

PENSION PLAN FOR EMPLOYEES OF BROWARD HEALTH

GASB 67 and 68 DISCLOSURE Fiscal Year: July 1, 2018 to June 30, 2019

Prepared by

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Table of Contents

Certification	1
Overview of GASB 67 and GASB 68	3
Executive Summary	4
Schedule of Employer Contributions	5
Actuarial Methods and Assumptions Used for Funding Policy	6
Statement of Fiduciary Net Position	7
Statement of Changes in Fiduciary Net Position	8
Money-Weighted Rate of Return	9
Long-Term Expected Rate of Return	10
Depletion Date Projection	11
Projection of Contributions	12
Projection of Fiduciary Net Position	13
Actuarial Present Value of Projected Benefit Payments	14
Net Pension Liability	15
Changes in Net Pension Liability	16
Schedule of Changes in Net Pension Liability and Related Ratios	17
Pension Expense	18
Schedule of Deferred Inflows and Outflows of Resources	19
Summary Chart	20
Glossary	21
Appendix - Additional Information Required Under Florida Statutes Section 112.664	

GASB 67 and 68 Disclosure for Fiscal Year Ending June 30, 2019 Pension Plan for Employees of Broward Health

Certification

Actuarial computations presented in this report under Statements No. 67 and 68 of the Governmental Accounting Standards Board are for purposes of assisting the Broward Health in fulfilling its financial accounting requirements. No attempt is being made to offer any accounting opinion or advice. This report is for fiscal year July 1, 2018 to June 30, 2019. The reporting date for determining plan assets and obligations is June 30, 2019. The calculations enclosed in this report have been made on a basis consistent with our understanding of the plan provisions. Determinations for purposes other than meeting financial reporting requirements may be significantly different than the results contained in this report. Accordingly, additional determinations may be needed for other purposes, such as judging benefit security or meeting employer funding requirements.

In preparing this report, we relied, without audit, on information as of July 1, 2018 and June 30, 2019 furnished by the Broward Health. This information includes, but is not limited to, statutory provisions, member census data, and financial information. Please see Milliman's funding valuation report dated September 30, 2019 for more information on the plan's participant group as of July 1, 2018 as well as a summary of the plan provisions and a summary of the actuarial methods and assumptions used for funding

We performed a limited review of the census and financial information used directly in our analysis and have found them to be reasonably consistent and comparable with information used for other purposes. The valuation results depend on the integrity of this information. If any of this information is inaccurate or incomplete our results may be different and our calculations may need to be revised.

We hereby certify that, to the best of our knowledge, this report, including all costs and liabilities based on actuarial assumptions and methods, is complete and accurate and determined in conformance with generally recognized and accepted actuarial principles and practices, which are consistent with the Actuarial Standards of Practice promulgated by the Actuarial Standards Board and the applicable Guides to Professional Conduct, amplifying Opinions and supporting Recommendations of the American Academy of Actuaries.

Each of the assumptions used in this valuation with the exception of those set by law was set based on industry standard published tables and data, the particular characteristics of the plan, relevant information from the plan sponsor or other sources about future expectations, and our professional judgment regarding future plan experience. We believe the assumptions are reasonable for the contingencies they are measuring, and are not anticipated to produce significant cumulative actuarial gains or losses over the measurement period.

This valuation report is only an estimate of the Plan's financial condition as of a single date. It can neither predict the Plan's future condition nor guarantee future financial soundness. Actuarial valuations do not affect the ultimate cost of Plan benefits, only the timing of Plan contributions. While the valuation is based on an array of individually reasonable assumptions, other assumption sets may also be reasonable and valuation results based on those assumptions would be different. No one set of assumptions is uniquely correct. Determining results using alternative assumptions is outside the scope of our engagement.

Certification

Future actuarial measurements may differ significantly from the current measurements presented in this report due to factors such as, but not limited to, the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. Due to the limited scope of the actuarial assignment, we did not perform an analysis of the potential range of such future measurements.

Milliman's work is prepared solely for the internal use and benefit of the Broward Health. To the extent that Milliman's work is not subject to disclosure under applicable public records laws, Milliman's work may not be provided to third parties without Milliman's prior written consent. Milliman does not intend to benefit or create a legal duty to any third party recipient of its work product. Milliman's consent to release its work product to any third party may be conditioned on the third party signing a Release, subject to the following exceptions: (a) the Plan Sponsor may provide a copy of Milliman's work, in its entirety, to the Plan Sponsor's professional service advisors who are subject to a duty of confidentiality and who agree to not use Milliman's work for any purpose other than to benefit the Broward Health; and (b) the Plan Sponsor may provide a copy of Milliman's work, in its entirety, to other governmental entities, as required by law.

No third party recipient of Milliman's work product should rely upon Milliman's work product. Such recipients should engage qualified professionals for advice appropriate to their specific needs.

Certain information contained in the Appendix is included only for purposes of satisfying the requirements of Florida Statutes Section 112.664.

The consultants who worked on this assignment are pension actuaries. Milliman's advice is not intended to be a substitute for qualified legal or accounting counsel.

The signing actuaries are independent of the plan sponsor. We are not aware of any relationship that would impair the objectivity of our work.

On the basis of the foregoing, we hereby certify that, to the best of our knowledge and belief, this report is complete and has been prepared in accordance with generally recognized accepted actuarial principles and practices. We are members of the American Academy of Actuaries and meet the Qualification Standards to render the actuarial opinion contained herein.

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Overview of GASB 67 and GASB 68

The Governmental Accounting Standards Board (GASB) released new accounting standards for public pension plans and participating employers in 2012. These standards, GASB Statements No. 67 and 68, have substantially revised the accounting requirements previously mandated under GASB Statements No. 25 and 27. The most notable change is the distinct separation of funding from financial reporting. The Annual Required Contribution (ARC) has been eliminated under GASB 67 and 68 and is no longer relevant for financial reporting purposes. As a result, plan sponsors have been encouraged to establish a formal funding policy that is separate from financial reporting calculations.

GASB 67 applies to financial reporting for public pension plans and is required to be implemented for plan fiscal years beginning after June 15, 2013. Note that a plan's fiscal year might not be the same as the employer's fiscal year. Even if the plan does not issue standalone financial statements, but rather is considered a pension trust fund of a government, it is subject to GASB 67. Under GASB 67, enhancements to the financial statement disclosures are required, along with certain required supplementary information.

GASB 68 governs the specifics of accounting for public pension plan obligations for participating employers and is required to be implemented for employer fiscal years beginning after June 15, 2014. GASB 68 requires a liability for pension obligations, known as the Net Pension Liability, to be recognized on the balance sheets of participating employers. Changes in the Net Pension Liability will be immediately recognized as Pension Expense on the income statement or reported as deferred inflows/outflows of resources depending on the nature of the change.

Executive Summary

Relationship Between Valuation Date, Measurement Date, and Reporting Date

The Valuation Date is July 1, 2018. This is the date as of which the actuarial valuation is performed. The Measurement Date is June 30, 2019. This is the date as of which the net pension liability is determined. The Reporting Date is June 30, 2019. This is the plan's and/or employer's fiscal year ending date.

Significant Changes

There have been no significant changes between the valuation date and fiscal year end.

Participant Data as of July 1, 2018

Actives	6,353
Terminated vested & other inactives	1,751
Retirees and beneficiaries	<u>1,396</u>
Total	9,500

Schedule of Employer Contributions

Fiscal Year	Actuarially	Actual	Contribution		Contribution
Ending	Determined	Employer	Deficiency	Covered	as a % of
June 30	Contribution	Contribution	(Excess)	Payroll	Covered Payroll
2010	\$11,932,420	\$19,604,628	(\$7,672,208)	\$307,857,632	6.37%
2011	14,041,701	19,658,389	(5,616,688)	315,874,420	6.22%
2012	17,120,275	19,587,029	(2,466,754)	335,100,745	5.85%
2013	17,205,074	20,203,551	(2,998,477)	345,555,234	5.85%
2014	15,688,003	18,169,267	(2,481,264)	336,524,374	5.40%
2015	14,957,046	18,125,816	(3,168,770)	351,806,087	5.15%
2016	11,833,762	15,655,782	(3,822,020)	353,295,572	4.43%
2017	11,052,109	17,491,161	(6,439,052)	376,440,867	4.65%
2018	9,027,974	16,010,262	(6,982,288)	375,867,293	4.26%
2019	9,746,796	16,000,000	(6,253,204)	377,071,151	4.24%

Actuarial Methods and Assumptions Used for Funding Policy

The following actuarial methods and assumptions were used in the July 1, 2018 funding valuation. Please see the valuation report dated September 30, 2019 for further details.

Valuation Timing Actuarially determined contribution rates are calculated as of

July 1, one year prior to the end of the fiscal year in which the

contributions are reported.

Actuarial Cost Method Entry Age Normal

Amortization Method

Level percent or level dollar

Closed, open, or layered periods

Level dollar

Layered

Weighted Remaining Years of

Existing Amortizations 15 Years*

Asset Valuation Method

Smoothing period 3 years

Corridor 90% to 110% of Market

Inflation 2.50%

Salary Increases 4.50%

Investment Rate of Return 6.25% (gross of expenses)

Cost of Living Adjustments None

Retirement Age See funding report for table of rates

Turnover See funding report for table of sample rates

Mortality RP-2000 Combined Healthy Mortality with generational

projection per Scale BB

Expenses A load of \$1.9M is added to the Normal Cost for

administrative and investment expenses

Statement of Fiduciary Net Position

	June 30, 2018	June 30, 2019
Assets		
Cash and cash equivalents	\$4,359,705	\$6,700,316
Receivables and prepaid expenses:		
Receivable contributions	0	0
Receivable investment income	817,993	0
Receivables from brokers for unsettled trades	0	0
Prepaid expenses	0	0
Total receivables	817,993	0
Investments:		
Fixed income	55,098,184	77,607,859
Stocks	217,438,178	179,435,940
Short-term investments	0	0
Real estate	34,143,049	39,701,948
Alternative investments	54,480,226	71,802,539
Total investments	361,159,638	368,548,287
Invested securities lending cash collateral	0	0
Capital assets net of accumulated depreciation	0	0
Total assets	366,337,336	375,248,602
Liabilities		
Accrued expenses and benefits payable	818,061	548,840
Securities lending cash collateral	0	0
Payable to brokers for unsettled trades	0	0
Total liabilities	818,061	548,840
Net position restricted for pensions	\$365,519,275	\$374,699,763

Statement of Changes in Fiduciary Net Position

	June 30, 2019
Additions	
Member contributions	\$0
Employer contributions	16,000,000
Total contributions	16,000,000
Investment income (loss):	
Interest	6,143,845
Dividends	0
Equity fund income, net	31,034,829
Net increase in fair value of investments	(11,576,086)
Securities lending income	0
Less investment expenses:	
Direct investment expense	0
Securities lending management fees	0
Securities lending borrower rebates	0
Net investment income	25,602,588
Other income	0
Total additions	41,602,588
Deductions	
Service benefits	30,555,065
Disability benefits	N/A
Death benefits	N/A
Refunds of member contributions	N/A
Administrative expenses	1,867,035
Total deductions	32,422,100
Net increase (decrease)	9,180,488
Net position restricted for pensions	
Beginning of year (June 30, 2018)	365,519,275
End of year (June 30, 2019)	\$374,699,763
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Money-Weighted Rate of Return

Fiscal Year	Net
Ending	Money-Weighted
June 30	Rate of Return
2010	N/A
2011	N/A
2012	N/A
2013	N/A
2014	N/A
2015	4.87%
2016	-0.38%
2017	13.96%
2018	11.71%
2019	7.09%

Calculation of Money-Weighted Rate of Return

The money-weighted rate of return considers the changing amounts actually invested during a period and weights the amount of pension plan investments by the proportion of time they are available to earn a return during that period. External cash flows are determined on a monthly basis and are assumed to occur at the beginning of each month. External cash inflows are netted with external cash outflows, resulting in a net external cash flow in each month. The money-weighted rate of return is calculated net of investment expenses.

	Net External Cash Flows	Periods Invested	Period Weight	Net External Cash Flows With Interest
Beginning Value - July 1, 2018	\$365,519,275	12.00	1.00	\$391,440,686
Monthly net external cash flows:				
July	804,884	12.00	1.00	861,964
August	(2,512,504)	11.00	0.92	(2,675,975)
September	(4,361,323)	10.00	0.83	(4,616,528)
October	(2,484,199)	9.00	0.75	(2,615,189)
November	(1,917,560)	8.00	0.67	(2,007,637)
December	2,159,039	7.00	0.58	2,246,564
January	(2,048,756)	6.00	0.50	(2,120,157)
February	2,806,119	5.00	0.42	2,888,042
March	(3,929,636)	4.00	0.33	(4,019,497)
April	(2,482,065)	3.00	0.25	(2,524,946)
May	(1,410,959)	2.00	0.17	(1,427,489)
June	(726,085)	1.00	0.08	(730,075)
Ending Value - June 30, 2019	374,699,763			374,699,763
Money-Weighted Rate of Return	7.09%			

GASB 67 and 68 Disclosure for Fiscal Year Ending June 30, 2019 Pension Plan for Employees of Broward Health

Page 9

Long-Term Expected Rate of Return

The assumption for the long-term expected rate of return is determined by adding expected inflation to expected long-term real returns and reflecting expected volatility and correlation. The capital market assumptions are per Milliman's investment consulting practice as of June 30, 2019.

Asset Class	Index	Target Allocation	Long-Term Expected Arithmetic Real Rate of Return	Long-Term Expected Geometric Real Rate of Return
US Core Fixed Income	Barclays Aggregate	15.00%	1.45%	1.36%
US High Yield Bonds	BAML High Yield	3.50%	3.72%	3.27%
US Equity Market	Russell 3000	40.00%	4.70%	3.52%
Foreign Developed Equity	MSCI EAFE NR	15.00%	6.04%	4.55%
Emerging Markets Equity	MSCI EM NR	4.00%	8.19%	5.43%
Private Real Estate Property	NCREIF Property	10.00%	3.93%	3.23%
Private Equity	Cambridge Private Equity	7.50%	9.42%	5.68%
Hedge Funds - MultiStrategy	HFRI:Fund Wtd Composite	5.00%	3.39%	3.03%

Portfolio Nominal Mean Return	6.94%	4.00% 6.29%
Portfolio Nominal Mean Return	6.94%	0.2076
Portfolio Standard Deviation		12.18%
Long-Term Expected Rate of Return		6.25%

Depletion Date Projection

In order to determine if the plan's fiduciary net position is projected to be sufficient to make projected benefit payments, we have prepared a depletion date projection using the following techniques and assumptions:

- The employer contributes the actuarially determined contribution amounts.
- Benefit payments are projected based on the actuarial assumptions and the current plan provisions.
- Members are assumed to receive pay increases, terminate, retire, become disabled, die, and so forth according to the actuarial assumptions used for the 07/01/2018 valuation.
- Terminating and retiring members will not be replaced with new employees.
- Administrative and investment expenses are assumed to equal 0.62% of plan assets per year.
- All cash flows are assumed to occur on average halfway through the year.
- The long-term expected rate of return on pension plan investments is 6.25%.
- The tax-exempt, high-quality general obligation municipal bond index rate is N/A.
- The funding policy used to determine actuarially determined contributions does not change. See page 6 of this report for details.
- The actuarial assumptions do not change.
- The plan provisions do not change except if any material future changes have been agreed upon as
 of the measurement date.

Actual results at each point in time will yield different values, reflecting the actual experience of the plan membership and assets.

Projection of Contributions

	Projected Payroll	Projected Payroll	Total	Contributions from	Employer Contributions	Contributions from	
	Current	Future	Employee	Current	for Current	Future	Total
Year	Employees	Employees	Payroll	Employees	Employees	Employees*	Contributions
1	\$390,116,461	\$0	\$390,116,461	\$0	\$13,308,835	\$0	\$13,308,835
2	355,585,182	0	355,585,182	0	13,778,279	0	13,778,279
3	326,980,228	0	326,980,228	0	11,471,970	0	11,471,970
4	301,691,975	0	301,691,975	0	10,880,966	0	10,880,966
5	279,869,415	0	279,869,415	0	10,075,315	0	10,075,315
6	259,786,096	0	259,786,096	0	9,039,070	0	9,039,070
7	241,259,296	0	241,259,296	0	8,499,181	0	8,499,181
8	225,043,328	0	225,043,328	0	8,326,105	0	8,326,105
9	210,146,924	0	210,146,924	0	7,678,708	0	7,678,708
10	196,739,821	0	196,739,821	0	7,144,063	0	7,144,063

Note: Years subsequent to year 10 have been omitted from this table.

^{*} Contributions from future employees that are above service cost and, therefore, can be allocated to payment of benefits of current employees under GASB rules.

Projection of Fiduciary Net Position

	Projected Beginning Fiduciary	Projected Total	Projected Benefit	Projected Adminstrative	Projected Investment	Projected Ending Fiduciary
Year	Net Position	Contributions	Payments	Expenses	Earnings	Net Position
1	\$374,699,763	\$13,308,835	\$45,357,907	\$2,111,998	\$22,351,202	\$362,889,895
2	362,889,895	13,778,279	43,886,817	2,045,432	21,675,807	352,411,731
3	352,411,731	11,471,970	43,416,972	1,986,372	20,965,378	339,445,736
4	339,445,736	10,880,966	38,118,368	1,913,289	20,304,399	330,599,443
5	330,599,443	10,075,315	36,968,663	1,863,427	19,763,816	321,606,485
6	321,606,485	9,039,070	35,720,474	1,812,738	19,209,963	312,322,306
7	312,322,306	8,499,181	35,191,242	1,760,407	18,631,004	302,500,842
8	302,500,842	8,326,105	33,834,270	1,705,049	18,055,890	293,343,518
9	293,343,518	7,678,708	32,468,652	1,653,433	17,507,614	284,407,754
10	284,407,754	7,144,063	31,251,898	1,603,067	16,972,019	275,668,871

Note: Years subsequent to year 10 have been omitted from this table.

Actuarial Present Value of Projected Benefit Payments

Year	Projected Beginning Fiduciary Net Position	Projected Benefit Payments	"Funded" Portion of Benefit Payments	"Unfunded" Portion of Benefit Payments	Present Value of "Funded" Benefit Payments*	Present Value of "Unfunded" Benefit Payments**	Present Value of Total Benefit Payments***
1	\$374,699,763	\$45,357,907	\$45,357,907	\$0	\$44,003,633	\$0	\$44,003,633
2	362,889,895	43,886,817	43,886,817	0	40,071,969	0	40,071,969
3	352,411,731	43,416,972	43,416,972	0	37,311,025	0	37,311,025
4	339,445,736	38,118,368	38,118,368	0	30,830,674	0	30,830,674
5	330,599,443	36,968,663	36,968,663	0	28,141,907	0	28,141,907
6	321,606,485	35,720,474	35,720,474	0	25,592,225	0	25,592,225
7	312,322,306	35,191,242	35,191,242	0	23,729,932	0	23,729,932
8	302,500,842	33,834,270	33,834,270	0	21,472,854	0	21,472,854
9	293,343,518	32,468,652	32,468,652	0	19,394,040	0	19,394,040
10	284,407,754	31,251,898	31,251,898	0	17,569,180	0	17,569,180
Total					447,223,078 +	0 =	447,223,078

Note: Years 11-99 have been omitted from this table.

^{*} Discounted at the long-term expected rate of return, 6.25%

^{**} Discounted at the municipal bond rate, N/A

^{***} Discounted at the single interest rate that produces a total actuarial present value equal to the sum of the actuarial present values of "funded" and "unfunded" benefit payments, 6.25%

Net Pension Liability

Net Pension Liability	June 30, 2018	June 30, 2019
Total pension liability	\$361,981,035	\$361,762,472
Fiduciary net position	365,519,275	374,699,763
Net pension liability	(3,538,240)	(12,937,291)
Fiduciary net position as a % of total pension liability	100.98%	103.58%
Covered payroll	375,867,293	377,071,151
Net pension liability as a % of covered payroll	-0.94%	-3.43%

The total pension liability was determined by an actuarial valuation as of the valuation date, calculated based on the discount rate and actuarial assumptions below, and was then projected forward to the measurement date. Any significant changes during this period have been reflected as prescribed by GASB 67 and 68.

Discount Rate

Discount rate	6.25%	6.25%
Long-term expected rate of return, net of investment expense	6.25%	6.25%
Municipal bond rate	N/A	N/A

The plan's fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the discount rate for calculating the total pension liability is equal to the long-term expected rate of return.

Other Key Actuarial Assumptions

The plan has not had a formal actuarial experience study performed.

July 1, 2017	July 1, 2018
June 30, 2018	June 30, 2019
Entry Age Normal	Entry Age Normal
2.50%	2.20%
4.50%	4.50%
RP-2000 Combined Healthy Mortality with generational projection per Scale	RP-2000 Combined Healthy Mortality with generational projection per Scale BB
	June 30, 2018 Entry Age Normal 2.50% 4.50% RP-2000 Combined Healthy Mortality with generational

Please see Milliman's funding valuation report dated September 30, 2019 for more detail.

Changes in Net Pension Liability

	Increase (Decrease)						
	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability				
Changes in Net Pension Liability	(a)	(b)	(a) - (b)				
Balances as of June 30, 2018	\$361,981,035	\$365,519,275	(\$3,538,240)				
Changes for the year:							
Service cost	14,202,355		14,202,355				
Interest on total pension liability	22,571,087		22,571,087				
Effect of plan changes	0		0				
Effect of economic/demographic gains or losses	(1,684,132)		(1,684,132)				
Effect of assumptions changes or inputs	(4,752,808)		(4,752,808)				
Benefit payments	(30,555,065)	(30,555,065)	0				
Employer contributions		16,000,000	(16,000,000)				
Member contributions		0	0				
Net investment income		25,602,588	(25,602,588)				
Administrative expenses		(1,867,035)	1,867,035				
Balances as of June 30, 2019	361,762,472	374,699,763	(12,937,291)				

Sensitivity Analysis

The following presents the net pension liability of the Broward Health, calculated using the discount rate of 6.25%, as well as what the Broward Health's net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower (5.25%) or 1 percentage point higher (7.25%) than the current rate

	1% Decrease 5.25%	Current Discount Rate 6.25%	1% Increase 7.25%
Total pension liability	\$387,949,559	\$361,762,472	\$338,234,500
Fiduciary net position	374,699,763	374,699,763	374,699,763
Net pension liability	13,249,796	(12,937,291)	(36,465,263)

Schedule of Changes in Net Pension Liability and Related Ratios

				Fiscal Yea	ar Ending Jun	e 30				
	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Total Pension Liability										
Service cost	\$14,202,355	\$11,692,192	\$11,113,550	\$10,603,418	\$9,775,382	N/A	N/A	N/A	N/A	N/A
Interest on total pension liability	22,571,087	25,250,091	25,256,158	24,567,723	25,874,700	N/A	N/A	N/A	N/A	N/A
Effect of plan changes	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A
Effect of economic/demographic gains or losses	(1,684,132)	(3,996,011)	(2,843,341)	(2,600,357)	(0)	N/A	N/A	N/A	N/A	N/A
Effect of assumption changes or inputs	(4,752,808)	20,211,377	(4,654,082)	964,760	(5,629,477)	N/A	N/A	N/A	N/A	N/A
Benefit payments	(30,555,065)	(31,730,977)	(27,410,762)	(25,625,786)	(24,520,062)	N/A	N/A	N/A	N/A	N/A
Net change in total pension liability	(218,563)	21,426,672	1,461,523	7,909,758	5,500,543	N/A	N/A	N/A	N/A	N/A
Total pension liability, beginning	361,981,035	340,554,363	339,092,840	331,183,082	325,682,539	N/A	N/A	N/A	N/A	N/A
Total pension liability, ending (a)	361,762,472	361,981,035	340,554,363	339,092,840	331,183,082	N/A	N/A	N/A	N/A	N/A
Fiduciary Net Position										
Employer contributions	\$16,000,000	\$16,010,262	\$17,000,000	\$15,200,000	\$17,600,000	N/A	N/A	N/A	N/A	N/A
Member contributions	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A
Net investment income	25,602,588	39,513,334	42,242,387	(1,210,144)	15,582,970	N/A	N/A	N/A	N/A	N/A
Benefit payments	(30,555,065)	(31,730,977)	(27,410,762)	(25,625,786)	(24,520,062)	N/A	N/A	N/A	N/A	N/A
Administrative expenses	(1,867,035)	(2,131,376)	(2,272,571)	(2,125,678)	(2,533,306)	N/A	N/A	N/A	N/A	N/A
Net change in plan fiduciary net position	9,180,488	21,661,242	29,559,054	(13,761,608)	6,129,602	N/A	N/A	N/A	N/A	N/A
Fiduciary net position, beginning	365,519,275	343,858,032	314,298,979	328,060,587	321,930,985	N/A	N/A	N/A	N/A	N/A
Fiduciary net position, ending (b)	374,699,763	365,519,275	343,858,032	314,298,979	328,060,587	N/A	N/A	N/A	N/A	N/A
Net pension liability, ending = (a) - (b)	(\$12,937,291)	(\$3,538,240)	(\$3,303,669)	\$24,793,861	\$3,122,495	N/A	N/A	N/A	N/A	N/A
Fiduciary net position as a % of total pension liability	103.58%	100.98%	100.97%	92.69%	99.06%	N/A	N/A	N/A	N/A	N/A
Covered payroll	\$377,071,151	\$375,867,293	\$376,440,867	\$353,295,572	\$351,806,087	N/A	N/A	N/A	N/A	N/A
Net pension liability as a % of covered payroll	-3.43%	-0.94%	-0.88%	7.02%	0.89%	N/A	N/A	N/A	N/A	N/A

This schedule is presented to illustrate the requirement to show information for 10 years. However, recalculations of prior years are not required, and if prior years are not reported in accordance with the current GASB standards, they should not be reported.

GASB 67 and 68 Disclosure for Fiscal Year Ending June 30, 2019

Page 17

Pension Expense

_	July 1, 2017 to	July 1, 2018 to
Pension Expense	June 30, 2018	June 30, 2019
Service cost	\$11,692,192	\$14,202,355
Interest on total pension liability	25,250,091	22,571,087
Effect of plan changes	0	0
Administrative expenses	2,131,376	1,867,035
Member contributions	0	0
Expected investment return net of investment expenses	(25,132,002)	(22,339,541)
Recognition of Deferred Inflows/Outflows of Resources		
Recognition of economic/demographic gains or losses	(2,370,457)	(2,746,975)
Recognition of assumption changes or inputs	2,684,515	2,708,149
Recognition of investment gains or losses	326,969	(325,641)
Pension Expense	14,582,684	15,936,469

As of June 30, 2019, the deferred inflows and outflows of resources are as follows:

Deferred Inflows / Outflows of Resources	Deferred Inflows of Resources	Deferred Outflows of Resources
Differences between expected and actual experience	(\$3,943,831)	\$0
Changes of assumptions	(4,576,089)	10,352,169
Net difference between projected and actual earnings	(13,823,528)	0
Contributions made subsequent to measurement date	0	0
Total	(22,343,448)	10,352,169

Amounts currently reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year ended June 30:	
2020	(\$1,754,908)
2021	(5,095,238)
2022	(4,488,523)
2023	(652,611)
2024	0
Thereafter*	0

^{*} Note that additional future deferred inflows and outflows of resources may impact these numbers.

Schedule of Deferred Inflows and Outflows of Resources

	Original Amount	Date Established	Original Rec.	Amount Recognized in Pension Expense for FYE 06/30/2019	Amount Recognized in Pension Expense through 06/30/2019	Balance of Deferred Inflows as of 06/30/2019	Balance of Deferred Outflows as of 06/30/2019
Economic/	(\$1,684,132)		3.8	(\$443,193)	(\$443,193)	\ · · · · /	\$0
demographic	(3,996,011)	6/30/2018	4.1	(974,637)	(1,949,274)	(2,046,737)	0
gains or losses	,	6/30/2017	3.9	(729,062)	(2,187,186)	(656,155)	0
	(2,600,357)		3.9	(600,083)	(2,600,357)	0	0
	(0)		3.9	0	(0)	0	0
		Total		(2,746,975)	(7,180,010)	(3,943,831)	0
Assumption	(4,752,808)	6/30/2019	3.8	(1,250,739)	(1,250,739)	(3,502,069)	0
changes or	20,211,377	6/30/2018	4.1	4,929,604	9,859,208	0	10,352,169
inputs	(4,654,082)	6/30/2017	3.9	(1,193,354)	(3,580,062)	(1,074,020)	0
	964,760	6/30/2016	3.9	222,638	964,760	0	0
	(5,629,477)	6/30/2015	3.9	0	(5,629,477)	0	0
		Total		2,708,149	363,690	(4,576,089)	10,352,169
Investment	(3,263,047)	6/30/2019	5.0	(652,609)	(652,609)	(2,610,438)	0
gains or losses	(14,381,332)	6/30/2018	5.0	(2,876,266)	(5,752,532)	(8,628,800)	0
	(19, 136, 990)	6/30/2017	5.0	(3,827,398)	(11,482,194)	(7,654,796)	0
	25,352,517	6/30/2016	5.0	5,070,503	20,282,012	0	5,070,505
	9,800,649	6/30/2015	5.0	1,960,129	9,800,649	0	0
		Total		(325,641)	12,195,326	(18,894,034)	5,070,505
Total for economic/demographic gains or losses							
and assumption	_		1 100000			(8,519,920)	10,352,169
Net deferred (in	flows)/outflo	ws for inves	tment gai	ins or losses		(13,823,528)	0
Total deferred (inflows)/outf	lows				(22,343,448)	10,352,169
Total net deferr	als					(11,991,279)	

^{*} Investment (gains)/losses are recognized in pension expense over a period of five years; economic/demographic (gains)/losses and assumption changes or inputs are recognized over the average remaining service life for all active and inactive members.

	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	Deferred (Inflows)	Deferred Outflows	Net Investment (Inflows)/ Outflows	Net Deferrals	Net Pension Liability plus Net Deferrals	Annual Expense
		HOUT COMICH		(20.00.00	1.00 2 0.00 1.00	
Balances as of June 30, 2018	(\$361,981,035)	\$365,519,275	\$3,538,240	(\$7,274,048)	\$15,504,411	(\$10,886,122)	(\$2,655,759)	\$882,481	
Service cost	(14,202,355)		(14,202,355)						14,202,355
Interest on total pension liability	(22,571,087)		(22,571,087)						22,571,087
Effect of plan changes	0		0					1 1	0
Effect of liability gains or losses	1,684,132		1,684,132	(1,684,132)			(1,684,132)		
Effect of assumption changes or inputs	4,752,808		4,752,808	(4,752,808)			(4,752,808)	1 1	
Benefit payments	30,555,065	(30,555,065)	0					1 1	
Administrative expenses		(1,867,035)	(1,867,035)					1 1	1,867,035
Member contributions		0	0						0
Expected net investment income		22,339,541	22,339,541					1 1	(22,339,541)
Investment gains or losses		3,263,047	3,263,047			(3,263,047)	(3,263,047)		
Employer contributions		16,000,000	16,000,000					16,000,000	1 1
Recognition of liability gains or losses				2,746,975			2,746,975		(2,746,975)
Recognition of assumption changes or inputs				2,444,093	(5,152,242)		(2,708,149)		2,708,149
Recognition of investment gains or losses					, ,	325,641	325,641	1 1	(325,641)
Annual expense								(15,936,469)	 15,936,469
Allitual Oxpeliae								(10,930,409)	10,900,409
Balances as of June 30, 2019	(361,762,472)	374,699,763	12,937,291	(8,519,920)	10,352,169	(13,823,528)	(11,991,279)	946,012	

Glossary

Actuarially Determined Contribution

A target or recommended contribution to a defined benefit pension plan for the reporting period, determined based on the funding policy and most recent measurement available when the contribution for the reporting period was adopted.

Deferred Inflows/Outflows of Resources

Portion of changes in net pension liability that is not immediately recognized in Pension Expense. These changes include differences between expected and actual experience, changes in assumptions, and differences between expected and actual earnings on plan investments.

Discount Rate

Single rate of return that, when applied to all projected benefit payments, results in an actuarial present value of projected benefit payments equal to the sum of:

- The actuarial present value of benefit payments projected to be made in future periods where the plan assets are projected to be sufficient to meet benefit payments, calculated using the Long-Term Expected Rate of Return.
- 2) The actuarial present value of projected benefit payments not included in (1), calculated using the Municipal Bond Rate.

Fiduciary Net Position

Equal to market value of assets.

Long-Term Expected Rate of Return

Long-term expected rate of return on pension plan investments expected to be used to finance the payment of benefits, net of investment expenses.

Money-Weighted Rate of Return

The internal rate of return on pension plan investments, net of investment expenses.

Municipal Bond Rate

Yield or index rate for 20-year, tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher.

Net Pension Liability

Total Pension Liability minus the Plan's Fiduciary Net Position (unfunded accrued liability).

Projected Benefit Payments

All benefits estimated to be payable through the pension plan to current active and inactive employees as a result of their past service and expected future service.

Service Cost

The portion of the actuarial present value of projected benefit payments that is attributed to a valuation year.

Total Pension Liability

The portion of actuarial present value of projected benefit payments that is attributable to past periods of member service using the Entry Age Normal cost method based on the requirements of GASB 67 and 68.

GASB 67 and 68 Disclosure for Fiscal Year Ending June 30, 2019 Pension Plan for Employees of Broward Health

Milliman Financial Reporting Valuation - Information Required under Florida Statutes Section 112.664(1)(b)

	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	Deferred (Inflows)	Deferred Outflows	Net Investment (Inflows)/ Outflows	Net Deferrals	Net Pension Liability plus Net Deferrals	Annual Expense
Balances as of June 30, 2018	(\$413,408,606)	\$365,519,275	(\$47,889,331)	(\$5,987,463)	\$23,958,579	(\$23,792,586)	(\$5,821,470)	(\$53,710,801)	
Service cost Interest on total pension liability Effect of plan changes	(17,650,038) (17,677,454)		(17,650,038) (17,677,454) 0						17,650,038 17,677,454 0
Effect of liability gains or losses Effect of assumption changes or inputs	851,980 5,448,211		851,980 5,448,211	(851,980) (5,448,211)			(851,980) (5,448,211)		
Benefit payments Administrative expenses Member contributions	30,555,065	(30,555,065) (1,867,035)	0 (1,867,035) 0						1,867,035
Expected net investment income Investment gains or losses		15,189,231 10,413,357	15,189,231 10,413,357			(10,413,357)	(10,413,357)		(15,189,231)
Employer contributions		16,000,000	16,000,000	4.050.005	(000 447)		4.455.750	16,000,000	(4.455.750)
Recognition of liability gains or losses Recognition of assumption changes or inputs Recognition of investment gains or losses				1,359,205 3,053,088	(203,447) (7,662,946)	6,886,516	1,155,758 (4,609,858) 6,886,516		(1,155,758) 4,609,858 (6,886,516)
Annual expense								(18,572,880)	18,572,880
Balances as of June 30, 2019	(411,880,842)	374,699,763	(37,181,079)	(7,875,361)	16,092,186	(27,319,427)	(19,102,602)	(56,283,681)	

These amounts are based on the same data, assumptions, methods, and plan provisions as the amounts found on Exhibit 20, except for the discount rate and expected return on assets, both of which are assumed 4.25%.

GASB 67 and 68 Disclosure for Fiscal Year Ending June 30, 2019 Pension Plan for Employees of Broward Health Appendix - I

This work product was prepared solely for the Broward Health for the purposes described herein and may not be appropriate to use for other purposes. Milliman does not intend to benefit and assumes no duty or liability to other parties who receive this work. Milliman recommends that third parties be aided by their own actuary or other qualified professional when reviewing the Milliman work product.

Projection of Fiduciary Net Position for purposes of Florida Statutes Section 112.664(1)(c)

		Projected Beginning Fiduciary	Projected Total	Projected Benefit	Projected Adminstrative	Projected Investment	Projected Ending Fiduciary
Year	Month	Net Position		Payments	Expenses	Earnings	Net Position
					•		
1		\$374,699,763	\$0	\$45,357,907	\$2,111,998	\$21,935,301	\$349,165,159
2		349,165,159	0	43,886,817	1,968,072	20,389,857	323,700,127
3		323,700,127	0	43,416,972	1,824,539	18,817,461	297,276,077
4		297,276,077	0	38,118,368	1,675,599	17,336,193	274,818,303
5		274,818,303	0	36,968,663	1,549,016	15,972,466	252,273,089
6		252,273,089	0	35,720,474	1,421,939	14,606,368	229,737,045
7		229,737,045	0	35,191,242	1,294,915	13,218,373	206,469,261
8		206,469,261	0	33,834,270	1,163,766	11,810,640	183,281,865
9		183,281,865	0	32,468,652	1,033,070	10,408,188	160,188,330
10		160,188,330	0	31,251,898	902,903	9,006,933	137,040,462
11		137,040,462	0	30,691,191	772,430	7,581,791	113,158,633
12		113,158,633	0	29,933,012	637,820	6,117,076	88,704,876
13		88,704,876	0	28,882,324	499,986	4,625,858	63,948,424
14		63,948,424	0	28,234,884	360,446	3,103,172	38,456,266
15		38,456,266	0	27,007,562	216,759	1,552,757	12,784,702
16	0	12,784,702	0	2,179,467	6,005	60,896	10,660,126
16	1	10,660,126	0	2,179,467	6,005	49,830	8,524,484
16	2	8,524,484	0	2,179,467	6,005	38,707	6,377,719
16	3	6,377,719	0	2,179,467	6,005	27,526	4,219,773
16	4	4,219,773	0	2,179,467	6,005	16,287	2,050,588
16	5	2,050,588	0	2,179,467	6,005	4,989	(129,895)

Projection of Fiduciary Net Position for purposes of Florida Statutes Section 112.664(1)(c)

		Projected Beginning	Projected	Projected	Projected	Projected	Projected Ending
		Fiduciary	Total	Benefit	Adminstrative	Investment	Fiduciary
Year	Month	Net Position	Contributions	Payments	Expenses	Earnings	Net Position
		4074 000 700	**	* 45 055 005	** **********************************	* 44.040.004	***
1		\$374,699,763	\$0	\$45,357,907	\$2,111,998	\$14,916,004	\$342,145,862
2		342,145,862	0	43,886,817	1,928,508	13,567,623	309,898,160
3		309,898,160	0	43,416,972	1,746,744	12,210,943	276,945,387
4		276,945,387	0	38,118,368	1,561,005	10,926,992	248,193,006
5		248,193,006	0	36,968,663	1,398,942	9,732,891	219,558,291
6		219,558,291	0	35,720,474	1,237,542	8,545,870	191,146,146
7		191,146,146	0	35,191,242	1,077,397	7,353,003	162,230,510
8		162,230,510	0	33,834,270	914,414	6,156,387	133,638,213
9		133,638,213	0	32,468,652	753,253	4,973,659	105,389,966
10		105,389,966	0	31,251,898	594,031	3,802,348	77,346,385
11		77,346,385	0	30,691,191	435,964	2,625,769	48,845,000
12		48,845,000	0	29,933,012	275,315	1,433,986	20,070,658
13	0	20,070,658	0	2,406,860	9,427	66,805	17,721,176
13	1	17,721,176	0	2,406,860	9,427	58,484	15,363,373
13	2	15,363,373	0	2,406,860	9,427	50,133	12,997,219
13	3	12,997,219	0	2,406,860	9,427	41,753	10,622,685
13	4	10,622,685	0	2,406,860	9,427	33,343	8,239,741
13	5	8,239,741	0	2,406,860	9,427	24,904	5,848,358
13	6	5,848,358	0	2,406,860	9,427	16,434	3,448,505
13	7	3,448,505	0	2,406,860	9,427	7,935	1,040,153
13	8	1,040,153	0	2,406,860	9,427	0	(1,376,134)