9%
72	79	75	(7)	-8.8%	(3)	-4.0%
502	469	440	33	7.1%	62	14.1%
6,678	6,914	6,688	(236)	-3.4%	(9)	-0.1%
215	197	168	18	9.1%	47	28.0%
	534 73 1,920 418 1,046 87 1,637 389 72 502 6,678	534       697         73       92         1,920       1,998         418       447         1,046       997         87       91         1,637       1,569         389       474         72       79         502       469         6,678       6,914	Actual         Budget         Year           534         697         658           73         92         89           1,920         1,998         1,934           418         447         429           1,046         997         991           87         91         89           1,637         1,569         1,514           389         474         468           72         79         75           502         469         440           6,678         6,914         6,688	Actual         Budget         Year         Budget           534         697         658         (163)           73         92         89         (19)           1,920         1,998         1,934         (78)           418         447         429         (29)           1,046         997         991         49           87         91         89         (4)           1,637         1,569         1,514         68           389         474         468         (85)           72         79         75         (7)           502         469         440         33           6,678         6,914         6,688         (236)	Actual         Budget         Prior Year         Variance to Budget         Variance to Budget           534         697         658         (163)         -23.4%         •           73         92         89         (19)         -20.3%         •           1,920         1,998         1,934         (78)         -3.9%         •           418         447         429         (29)         -6.5%         •           1,046         997         991         49         4.9%         •           87         91         89         (4)         -4.4%         •           1,637         1,569         1,514         68         4.3%         •           389         474         468         (85)         -17.9%         •           72         79         75         (7)         -8.8%         •           502         469         440         33         7.1%         •           6,678         6,914         6,688         (236)         -3.4%         •	Actual         Budget         Prior Year         Variance to Budget         Variance to Budget         to Prior Year           534         697         658         (163)         -23.4%         (124)           73         92         89         (19)         -20.3%         (16)           1,920         1,998         1,934         (78)         -3.9%         (14)           418         447         429         (29)         -6.5%         (11)           1,046         997         991         49         4.9%         55           87         91         89         (4)         -4.4%         (2)           1,637         1,569         1,514         68         4.3%         123           389         474         468         (85)         -17.9%         (79)           72         79         75         (7)         -8.8%         (3)           502         469         440         33         7.1%         62           6,678         6,914         6,688         (236)         -3.4%         (9)

Greater than 2.5% Favorable

Neutral

Greater than 2.5% Unfavorable

### Outpatient Surgeries – by Clinical Department



January 2013

Operating Review (YTD)	Actual	Budget	Prior Year	Variance to Budget	% Variance to Budget	Variance to Prior Year	% Variance to Prior Year
Cardiothoracic	42	43	42	(1)	-2.4%	0	0
Dentistry	387	386	386	1	0.2%	1	0.3% 🔘
Dermatology	27	21	28	6	29.0%	(1)	-3.6%
General Surgery	1,584	1,547	1,536	37	2.4%	48	3.1%
Gynecology	441	517	500	(76)	-14.7%	(59)	-11.8%
Internal Medicine	6	7	8	(1)	-16.3%	(2)	-25.0%
Neurosurgery	356	264	250	92	34.8%	106	42.4%
Ophthalmology	2,195	2,186	2,104	9	0.4%	91	4.3%
Orthopedics	2,277	2,304	2,317	(27)	-1.2%	(40)	-1.7% 🔘
Otolaryngology	1,422	1,430	1,372	(8)	-0.5%	50	3.6%
Pediatrics	2	0	0	2		0	
Radiology – Interventional	28	26	22	2	7.9%	6	27.3%
Urology w/ Procedure Ste.	1,196	1,010	942	186	18.4%	254	27.0%
Total	9,963	9,741	9,507	222	2.3%	456	4.8%

Greater than Neutral Greater than 2.5% Favorable 2.5% Unfavorable

### **Emergency Department**





Operating Review (YTD)	Actual	Budget	Prior Year	Variance to Budget	% Variance to Budget	Variance to Prior Year	% Variance to Prior Year
ED Visits	35,715	36,744	34,761	(1,029)	-2.8%	954	2.7%
ED Admits	10,141	9,983	9,380	158	1.6% 🔾	761	8.1%
ED Conversion Factor	28.4%	27.2%	27.0%		4.5% 🔵		5.2%
ED Admits / Total Admits	56.5%	55.6%	53.0%		1.7% 🔾		6.6%

Greater than Neutral Greater than 2.5% Favorable 2.5% Unfavorable

### Clinic Visits by Specialty

#### Fiscal Year to Date January 2013



Operating Review (YTD)	Actual	Budget	Variance to Budget	% Variance to Budget
Anesthesia	2,721	2,720	1	0.0% (
Center for Disabilities & Development	5,224	5,126	98	1.9% (
Center for Digestive Disease	12,380	12,661	(281)	-2.2% 🔘
Clinical Cancer Center	30,562	32,225	(1,663)	-5.2% 🛑
Dermatology	13,173	12,277	896	7.3%
General Surgery	10,445	9,362	1,083	11.6%
Hospital Dentistry	8,992	8,939	53	0.6% 🔘
Internal Medicine	20,659	19,365	1,294	6.7%
Neurology	7,742	7,106	636	9.0%
Neurosurgery	6,157	6,070	87	1.4% (
Obstetrics/Gynecology	33,619	31,203	2,416	7.7%
Ophthalmology	39,073	36,391	2,682	7.4% 🔵
Orthopedics	39,258	41,226	(1,968)	-4.8%
Otolaryngology	16,348	12,911	3,437	26.6%
Pediatrics	29,906	27,127	2,779	10.2% 🔵
Primary Care (non-IRL)	116,823	109,907	6,916	6.3%
Psychiatry	19,368	16,958	2,410	14.2% 🔵
Urology	9,581	7,729	1,852	24.0%
UI Heart Center	10,582	9,378	1,204	12.8%
IRL	27,317	34,862	(7,545)	-21.6%
Total	459,930	443,542	16,388	3.7%

Greater than 2.5% Favorable

O Neutral

Greater than 2.5% Unfavorable

### **Clinic Visits by Location**

#### Fiscal Year to Date January 2013



FY13 Actual FY12 Actual

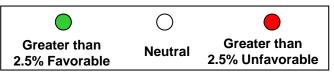
				I		- Actual				
Operating Review (YTD)	On-Site	IRL	UICMS & QuickCare	Total	On-Site	UICMS & QuickCare	Total	Variance to Prior Year	%	
Primary Care	48,048		68,775	116,823	64,736	64,322	129,058	(12,235)	-9.5%	
General Internal Medicine		8,562		8,562				8,562		
Pediatrics		6,705		6,705				6,705		
Subtotal - Primary Care	48,048	15,267	68,775	132,090	64,736	64,322	129,058	3,032	2.3%	$\bigcirc$
Anesthesia	2,721			2,721	2,295		2,295	426	18.6%	
Center for Disabilities & Development	5,224			5,224	4,937		4,937	287	5.8%	
Center for Digestive Disease	12,380			12,380	12,359		12,359	21	0.2%	$\bigcirc$
Clinical Cancer Center	30,562			30,562	29,702		29,702	860	2.9%	
Dermatology	13,173	975		14,148	14,936		14,936	(788)	-5.3%	
General Surgery	10,445			10,445	9,925		9,925	520	5.2%	
Hospital Dentistry	8,992			8,992	9,134		9,134	(142)	-1.6%	$\bigcirc$
Internal Medicine	20,659	706		21,365	20,136		20,136	1,229	6.1%	
Neurology	7,742			7,742	6,899		6,899	843	12.2%	
Neurosurgery	6,157			6,157	5,386		5,386	771	14.3%	
Obstetrics/Gynecology	33,619	4,941		38,560	37,496		37,496	1,064	2.8%	
Ophthalmology	39,073	1,672		40,745	40,803		40,803	(58)	-0.1%	$\bigcirc$
Orthopedics	39,258			39,258	39,253		39,253	5	0.0%	$\bigcirc$
Otolaryngology	16,348	1,187		17,535	17,139		17,139	396	2.3%	$\bigcirc$
Pediatrics	29,906			29,906	27,588		27,588	2,318	8.4%	
Psychiatry	19,368			19,368	17,648		17,648	1,720	9.7%	
Urology	9,581	1,401		10,982	9,595		9,595	1,387	14.5%	
UI Heart Center	10,582	1,168		11,750	11,798		11,798	(48)	-0.4%	$\bigcirc$
Subtotal – Specialty Care	315,790	12,050		327,840	317,029		317,029	10,811	3.4%	
Total	363,838	27,317	68,775	459,930	381,765	64,322	446,087	13,843	3.1%	

### **Outpatient Activity – Primary Care Detail**

Fiscal Year to Date January 2013



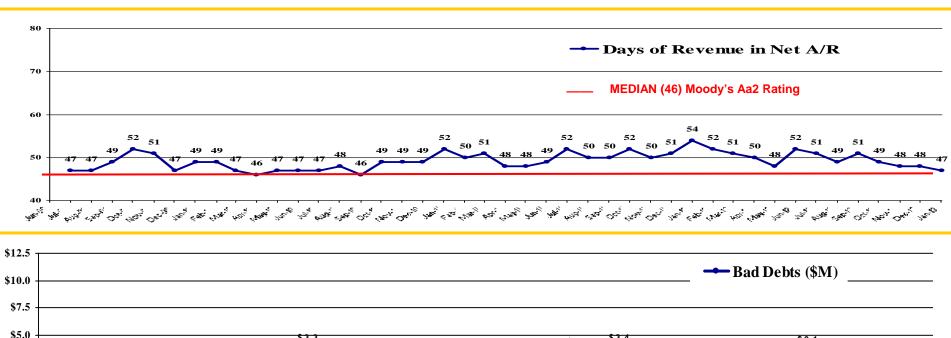
Primary Care Clinics			Prior	Variance to	% Variance to	Variance to	% Variance to
Operating Review (YTD)	Actual	Budget	Year	Budget	Budget	Prior Year	Prior Year
Family Medicine	33,742	34,570	37,386	(828)	-2.4% 🔾	(3,644)	-9.7%
General Internal Medicine	8,562	7,693	8,166	869	11.3%	396	4.8%
Pediatrics	6,705	5,848	5,907	857	14.7%	798	13.5%
Offsite Clinics	45,425	40,915	47,307	4,510	11.0%	(1,882)	-4.0%
Quick Care Clinics	23,350	20,737	17,015	2,613	12.6%	6,335	37.2%
Primary Care Clinic North	14,306	13,685	13,277	621	4.5%	1,029	7.8%
TOTAL	132,090	123,448	129,058	9,542	7.7%	3,032	2.3% 🔾

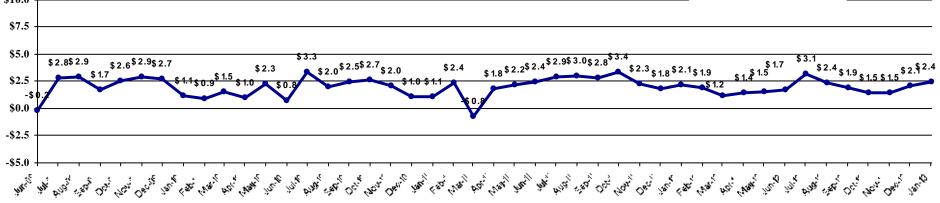


# **Comparative Accounts Receivable**



	June 30, 2011	June 30, 2012	January 31, 2013
Net Accounts Receivable	\$136,477,870	\$153,061,293	\$140,074,997
Net Days in AR	49	52	47





### **UIHC Comparative Financial Results**



**Dollars in Thousands** 



NET REVENUES:	Actual	Budget	Prior Year	Variance to Budget	% Variance to Budget	Variance to Prior Year	% Variance to Prior Year
Patient Revenue	\$91,957	\$87,449	\$86,079	\$4,508	5.2%	\$5,878	6.8%
Other Operating Revenue	4,291	4,345	4,313	(54)	-1.2%	(22)	-0.5%
Total Revenue	\$96,248	\$91,793	\$90,393	\$4,454	4.9%	\$5,855	6.5%
EXPENSES:							
Salaries and Wages	\$48,334	\$47,787	\$47,615	\$548	1.1%	\$719	1.5%
General Expenses	37,872	37,204	36,852	668	1.8%	1,020	2.8%
Operating Expense before Capital	\$86,206	\$84,991	\$84,468	\$1,215	1.4%	\$1,738	2.1%
Cash Flow Operating Margin	\$10,042	\$6,803	\$5,925	\$3,239	47.6%	\$4,117	69.5%
Capital- Depreciation and Amortization	6,200	6,127	5,709	73	1.2%	491	8.6%
Total Operating Expense	\$92,403	\$91,118	\$90,176	\$1,288	1.4%	\$2,230	2.5%
Operating Income	\$3,842	\$676	\$217	\$3,166	468.7%	\$3,625	1,674.4%
Operating Margin %	4.0%	0.7%	0.2%		3.3%		3.8%
Gain (Loss) on Investments	(484)	1,563	9,005	(2,047)	-131.0%	(9,490)	-105.4%
Other Non-Operating	2,973	(816)	(1,011)	3,789	464.2%	3,983	394.0%
Net Income	\$6,330	\$1,422	\$8,210	\$4,908	345.2%	(\$1,880)	-22.9%
Net Margin %	6.4%	1.5%	8.3%		4.9%		-1.9%

### **UIHC Comparative Financial Results**



Fiscal Year to Date January 2013

**Dollars in Thousands** 

				Variance to	% Variance to	Variance to	% Variance to
NET REVENUES:	Actual	Budget	Prior Year	Budget	Budget	Prior Year	Prior Year
Patient Revenue	\$626,723	\$634,809	\$600,311	(\$8,086)	-1.3%	\$26,413	4.4%
Other Operating Revenue	29,863	30,414	27,844	(551)	-1.8%	2,019	7.2%
Total Revenue	\$656,586	\$665,224	\$628,155	(\$8,638)	-1.3%	\$28,431	4.5%
EXPENSES:							
Salaries and Wages	\$330,804	\$337,173	\$319,868	(\$6,369)	-1.9%	\$10,936	3.4%
General Expenses	265,742	267,763	252,275	(2,021)	-0.8%	13,467	5.3%
Operating Expense before Capital	\$596,546	\$604,936	\$572,143	(\$8,390)	-1.4%	\$24,403	4.3%
Cash Flow Operating Margin	\$60,040	\$60,287	\$56,012	(\$247)	-0.4%	\$4,028	7.2%
Capital- Depreciation and Amortization	41,971	42,890	39,673	(919)	-2.1%	2,298	5.8%
Total Operating Expense	\$638,517	\$647,826	\$611,815	(\$9,309)	-1.4%	\$26,702	4.4%
Operating Income	\$18,069	\$17,398	\$16,339	\$671	3.9%	\$1,729	10.6%
Operating Margin %	2.8%	2.6%	2.6%		0.1%		0.2%
Gain on Investments	13,154	10,938	15,401	2,216	20.3%	(2,247)	-14.6%
Other Non-Operating	(1,284)	(5,715)	651	4,431	77.5%	(1,935)	-297.4%
Net Income	\$29,939	\$22,621	\$32,391	\$7,318	32.3%	(\$2,452)	-7.6%
Net Margin %	4.5%	3.4%	5.0%		1.1%		-0.5%