

Retirement Plan for Employees of South Broward Hospital District

Actuarial Valuation Report Employer Contributions for Plan Year Beginning May 1, 2023

March 2024

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Purpose and actuarial statement

As requested by South Broward Hospital District (the "District"), this report documents the results of an actuarial valuation of the Retirement Plan for Employees of South Broward Hospital District.

The primary purposes of the valuation are to:

- Determine the contribution for the plan year beginning May 1, 2023 and the tax year ending April 30, 2024
- Meet the requirements of Part VII, Chapter 112 of the Florida Statutes
- Describe plan experience during the prior year and document the actuarial assumptions and methods used in the calculations

The report also documents the funded status of the plan under the assumptions used to determine the contribution and documents the provisions on which the valuation is based.

Limitations

This valuation has been conducted for the purposes described above and may not be suitable for any other purpose. This report does not determine liabilities on a plan termination basis, for which a separate extensive analysis would be required. No funded status measure included in this report is intended to assess, and none may be appropriate for assessing, the sufficiency of plan assets to cover the estimated cost of settling benefit obligations, as all such measures differ in some way from plan termination obligations. In addition, funded status measures shown in this report do not reflect the current costs of settling obligations by offering immediate lump sum payments to participants and/or purchasing annuity contracts for the remaining participants (e.g., insurer profit, insurer pricing of contingent benefits and/or provision for anti-selection in the choice of a lump sum vs. an annuity).

The comparison of the plan's actuarial accrued liability to its actuarial value of assets (the unfunded actuarial accrued liability shown in Section 1) is used in determining required contributions for the coming year, and a contribution made on the valuation date equal to the shortfall would be considered to "fully fund" the plan for benefits accrued as of the valuation date under the funding rules, and thus is useful for assessing the need for and amount of future contributions. However, the unfunded actuarial accrued liability cannot be relied upon to determine either the need for or the amount of future contributions. The unfunded actuarial accrued liability is based on the interest rate elected to be used for funding purposes, which may not reflect current market conditions and will in any event change over time. It is also based on the actuarial value of assets, so it would be different than if based on market value of assets. In addition, asset gains and losses, demographic experience different from assumed, and future benefit accruals (if any) will all affect the need for and amount of future contributions.

The report provides a low-default-risk obligation measure as required by Actuarial Standard of Practice No. 4 to be disclosed once a year. Such measure is provided in Section 2.1 of this report. The assumptions and methods other than the discount rates used for this measurement, and the rationale for their selection, are described in Appendix A of this report. The methodology used to value plan provisions that are difficult to value is also described in Appendix A of this report.



Note that the low-default-risk obligation measure is not a plan termination liability, for the reasons discussed above and because it assumes an ongoing plan rather than a terminating plan. Rather, the low-default-risk obligation measure represents costs allocated by the plan's funding method to periods before the valuation date as of May 1, 2023. The measure reflects a 20-year municipal bond rate of 3.53% as of May 1, 2023. The rate was selected because it was readily available (since used for other purposes) and are permitted by ASOP No. 4 to be used to develop the low-default-risk obligation measure. The low-default-risk obligation may more closely represent the market value of the benefit obligation on the measurement date than the plan's entry-age normal liability shown in Section 2.1 of this report. If this measure is higher than the plan's liability, and interest rates remain at current levels, the plan may be less well funded than suggested by the liability and, as a result, contributions may need to increase in future years to secure participant benefits.

Reliances

In preparing the results presented in this report, WTW has relied upon information regarding plan provisions, participants, assets, and sponsor accounting policies and methods provided by the District and other persons or organizations designated by the District. We may also have relied on certain models developed by others; any such reliance is discussed in Appendix A.

We have reviewed this information for overall reasonableness and consistency, but have neither audited nor independently verified this information. Based on discussions with and concurrence by the plan sponsor, assumptions or estimates may have been made if data were not available. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

We have relied on all the data and information provided as complete and accurate. The results presented in this report are directly dependent upon the accuracy and completeness of the underlying data and information. Any material inaccuracy in the data, assets, plan provisions or other information provided to us may have produced results that are not suitable for the purposes of this report and such inaccuracies, as corrected by the District, may produce materially different results that could require that a revised report be issued.

Assumptions and methods under Part VII, Chapter 112 of the Florida Statutes for funding purposes

The plan sponsor selected, as prescribed by the Florida Statutes, key assumptions and funding methods (including the mortality assumption and asset valuation method) employed in the development of the contribution amounts. To the extent not prescribed by Part VII, Chapter 112 of the Florida Statutes or selected by the sponsor, the actuarial assumptions and methods employed in the development of the contribution amounts have been selected by WTW, with the concurrence of the plan sponsor. It is beyond the scope of this actuarial valuation to analyze the reasonableness and appropriateness of prescribed methods and assumptions, or to analyze other options from among the alternatives available for methods and assumptions.

Other than prescribed assumptions, Part VII, Chapter 112 of the Florida Statutes require the use of assumptions each of which is "reasonable (taking into account the experience of the plan and reasonable expectations), and which, in combination, offer the actuary's best estimate of anticipated



experience under the plan." The results shown in this report have been developed based on actuarial assumptions that, to the extent evaluated or selected by WTW, we consider not to significantly conflict with what would be reasonable. In addition, we believe that the combined effect of assumptions, other than assumptions set by law and assumptions selected by another party that we have been unable to assess for reasonableness, or for which a provision for adverse deviation is included, is expected to have no significant bias.

See Appendix A for a discussion of any assumptions that we were unable to assess or for which a provision for adverse deviation has been included. Other actuarial assumptions could also be considered to be reasonable. Thus, reasonable results differing from those presented in this report could have been developed by selecting different reasonable assumptions.

Nature of actuarial calculations

The results shown in this report are estimates based on data that may be imperfect and on assumptions about future events that cannot be predicted with any certainty. The effects of certain plan provisions may be approximated, or determined to be insignificant and therefore not valued. Assumptions may be made, in consultation with the District, about participant data or other factors. Reasonable efforts were made in preparing this valuation to confirm that items that are significant in the context of the actuarial liabilities or costs are treated appropriately, and are not excluded or included inappropriately. Any rounding (or lack thereof) used for displaying numbers in this report is not intended to imply a degree of precision, which is not a characteristic of actuarial calculations.

If overall future plan experience produces higher benefit payments or lower investment returns than assumed, the relative level of plan costs or contribution requirements reported in this valuation will likely increase in future valuations (and vice versa). Future actuarial measurements may differ significantly from the current measurements presented in this report due to many factors, including: 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 the measurements (such as the end of an amortization period or additional contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. It is beyond the scope of this valuation to analyze the potential range of future pension contributions, but we can do so upon request. See Appendix C for disclosures required under ASOP No. 51 of significant risks related to the plan.

Limitations on use

This report is provided subject to the terms set out herein and in our engagement letter signed by the District on August 28, 2023 and any accompanying or referenced terms and conditions.

The information contained in this report was prepared for the internal use of the District and its auditors and any organization that provides benefit administration services for the plan, in connection with our actuarial valuation of the pension plan as described in Purposes of Valuation above. It is not intended for and may not be used for other purposes, and we accept no responsibility or liability in this regard. The District may distribute this actuarial valuation report to the appropriate authorities who have the legal right to require the District to provide them this report, in which case the District will use best efforts to notify WTW in advance of this distribution. Further distribution to, or use by, other



parties of all or part of this report is expressly prohibited without WTW's prior written consent. WTW accepts no responsibility for any consequences arising from any other party relying on this report or any advice relating to its contents.

Professional Qualifications

The undersigned consultants of WTW with actuarial credentials meet the "Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States" relating to pension plans. Our objectivity is not impaired by any relationship between the District and our employer, Willis Towers Watson US LLC.

To the best of our knowledge, all plan participants and all plan provisions have been reflected in the valuation. In our opinion, all methods, assumptions, calculations and procedures are in conformity with generally accepted actuarial principles and practices; and the results presented comply with the requirements of the Internal Revenue Code and Chapter 112 of the Florida Statutes, as applicable.

Jenise Milla

Denise Miller, E.A. Director, Retirement

Ice Naddell

Jason Naddell, F.S.A., E.A. Senior Director, Retirement

March 04, 2024



Section 1: Summary of results

1.1 Summary of key results

Air monetary amounts shown in 65 boliars						
Funding						
Plan Years Beg	ginning	05/01/2023	05/01/2022			
Financial	Actuarial Accrued Liability	962,015,019	900,328,309			
Information -	Market Value of Assets	889,120,188	855,992,769			
Funding	Actuarial Value of Assets	910,782,608	855,910,039			
	Unfunded Actuarial Accrued Liability	51,232,411	44,418,270			
	Normal Cost	19,891,739	20,173,200			
	Actuarially-Determined Contribution (ADC)	36,683,731	36,277,899			
	ADC as a percent of payroll	12.4%	11.8%			
	Discount Rate	6.60%	6.60%			
Participant	Participating Employees	2,937	3,265			
Information	Retirees and Beneficiaries	2,961	2,799			
	Terminated Vested Participants	2,234	<u>2,240</u>			
	Total Plan Participants	8,132	8,304			
	Covered Payroll	296,115,485	308,228,851			
Current Year Contribution	The minimum contribution requirement for the \$34,412,506, assuming the contribution is fully	y paid on May 1, 202	3. Under Part			

All monetary amounts shown in US Dollars

Contribution\$34,412,506, assuming the contribution is fully paid on May 1, 2023. Under PFundingVII, Chapter 112 of the Florida Statutes, the State requires contributions to be
made on at least a quarterly basis and interest adjustments are required.
Assuming that contributions are made by the District on a monthly basis, we
recommend that the District contribute at least a total of \$36,683,731 for the
2023/2024 plan year during the 2023/2024 plan year.





1.2 Analysis and review of changes since last year

Actuarial gains and losses are the result of plan experience differing from assumptions. The net actuarial loss for the 2022/2023 plan year was \$23.5 million. The components of this net actuarial loss are:

- \$2.3 million asset-related loss due to lower than expected return on the actuarial value of assets. The investment return on the market value of assets was 3.8%, which was lower than the 6.60% assumption for 2022/2023. Also, due to the 5-year smoothing of investment gains and losses, the investment return on the actuarial value of assets during 2022/2023 was 6.3%, which is lower than the 6.60% assumption for 2022/2023.
- \$21.2 million liability loss due to plan experience. This represents about a 2.3% variance in plan liabilities resulting from experience different than assumed. This loss is mainly attributable to salary increases higher than assumed.

1.3 Basis for valuation

Appendix A summarizes the assumptions, methods, models and sources of data and other information used to determine plan liabilities for cash funding contribution requirements. Appendix B summarizes the main provisions of the plan as of the valuation date. These appendices include a summary of any changes since the prior valuations. Unless otherwise described below under Subsequent Events, assumptions were selected based on information known as of the measurement date.

Certain models (as described in ASOP No. 56) were used in preparing the information presented herein. Further information on these models can be found in Appendix A.

Subsequent Events

WTW is not aware of any other material events that have occurred and are not reflected in the valuation.



1.4 Special disclosure information required under State of Florida Statute 112

Investment Return

Period	Market Value	Annual Rate of Return Actuarial Value	Assumed ¹
05/01/2013 - 04/30/2014	9.2%	9.4%	7.5%
05/01/2014 - 04/30/2015	4.6%	7.2%	7.5%
05/01/2015 - 04/30/2016	(2.0%)	4.4%	7.0%
05/01/2016 - 04/30/2017	10.7%	5.7%	7.0%
05/01/2017 - 04/30/2018	8.5%	6.0%	7.0%
05/01/2018 - 04/30/2019	7.7%	6.2%	7.0%
05/01/2019 - 04/30/2020	(1.3%)	5.0%	7.0%
05/01/2020 - 04/30/2021	28.8%	9.9%	6.75%
05/01/2021 - 04/30/2022	(3.1%)	7.9%	6.60%
05/01/2022 - 04/30/2023	3.8%	6.3%	6.60%

The annual rate of return is determined by using the formula 2I/(A+B-I), where I is the dollar amount of the investment return under each of the asset valuation methods, A is the value of assets one year ago, and B is the value of assets on the current valuation date.

Allocation of assets in plan portfolio

	Actual allocation percentage for the period ending					
Investment	04/30/2023	04/30/2022	04/30/2021	04/30/2020	04/30/2019	
Cash	0.4%	0.5%	0.4%	0.5%	3.6%	
Equity	68.7%	67.8%	71.4%	65.0%	64.5%	
Bond	30.9%	31.7%	28.2%	34.5%	31.9%	
Alternative Investments	0.0%	0.0%	0.0%	0.0%	0.0%	
Total	100%	100%	100%	100%	100%	

March 2024

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¹ This assumed rate of return is net of investment experience.

		Annualized Rates	
Period	Actual		Assumed ¹
05/01/2013 - 04/30/2014	3.7%		5.2%
05/01/2014 - 04/30/2015	2.9%		3.1%
05/01/2015 - 04/30/2016	4.3%		3.3%
05/01/2016 - 04/30/2017	3.3%		3.5%
05/01/2017 - 04/30/2018	2.7%		3.7%
05/01/2018 - 04/30/2019	3.3%		4.0%
05/01/2019 - 04/30/2020	3.3%		4.2%
05/01/2020 - 04/30/2021	2.9%		2.9%
05/01/2021 - 04/30/2022	8.4%		2.9%
05/01/2022 - 04/30/2023	6.8%		2.9%

Salary Increases

Unfunded Liabilities

Valuation Date	Unfunded Liability	Amortization Charge
May 1, 2023	51,232,411	14,415,767
May 1, 2024	39,246,542	14,415,767
May 1, 2025	26,469,606	14,415,767

Above schedule is based on the unfunded liability as it exists on May 1, 2023 and assumes no gains and losses after May 1, 2023. The final year of amortization ends April 30, 2030.

¹ Annualized rate determined by taking a weighted average of the expected pay rate increases by age grouping based on the age-graded compensation increase assumption in effect during the valuation period.



Required Actuarial Certification

This actuarial valuation and/or cost determination was prepared and completed by me or under my direct supervision, and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate, and in my opinion, the techniques and assumptions used are reasonable and meet the requirements and intent of Part VII, Chapter 112, Florida Statutes. There is no benefit or expense to be provided by the plan and/or paid from the plan's assets for which liabilities or current costs have not been established or otherwise provided for in the valuation. All known events or trends which may require a material increase in plan costs or required contribution rates have been taken into account in the valuation.

enise Milla

Denise Miller, E.A.

March 04, 2024

23-06274 Enrollment No.



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Section 2: Actuarial exhibits

2.1 Summary of results

All monetary amounts shown in US Dollars

InformationRetirees and Beneficiaries Terminated Vested Participants Total2,961 2,234 2,244 2,244 2,244 2,244 2,244 2,244 2,234 2,234 2,234 2,234 2,244 2,234 2,244 2,2334,337 2,234 2,234 2,244 2,233,133 2,2374,377 2,344,377 2,344,377 2,37	Plan Years Beginr	ing	May 1, 2023	May 1, 2022
InformationRetirees and Beneficiaries Terminated Vested Participants Total2,961 2,234 2,23,24 2,24 2,24 2,24 2,23,24<	Membership	Participating Employees	2,937	3,265
Total8,1328,30Payroll InformationCovered Payroll Present Value of Future Pay296,115,485308,228,85Actuarial Present Value of Future BenefitsParticipating Employees1,916,120,7442,039,080,51Actuarial Present Value of Future BenefitsParticipating Employees514,036,860506,666,97•Retirement514,036,860506,666,97•Withdrawal18,390,45420,580,15•Death5,325,6925,331,92•Disability37,351,08037,337,77Retirees and Beneficiaries402,049,932360,099,42Total1,100,868,3951,044,708,82Actuarial Present Value of Vested BenefitsParticipating Employees Retirees and Beneficiaries Total352,728,791351,115,32Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants Total352,728,791351,115,32Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants Terminated Vested P	Information	Retirees and Beneficiaries	2,961	2,799
Payroll InformationCovered Payroll Present Value of Future Pay296,115,485 1,916,120,744308,228,85 2,039,080,51Actuarial Present BenefitsParticipating Employees • Retirement514,036,860 5,325,692508,666,97 5,331,93• Retirement • Withdrawal • Death • Death • Disability Retirees and Beneficiaries Fotal514,036,860 5,325,692508,666,97 5,331,93• Retirement • Withdrawal • Death • Death • Disability Retirees and Beneficiaries Fotal18,390,454 4,20,580,1320,580,13 2,331,93• Catuarial Present Value of Vested BenefitsParticipating Employees Retirees and Beneficiaries Total350,140,405 1,044,708,82348,783,33 360,099,42 14,692,57 104,708,82Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries 123,714,377351,115,32 14,692,57 104Actuarial Present Yalue of Accrued BenefitsParticipating Employees Retirees and Beneficiaries 123,714,377351,115,32 14,692,57 104Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries 123,714,377351,115,32 14,692,57 104Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants Total362,507,70 10425,536,31Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants Terminated Vested Participants Terminated Vested Participants Terminated Vested Participants Termin		Terminated Vested Participants	2,234	2,240
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Actuarial Present Benefits Participating Employees • Retirement • Withdrawal 514,036,860 506,666,97 • Withdrawal 18,390,454 20,580,16 • Death 5,325,692 5,331,93 • Disability 37,351,080 37,337,77 Retirees and Beneficiaries 402,049,932 360,099,42 Terminated Vested Participants 123,714,377 114,692,57 Total 1,100,888,395 1,044,708,82 Actuarial Present Value of Vested Benefits Participating Employees Retirees and Beneficiaries Total 350,140,405 348,783,33 Actuarial Present Value of Accrued Benefits Participating Employees Retirees and Beneficiaries Total 352,728,791 351,115,32 Actuarial Present Benefits Participating Employees Retirees and Beneficiaries Total 352,728,791 351,115,32 Actuarial Present Benefits Participating Employees Retirees and Beneficiaries Total 352,728,791 351,115,32 Projected Unit Credit Actuarial Accrued Liability Participating Employees Retirees and Beneficiaries Total 436,250,710 425,536,31 Projected Unit Credit Actuarial Accrued Liability Participating Employees Retirees and Beneficiaries Total 436,250,710 425,536,31	Payroll	Covered Payroll	296,115,485	308,228,851
Value of Future Benefits Retirement 514,036,860 506,666,97 • Withdrawal 18,390,454 20,580,16 • Death 5,325,692 5,331,93 • Disability 37,351,080 37,337,77 Retirees and Beneficiaries 402,049,932 360,099,42 Terminated Vested Participants 123,714,377 114,692,57 Total 1,100,868,395 1,044,708,82 Actuarial Present Value of Vested Benefits Participating Employees 350,140,405 348,783,33 Retirees and Beneficiaries 402,049,932 360,099,42 123,714,377 114,692,57 Total 875,904,714 823,575,32 123,714,377 114,692,57 Total 875,904,714 823,575,32 123,714,377 114,692,57 Actuarial Present Value of Accrued Benefits Participating Employees 352,728,791 351,115,32 Projected Unit Credit Actuarial Accrued Liability Participating Employees 436,250,710 425,536,31 Projected Unit Credit Actuarial Accrued Liability Participating Employees 436,250,710 425,536,3	Information	Present Value of Future Pay	1,916,120,744	2,039,080,511
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• Disability 37,351,080 37,337,77 Retirees and Beneficiaries 402,049,932 360,099,42 Terminated Vested Participants 123,714,377 114,692,57 Total 1,100,868,395 1,044,708,82 Actuarial Present Value of Vested Benefits Participating Employees Retirees and Beneficiaries 350,140,405 348,783,33 Total 123,714,377 114,692,57 114,692,57 Total 123,714,377 114,692,57 Total 123,714,377 114,692,57 Total 875,904,714 823,575,32 Actuarial Present Value of Accrued Benefits Participating Employees Retirees and Beneficiaries 352,728,791 351,115,32 Total 875,904,714 823,575,32 360,099,42 Terminated Vested Participants 123,714,377 114,692,57 Total 878,493,100 825,907,32 Projected Unit Credit Actuarial Accrued Liability Participating Employees Retirees and Beneficiaries 436,250,710 425,536,31 Accrued Liability Participating Employees Retirees and Beneficiaries 402,049,932 360,099,42 <td< td=""><td></td><td>Death</td><td>5,325,692</td><td>5,331,936</td></td<>		Death	5,325,692	5,331,936
Retirees and Beneficiaries402,049,932360,099,42Terminated Vested Participants123,714,377114,692,57Total1,100,868,3951,044,708,82Actuarial Present Value of Vested BenefitsParticipating Employees Retirees and Beneficiaries350,140,405348,783,33Actuarial Present Value of Vested BenefitsParticipating Employees Retirees and Beneficiaries350,140,405348,783,33Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries352,728,791351,115,32Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Total352,728,791351,115,32Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants352,728,791351,115,32Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Total436,250,710425,536,31Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants123,714,377114,692,57TotalParticipating Employees Retirees and Beneficiaries Total436,250,710425,536,31Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants123,714,377114,692,57		Disability	37,351,080	37,337,770
Terminated Vested Participants123,714,377114,692,57Total1,100,868,3951,044,708,82Actuarial Present BenefitsParticipating Employees Retirees and Beneficiaries350,140,405348,783,33Actuarial Present Value of Vested BenefitsParticipating Employees Retirees and Beneficiaries350,140,405348,783,33Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries123,714,377114,692,57Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants352,728,791351,115,32Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants352,728,791351,115,32Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees 		-	402,049,932	360,099,427
Total1,100,868,3951,044,708,82Actuarial Present Value of Vested BenefitsParticipating Employees Retirees and Beneficiaries350,140,405348,783,33Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries352,728,791351,115,32Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries352,728,791351,115,32Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants352,728,791351,115,32Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants436,250,710425,536,31Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Terminated Vested Participants436,250,710425,536,31Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Terminated Vested Participants436,250,710425,536,31Projected Unit Credit Actuarial<		Terminated Vested Participants		114,692,571
Value of Vested BenefitsRetirees and Beneficiaries Terminated Vested Participants402,049,932 123,714,377360,099,42 114,692,57Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants352,728,791 402,049,932351,115,32 360,099,42Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants352,728,791 123,714,377351,115,32 360,099,42Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants436,250,710 425,536,31 402,049,932425,536,31 360,099,42Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants436,250,710 123,714,377425,536,31 114,692,57		Total		1,044,708,827
Value of Vested BenefitsRetirees and Beneficiaries Terminated Vested Participants402,049,932 123,714,377360,099,42 114,692,57Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants352,728,791 402,049,932351,115,32 360,099,42Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants352,728,791 123,714,377351,115,32 360,099,42Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants436,250,710 425,536,31 402,049,932425,536,31 360,099,42Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants436,250,710 123,714,377425,536,31 114,692,57	Actuarial Present	Participating Employees	350.140.405	348.783.330
BenefitsTerminated Vested Participants123,714,377114,692,57Total875,904,714823,575,32Actuarial Present Value of Accrued BenefitsParticipating Employees352,728,791351,115,32Actuarial Present Value of Accrued BenefitsParticipating Employees352,728,791351,115,32Actuarial Present Value of Accrued BenefitsParticipating Employees402,049,932360,099,42Terminated Vested Participants Total123,714,377114,692,57Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants436,250,710425,536,31Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants123,714,377114,692,57Accrued LiabilityParticipating Employees Terminated Vested Participants123,714,377114,692,57	Value of Vested			360,099,427
Actuarial Present Value of Accrued BenefitsParticipating Employees Retirees and Beneficiaries Terminated Vested Participants352,728,791 402,049,932 123,714,377351,115,32 360,099,42 360,099,42 123,714,377Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees Retirees and Beneficiaries Terminated Vested Participants436,250,710 425,536,31 402,049,932 360,099,42	Benefits	Terminated Vested Participants	123,714,377	114,692,571
Value of Accrued BenefitsRetirees and Beneficiaries402,049,932360,099,42Terminated Vested Participants123,714,377114,692,57Total878,493,100825,907,32Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees436,250,710Participating Employees436,250,710Projected Unit Credit Actuarial Accrued LiabilityParticipating EmployeesProjected Unit Credit Actuarial Accrued UnitParticipating EmployeesProjected Unit Credit Actuarial Accrued UnitParticipating EmployeesProjected Unit Credit Actuarial Accrued UnitPa		Total	875,904,714	823,575,328
Value of Accrued BenefitsRetirees and Beneficiaries402,049,932360,099,42Terminated Vested Participants123,714,377114,692,57Total878,493,100825,907,32Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees436,250,710Participating Employees436,250,710Projected Unit Credit Actuarial Accrued LiabilityParticipating EmployeesProjected Unit Credit Actuarial Accrued UnitParticipating EmployeesProjected Unit Credit Actuarial Accrued UnitParticipating EmployeesProjected Unit Credit Actuarial Accrued UnitPa	Actuarial Present	Participating Employees	352,728,791	351,115,325
BenefitsTerminated Vested Participants123,714,377114,692,57Total878,493,100825,907,32Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees436,250,710425,536,31Accrued LiabilityParticipating Employees402,049,932360,099,42Terminated Vested Participants123,714,377114,692,57				360,099,427
Projected Unit Credit Actuarial Accrued LiabilityParticipating Employees436,250,710425,536,31Retirees and Beneficiaries Terminated Vested Participants402,049,932360,099,42114,692,57114,692,57	Benefits	Terminated Vested Participants		114,692,571
Credit Actuarial Accrued LiabilityRetirees and Beneficiaries402,049,932360,099,42Terminated Vested Participants123,714,377114,692,57		Total	878,493,100	825,907,323
Credit Actuarial Accrued LiabilityRetirees and Beneficiaries402,049,932360,099,42Terminated Vested Participants123,714,377114,692,57	Projected Unit	Participating Employees	436,250,710	425,536,311
Terminated Vested Participants	Credit Actuarial			360,099,427
	Accrued Liability	Terminated Vested Participants	123,714,377	114,692,571
Total 962,015,019 900,328,30		Total	962,015,019	900,328,309





Plan Years Beginni	ng	May 1, 2023	May 1, 2022
Assets	Market Value	889,120,188	855,992,769
	Actuarial Value	910,782,608	855,910,039
UAAL	Unfunded Actuarial Accrued	51,232,411	44,418,270
Normal Cost	Retirement	17,537,629	17,638,572
	Withdrawal	871,735	1,026,558
	Death	185,677	189,637
	Disability	1,296,698	1,318,433
	Total	19,891,739	20,173,200
	As a % of pay	6.72%	6.54%
Actuarially	Normal Cost at Beginning of Year	19,891,739	20,173,200
Determined	Amortization of UAAL	14,415,767	13,696,600
Contribution	Estimated Expenses	105,000	162,000
(ADC)	ADC at Beginning of Year	34,412,506	34,031,800
	ADC at End of Year	36,683,731	36,277,899
	ADC as a % of pay	12.39%	11.77%
Low-Default Risk	Participating Employees	715,481,962	N/A
Obligation	Retirees and Beneficiaries	526,093,589	N/A
Measure ¹	Terminated Vested Participants	202,521,557	N/A
	Total	1,444,097,108	N/A

¹ The low-default-risk obligation measure was calculated using the assumptions described in Appendix A except that a 20-year Muncipal bond rate as of 5/1/2023 of 3.53% was used. For further discussion of the low-default-risk-obligation measure, see the Limitations section in the Purposes of Valuation section above.



2.2 Actuarial gains/(losses)

Pla	n Year Beginning			May 1, 2023
Α.	Derivation of Experience	1.	Total normal cost previous valuation (including expenses)	20,335,200
	Gain/(Loss)	2.	Unfunded actuarial accrued liability (UAAL) previous valuation	44,418,270
		3. 4.	Contributions previous year Interest on:	39,893,706
			(a) Total normal cost	1,342,123
			(b) Unfunded actuarial accrued liability(c) Contributions	2,931,606 1,409,928
			(d) Net Total: (a) + (b) – (c)	2,863,801
		5. 6.	Expected UAAL current year: $1. + 2 3. + 4.(d)$ Actual UAAL current year before assumption changes	27,723,565 51,232,411
		7.	Experience gain/(loss): 5. – 6.	(23,508,846)
		8.	Experience gain/(loss) as percent of actuarial accrued liability as of May 1, 2022	(2.6%)
				(2.6%)
В.	Approximate	1.	Actuarial value of assets previous year	855,910,039
	Portion of Experience	2. 3.	Contributions during year Disbursements during year (administrative expenses	39,893,706 39,314,334
	Gain/(Loss) Due	5.	and benefits)	59,514,554
	To Investments	4.	Expected appreciation for period	56,602,618
		5.	Expected actuarial value of assets current year: $1. + 2 3. + 4.$	913,092,029
		6.	Actual actuarial value of assets current year	910,782,608
		7.	Approximate investment gain/(loss): 6. – 5.	(2,309,421)
C.	Approximate Net Experience Gain/(Loss) Due to Liabilities	1.	Liability gain/(loss): A.7 – B.7	(21,199,425)
	Reconciliation	1.	Expected UAAL as of May 1, 2023	27,723,565
-	of Unfunded	2.	Adjustments	
	Actuarial Accrued		- Actuarial experience (gain)/loss - Plan amendments	23,508,846 0
	Liability as of		- Assumption changes	0
	May 1, 2023		- Cost method changes	0
		3.	Total Adjustments Actual UAAL as of May 1, 2023: 1. + 2.	23,508,846 51,232,411
		-	· · · · ·	- , - ,



2.3 Deriviation of amortization payment

Type of Base	Date Established	Initial	Remaining Balance	2023 Amortization	Years
Fresh Start	05/01/2012	Amount 78,989,616	4,161,292	Payment 4,161,292	Remaining
		, ,			1 yrs.
Actuarial (Gain)/Loss	05/01/2013	5,285,574	748,348	386,127	2 yrs.
Assumption Change	05/01/2013	7,525,837	1,065,531	549,785	2 yrs.
Actuarial (Gain)/Loss	05/01/2014	(13,811,411)	(2,097,523)	(1,082,265)	2 yrs.
Assumption Changes	05/01/2014	6,528,450	991,468	511,571	2 yrs.
Actuarial (Gain)/Loss	05/01/2015	529,801	132,072	46,866	3 yrs.
Assumption Changes	05/01/2015	25,421,857	4,183,752	2,158,703	2 yrs.
Actuarial (Gain)/Loss	05/01/2016	14,722,582	3,963,319	1,406,384	3 yrs.
Assumption Changes	05/01/2016	(11,375,788)	(3,062,361)	(1,086,679)	3 yrs.
Actuarial (Gain)/Loss	05/01/2017	10,084,962	3,758,286	1,031,472	4 yrs.
Actuarial (Gain)/Loss	05/01/2018	(2,438,824)	(994,035)	(272,816)	4 yrs.
Actuarial (Gain)/Loss	05/01/2019	6,934,116	3,596,683	814,093	5 yrs.
Actuarial (Gain)/Loss	05/01/2020	8,498,849	5,026,017	1,137,616	5 yrs.
Assumption Changes	05/01/2020	(13,240,525)	(7,830,132)	(1,772,315)	5 yrs.
Actuarial (Gain)/Loss	05/01/2021	(16,547,402)	(11,836,769)	(2,300,864)	6 yrs.
Assumption Change	05/01/2021	14,939,307	10,686,457	2,077,264	6 yrs.
Actuarial (Gain)/Loss	05/01/2022	18,038,610	15,231,160	2,614,354	7 yrs.
Actuarial (Gain)/Loss	05/01/2023	23,508,846	23,508,846	4,035,179	7 yrs.
Total			51,232,411	14,415,767	

All monetary amounts shown in US Dollars

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2.4 Summary of market value of plan assets

	Beginning Balance (May 1, 2022) Adjustment Adjusted Beginning Balance		855,992,769 68,246 ¹ 856,061,015
Additions	Employer Contributions	39,893,706	
	Earned Income	20,239,628	
	Interest & Dividends	19,122	
	Net Increase in Accrued Income	0	
	Realized Gains	7,356,483	
	Unrealized Gains	0	
	Other Receipts	61,963,059	
А.	Total Additions	129,471,998	
Deductions	Pension Payments	39,209,523	
	Net Decrease in Accrued Income	0	
	Realized Losses	0	
	Unrealized Losses	(7,264,522)	
	Other Disbursements	61,911,063	
	Expenses - administrative	104,811	
	Expenses - investment	2,451,950	
В.	Total Deductions	96,412,825	
C.	Net Increase/(Decrease) (A B.)		33,059,173
	Ending Balance (April 30, 2023)		889,120,188

¹ Provided by MHS in the April 30, 2023 asset information



2.5 Development of actuarial value of assets

Expected Return	Market value of assets as of May 1, 2022				855,992,769
	Ite	m	Amount	Weight for Timing	Weighted Amount
	Contributions for Benefits and adr Total		39,893,706 (39,314,334)	53.55% 50.00%	21,363,079 (19,657,167) 1,705,912
		assets plus total we return on plan ass			857,698,681 6.60% 56,608,078
Actual Return	Market value as Contributions for Benefit payment Market value as Actual return	prior plan year s and administrativ	e expenses		(855,992,769) (39,893,706) 39,314,334 889,120,188 32,548,047
Investment Gain/(Loss)	Actual return mir	nus expected return	1		(24,060,031)
Actuarial Value of Assets	Market value of	blan assets as of M	ay 1, 2023		889,120,188
	Plan Year 2019/2020 2020/2021 2021/2022 2022/2023 Total Asset value minu Corridor for actu 80% of marl 120% of mar	ket value	Percent <u>Recognized</u> 80.00% 60.00% 40.00% 20.00%	Percent Deferred 20.00% 40.00% 60.00% 80.00%	Deferred Gain/(Loss) (11,492,819) 60,362,840 (51,284,416) (19,248,025) (21,662,420 910,782,608 711,296,150 1,066,944,226
	Actuarial value	of plan assets as	s of May 1, 2023		910,782,608



2.6 Reconciliation of present value of accumulated benefits

All monetar	y amounts	shown ir	n US	Dollars
-------------	-----------	----------	------	---------

	Present Value
1 Present value of accumulated benefits at May 1, 2022	825,907,323
2 Changes during the year due to:	
a Benefits accumulated	29,675,13
b Actuarial (gains)/losses	6,945,64
c Decrease in the discount period	55,174,528
d Actual benefits paid	(39,209,523
e Plan amendment	C
f Change of assumptions	C
g Net increase/(decrease)	52,585,77
B Present value of accumulated benefits at May 1, 2023	878,493,100



2.7 Expected future benefit payments

All monetary amounts shown in US Dollars

1	During plan year ending 04/30/2024	44,363,719
2	During plan year ending 04/30/2025	48,869,654
3	During plan year ending 04/30/2026	53,634,947
4	During plan year ending 04/30/2027	58,620,490
5	During plan year ending 04/30/2028	63,559,622
6	During plan year ending 04/30/2029	68,247,807
7	During plan year ending 04/30/2030	72,797,739
8	During plan year ending 04/30/2031	77,179,720
9	During plan year ending 04/30/2032	81,202,780
10	During plan year ending 04/30/2033	84,827,682
11	During plan year ending 04/30/2034 through 04/30/2038	467,539,992





Section 3: Participant data

3.1 Reconciliation of participant data

	Participating Employees	Retirees and Beneficiaries	Terminated Vested Participants	Total
1. Number as of 05/01/2022	3,265	2,799	2,240	8,304
2. Changes by category:				
a. New hire and rehire	-	-	-	-
b. Non-vested termination	-	-	-	-
c. Vested termination	(187)	-	187	-
d. Retirement	(113)	213	(100)	-
e. Disability	-	-	-	-
f. Death	(11)	(62)	(18)	(91)
g. New Beneficiary	-	Ì1Ó	<u> </u>	<u></u> 11
h. Cashout	(18)	-	(61)	(79)
i. QDRO	-	1	2	3
j. Miscellaneous	1	-	(17)	(16)
k. Net change	(328)	162	(6)	(172)
3. Number as of 05/01/2023	2,937	2,961	2,234	8,132

March 2024

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3.2 Comparison of participant data

		May 1, 2023	May 1, 2022
Membership	Participating Employees Retirees and Beneficiaries Terminated Vested Participants Total	2,937 2,961 2,234 8,132	3,265 2,799 2,240 8,304
Payroll	Covered Payroll	296,115,485	308,228,851
Statistical Averages	Active Participants Compensation Age Service	100,822 56.05 yrs. 19.60 yrs.	94,394 55.27 yrs. 18.60 yrs.
Monthly Benefit Averages for Inactives	Retirees & Beneficiaries	1,091	1,034
	Terminated Vested Participants	669	629



3.3 Age and service distribution of participating employees

		Con	ipieleu reais		Service			
Attained Age	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Under 35	7	-	-	-	-	-	-	-
35-39	54	32	-	-	-	-	-	86
40-44	98	114	23	-	-	-	-	235
45-49	111	168	71	13	1	-	-	364
50-54	96	230	138	54	10	1	-	529
55-59	114	275	169	75	45	17	-	695
60-64	94	240	173	62	51	23	9	652
65-69	39	102	85	36	25	3	9	299
70 & Over	9	29	15	10	2	1	4	70
Total	622	1,190	674	250	134	45	22	2,937

Completed Years of Credited Service

Average:	Age	56.0	Number of participants:	Fully vested	2,937	Males	647
	Service	19.6		Partially vested	0	Females	2,290

Census Data as of May 1, 2023

March 2024 wtwco.com



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Appendix A: Statement of actuarial assumptions, methods and data sources

Plan Sponsor

South Broward Hospital District (SBHD)

Statement of Assumptions

The assumptions disclosed in this Appendix A are for the plan year beginning May 1, 2023 funding valuation.

Economic Assumptions

Discount rate and expected 6.60% return on assets

Compensation increases	Age	Percentage increase
	Less than 35	6.00%
	35 – 39	5.25%
	40 - 44	4.00%
	45 – 49	3.50%
	50 – 54	3.00%
	55 – 59	2.50%
	60 or older	2.25%

Administrative expenses \$105,000

Other Economic Assumptions				
Future Increases in maximum benefits and plan compensation limitations	It was assumed that maximum benefits and plan compensation limitations under the Internal Revenue Code will increase 2.50% per year in the future. Plan compensation limitations only apply to participants with a date of participation of May 1, 1996 and later.			
Cost of living increases or Consumer Price Index (CPI)	It was assumed that the cost of living or CPI will increase 2.50% per year in the future.			
Future Increases in Social Security Taxable Wage Base	It was assumed that the Social Security Taxable Wage Base will increase 3.00% per year in the future.			





Demographic Assumptions	
Healthy mortality	Base Mortality Table [Male Table used for males; Female Table used for females]
	 Base table: Pub-2010 Base mortality table year: 2010 Table type: Below Median Healthy or Disabled: Healthy Table weighting: Headcount Blending of annuitants and non-annuitants: Separate rates for annuitants and non-annuitants (based on Employees table) Blending of retirees and contingent annuitants: Combined non-disabled annuitant mortality Other: Males set back 1 year
	Mortality Improvement Scale [Male Table used for males; Female Table used for females]
	 Base scale: MP-2018 Projection Type: "Generational" Convergence period: N/A Ultimate mortality improvement rate: N/A Pattern during convergence period: N/A
Disabled mortality	Base Mortality Table [Male Table used for males; Female Table used for females]
	 Base table: Pub-2010 Base mortality table year: 2010 Table type: Non-Safety Healthy or Disabled: Disabled Table weighting: Headcount Blending of annuitants and non-annuitants: N/A Blending of retirees and contingent annuitants: N/A Other: Males and females set forward 3 years
	Mantality Incomposite Carley Nama

Mortality Improvement Scale: None



Retirement

Rates at which participants are assumed to retire by age are shown below:

Age	Rate of Retirement
52-54 *	2%
55-60	5%
61	6%
62-63	11%
64	14%
65	22%
66	30%
67	25%
68	20%
69	15%
70-74	30%
75 and older	100%

* Prior Plan participants only

Disability rates

The representative rates at which participants are assumed to become disabled by age and gender are shown below:

Age	Males	Females
25	0.038%	0.047%
30	0.048%	0.080%
35	0.069%	0.136%
40	0.117%	0.211%
45	0.202%	0.323%
50	0.358%	0.533%
55	0.722%	0.952%
60	1.256%	1.159%

Termination (not due to disability or retirement) rates

Rates at which participants are assumed to terminate by age are shown below:

Age	Rate of Termination
Under 30	19%
30 - 34	15%
35 - 39	9%
40 - 44	7%
45 - 59	6%
60 - 64	9%
65 and older	0%

Marriage

85% of active participants are assumed to be married, with female spouses being three years younger than male spouses.



Additional Assumptions		
Form of payment	 50% of participants with a lump sum benefit value up to \$50,000 are assumed to elect an immediate lump sum and 50% are assumed to elect the normal form of payment (life annuity). 	
	100% of participants with a lump sum benefit value greater than \$50,000 are assumed to elect the normal form of payment (life annuity).	
Benefit commencement date		
 Preretirement death benefit 	The later of the death of the active participant or the date the participant would have reached earliest retirement age	
 Deferred vested benefit 	The later of the normal retirement date or termination of employment for those assumed to elect an annuity.	
 Disability benefit 	Normal retirement date	
 Retirement benefit 	Upon termination of employment	
Inclusion date	The valuation date coincident with or next following the date on which the employee becomes a participant	
Compensation for plan participants	Compensation assumed paid in the current year beginning on the valuation date is based on the rate of pay as of the valuation date supplied by the District's third party plan administrator, increased by a half year's assumed compensation increase.	
Cash flow		
Decrement timing	The assumptions used are collectively called rounded middle of year (rounded MOY) decrement timing. Most events are assumed to occur at the middle of year during which the eligibility condition will be met or the start/end date will occur. For death and disability decrements, the rate applied is based on the participant's rounded age (nearest integer age) at the beginning of the year, to align with the methodology generally used to create those rate tables. For retirement and withdrawal decrements: the age is generally the participant's rounded age at the middle of the year.	
Timing of benefit payments	Benefit payments are assumed to be made uniformly throughout the year and, on average, at mid-year.	
Funding Policy	MHS's funding policy is to contribute at least the minimum contribution requirement determined under Chapter 112 of the Florida Statues. Contributions are required to be made no less frequently than on a quarterly basis.	



Methods	
Census date	May 1, 2023
Measurement date	May 1, 2023
	The benefit obligations for funding are based on census data collected as of May 1, 2023.
Asset method	The actuarial value of assets is calculated under an adjusted market value method by starting with market value of assets at May 1, 2002. For subsequent years the value is determined by adjusting the market value of assets to reflect the investment gains and losses (the difference between the actual investment return and the expected investment return) during each of the last 5 years or, if fewer, the completed years at the rate of 20% per year. The actuarial value is subject to a restriction that it not be less than 80% or more than 120% of market value.
Cost Method	The Projected Unit Credit Method divides the cost of funding benefits into two parts: normal cost and actuarial accrued liability. The normal cost is the estimated cost of the benefits that are considered to be accrued in that plan year. The actuarial accrued liability is the estimated cost of all benefits that are considered to have been accrued to the valuation date. The benefit that is considered to be accrued at any point in time is based on actual accrued service, but projected compensation. The unfunded actuarial liability is the actuarial accrued liability minus plan assets. An actuarial gain or loss is calculated each year based on the change in the unfunded actuarial accrued liability. The total contribution is the normal cost plus assumed administrative expenses plus payments to amortize the initial actuarial accrued liability, gains or losses, plan amendments, and changes in assumptions.
Amortization method	Beginning May 1, 2012, the unfunded liability is amortized on a level dollar basis over the average future working lifetime of active participants (rounded to the nearest whole year). Average future working lifetime is 7 years as of May 1, 2023.
Benefits not Valued	

Benefits not Valued

WTW is not aware of any significant benefits required to be valued that were not.





Sources of Data and Other Information Sources

The District's third party plan administrator, Transamerica, furnished participant data as of May 1, 2023. Information on assets, contributions, and plan provisions was supplied by the plan sponsor. Data were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date.

We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

Assumptions Rationale - Significant Economic Assumptions			
Discount rate	The discount rate is equal to the expected return on plan assets. See below for rationale.		
Expected return on plan assets	The long-term expected rate of return on pension plan investments was determined using the March 31, 2023 Memorial Healthcare System Asset Allocation Study dated May 31, 2023 and information provided via an email from MHS's investment consultant dated May 17, 2023. The Study indicates a mean 10-year Average Annualized return using the Plan's current "Option A" target asset allocation is 7.01% and the 50% Percentile of 10-year Average Annualized return is 7.1%. "Option A" is the approved policy allocation targets for the plan provided by Marquette Associates. With consideration given to the current market conditions driving the results of the Study the long-term expected rate of return on pension plan investments assumption of 6.60% was chosen by the District for the Measurement Date.		
	WTW's determination that this assumption does not significantly conflict with what would be reasonable is informed by WTW's April 2023 Expected Return Estimator model. The target asset allocation as of the Measurement Date and best		
	estimate of long-term nominal and real rates of return used in the Study for each major asset class were provided by the District's investment consultants and are summarized in the following table:		

Asset Class	Target Allocation	Long-Term Expected Nominal Rate of Return ¹	Long-Term Expected Real Rate of Return ²
Broad Fixed Income	25.0%	4.6%	2.3%
High Yield	5.0%	8.5%	6.2%
Bank Loans	5.0%	8.6%	6.3%
Broad US Equity (All Cap Core)	10.0%	7.0%	4.7%
Defensive Equity	10.0%	6.2%	3.9%
Global Equity	40.0%	7.2%	4.9%
Global Low Volatility Equity	5.0%	6.8%	4.5%
Total	100.0%		

¹ Annual 10-year geometric returns, net of pension plan investment expenses.

² Annual 10-year geometric returns excluding inflation and net of pension plan investment expenses.



Rates of increase in compensation	Assumed compensation increases are based on a combination of assumed future (i) cost-of-living increases (CPI), (ii) productivity increases and (iii) promotional increases. CPI increases assumed are as described above. Productivity increases are consistent with the assumed real increases in NAW described above (i.e., increases in assumed NAW less increases in assumed CPI). Promotional increases were based on plan sponsor expectations and a 2020 study of increases received by plan participants for the five-year period May 1, 2014 to May 1, 2019. The new assumed rates were first used in the May 1, 2020 funding valuation.		
	For the reasons discussed above, we believe the assumptions selected do not significantly conflict with what would be reasonable.		
Administrative expenses	Amount equal to prior year's administrative expenses (rounded). We believe that this approach to setting assumed future expenses does not significantly conflict with what would be reasonable because the annual change in amount of administrative expenses has historically been de minimis.		
Assumptions Rationale - Significant Demographic Assumptions			

Mortality	Healthy and disabled mortality assumptions used are based the assumptions mandated by the State of Florida for local governmental plans with valuation dates on or after January 1, 2016, which requires plans to use the mortality assumption in one of the two latest FRS valuations.
Retirement and Termination	Termination rates are based on an experience study conducted in 2020, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. The review of the termination rate assumption was based on five years of experience for the period May 1, 2014 to April 30, 2019 and first effective for the May 1, 2020 funding valuation.
	For the reasons discussed above, we believe the assumptions selected do not significantly conflict with what would be reasonable.
Disability	Disability rates were based on a published table for pension participants believed to have reasonably similar characteristics participating in pension plans with similar disability provisions.
	For the reasons discussed above, we believe the assumptions selected do not significantly conflict with what would be reasonable.



Prescribed Methods			
Funding methods	The methods used for funding purposes as described in this appendix are based on a choice made by the plan sponsor from the funding methods permissible under Chapter 112 of the Florida Statutes and clarified by Chapter 60T of the Florida Administrative Code.		
Changes in Assumptions, Methods and Estimation Techniques			
Change in assumptions since prior valuation	None		
Change in methods since prior valuation	None		
Change in estimation techniques since prior valuation	None		

wodel Descriptions an	d Disclosures in accordance with ASOP No. 56
Quantify	Quantify is the WTW centrally developed, tested and maintained Global actuarial valuation system. It is used to perform valuations of clients' benefit plans.
	Quantify provides the ability to process data, calculate benefits and value benefit liabilities, develop results using applicable standards, and generate client reports.
	Quantify parameters provide significant flexibility to model populations and plan designs. Various demographic, economic and benefit related assumptions exist for users to model multiple demographic and economic situations.
	Plan liabilities are calculated based on standard actuarial techniques, developing actuarially reasonable results using the population and parameters entered. The calculation and presentation of liabilities in Quantify relies on the assumptions used and the reasonability of the assumptions selected.
	Quantify incorporates standard liability methodologies that are intended to reasonably reflect a variety of economic or demographic conditions. The model itself does not evaluate any assumptions entered for reasonableness, consistency or probability of occurrence.
	Quantify is designed specifically for these purposes, and we know of no material limitations that would prevent the system from being suitable for these intended purposes. The actuaries signing this report have relied on the actuaries who develop, test and maintain this system, and have also performed a limited review of results to ensure that system parameters have been set appropriately and plan provisions coded correctly.
Expected Return Estimator	The Expected Return Estimator is used to help inform the choice of an expected return assumption (e.g., as one data point to consider) for returns on the assets of the trust for purposes of the interest rate for valuing the actuarial accrued liabilities and normal cost and developing the minimum required contributions shown in Section 2.1.
	The tool depends on the capital market assumptions chosen at the starting date of the simulation. These assumptions reflect currently prevailing capital market conditions, assumed future conditions ("normative conditions"), and the transition from the current conditions to the normative ones.
	The assumed normative conditions incorporate a blend of historical capital market data and future expectations. The sources consulted in the determination of normative levels include practitioners in our global actuarial and investment consulting practices, plan sponsors, investment managers, economists, and academics.
	The model includes 22 asset classes, and may not have an appropriate classification for every type of asset a plan may hold, or the allocation provided to us by the client may be oversimplified or inaccurate.



Published Demographic	Certain demographic tables described above are standard published
Tables	tables or are based on standard published tables from models
	developed by organizations with the requisite expertise

Appendix B: Summary of principal plan provisions

Plan Sponsor

South Broward Hospital District (SBHD)

Effective Date

Established May 1, 1969

Latest plan restatement effective as of May 1, 2015 and latest plan amendment effective January 1, 2021.

Coverage and Participation

Status: All full-time regular employees hired or rehired prior to November 1, 2011. Any participant as of December 31, 2014 who transfers to South Florida Community Care Network (SFCCN) between January 1, 2015 to September 30, 2015, continues to participate while employed by SFCCN.

Age: Attained age 21

Service: One year of Credited Service with 1,000 hours

Entry Date: First of month coincident with or following meeting above requirements

Credited Service

Completed months of continuous service from date of employment to date of termination. Prior Credited Service of participants re-employed prior to November 1, 2011 is restored, subject to certain conditions.

Compensation

Basic compensation received during a plan year, including 403(b) and Section 125 deferrals, but excluding overtime, bonuses or other special compensation.

Average Compensation (Annual)

Average compensation during the highest consecutive 60-month period in the last 120 months preceding retirement or termination multiplied by 12.



Social Security Taxable Wage Base

The contribution and benefit base (as determined under Section 230 of the United States Social Security Act) in effect as of the first day of the plan year of benefit determination.

Normal Retirement Dates

For employees hired prior to May 1, 2010, the earliest of the following:

- Attainment of age 65 with 5 years of Credited Service
- Attainment of age 62 with 20 years of Credited Service
- Attainment of age 55 with 30 years of Credited Service

For employees hired or non-vested rehires on or after May 1, 2010 and prior to November 1, 2011:

Attainment of age 65 with 5 years of Credited Service

Early Retirement Dates

First of the month (after termination of employment) coincident with or following attainment of age 55 and completion of 10 years of Credited Service.

For participants hired prior to May 1, 2010 the earliest of the above or the first of the month coincident with or following attainment of age 52 and completion of 20 years of Credited Service.

Late Retirement Dates

First of the month (after termination of employment) following Normal Retirement Date.

Normal Retirement Benefits (Annual)

Prior Plan (for participants hired prior to May 1, 2010): 3.0% x Credited Service x Average Compensation over \$197,370; plus 1.5% x Credited Service x Average Compensation over \$82,060 and not more than \$197,370; plus 1.0% x Credited Service x Average Compensation up to \$82,060.

(The \$82,060 and \$197,370integration levels apply for the 2023/2024 plan year and increase annually by 3% per year and are rounded to the nearest \$5.)

New Plan (for participants hired on or after May 1, 2010 and prior to November 1, 2011): 1.75% x Credited Service x Average Compensation over the Social Security Taxable Wage Base; plus 1.25% x Credited Service x Average Compensation over one-half of the Social Security Taxable Wage Base but not more than the Social Security Taxable Wage Base; plus 0.75% x Credited Service x Average Compensation up to one-half of the Social Security Taxable Wage base.

The minimum annual benefit is \$2,400 per year for the Prior Plan and New Plan.



Early Retirement Benefit (Annual)

Accrued normal retirement benefit reduced by 0.6% for each of the first 60 months early retirement precedes normal retirement and by 0.3% for each of the next 60 months that early retirement precedes normal retirement.

Late Retirement Benefit (Annual)

Based on Credited Service and Average Compensation up to actual retirement date.

Termination of Employment

Eligibility: Vesting in accordance with the following schedule:

Years of	Vested
Credited Service	Percentage
Less than 5	0%
5 or more	100%

Annual Benefit: Accrued annual benefit at date of termination times vested percentage. Payments begin at Normal Retirement Date. Reduced monthly benefits before Normal Retirement Date are available upon meeting requirements for early retirement.

Disability Retirement Benefit

Eligibility: 100% vesting of benefits upon total and permanent disability. Total and permanent disability will be deemed to occur if the participant is eligible for Social Security disability benefits.

Annual Benefit: Accrued normal retirement benefit payable as early as disability date, subject to actuarial reduction if benefit starts prior to Normal Retirement.

Death Benefit

Pre-Retirement

Benefit for life, beginning when participant would have been eligible to retire, payable to the surviving spouse of a deceased participant who has attained age 55 with 10 years of Credited Service or who has completed 20 years of Credited Service regardless of age, determined under the joint and 50% contingent form of payment.

Post-Retirement

Benefit pursuant to the option elected.





Normal Form of Payment

Monthly annuity payable for life commencing at Normal Retirement Date.

Optional Forms

Preretirement death benefits are payable only as described above. All other monthly pension benefits are paid under the Normal Form of Payment. Optional forms of payment are a 50% or 100% joint and survivor annuity, a ten-year or twenty-year certain and life annuity, or a lump sum (if present value is under \$50,000).

Employee Contributions

None.

Employer Contributions

Amounts necessary to satisfy the funding requirements of the plan.

Amendments or Changes in Plan Provisions from Previous Valuation

None



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Appendix C: Statement of funding-related risks of plan in accordance with ASOP No. 51

Potentially Significant Risks Associated with the Plan

The following sections discuss certain risks associated with the plan. The specific risks discussed below do not represent a comprehensive list of all risks that could potentially affect the plan, its participants, the sponsor, or any other party. In our professional judgment, we believe these risks to be most relevant to the plan's future financial condition. Not all possible sources of risk were considered. We have not evaluated the ability or willingness of the plan sponsor (or members of their controlled group) to make contributions to the plan when due, nor have we assessed the likelihood or consequences of potential future changes in applicable law. Nothing contained in this report is intended to provide investment advice.

The results shown in this report rely on assumptions regarding future economic and demographic experience. Actual future experience will deviate from the actuarial assumptions, and thus future actuarial measurements and future contribution requirements will differ (perhaps significantly) from the current measurements and contribution requirements presented in this report. Following is a discussion of some of the risks that have the potential to significantly increase the future contributions needed to satisfy legal requirements and secure the benefits of participants. While the discussion below focuses on elements that can increase contributions, contributions may also significantly decline, although not below zero, if these elements move in the opposite direction than discussed below. Note also that any assessment of the risk provided below is speculative and made by the actuary who may not have all the information necessary to evaluate the significance of the risk to the company or plan participants of changes in the plan's funded status; the plan sponsor and its advisors should consider the assessment and any reasons given, and other information, and come to their own conclusions as to the significance of the risk presented. A more complete understanding of these or other risks would require a separate analysis. Such analysis would provide information about the consequences of different plausible experience and about the severity of adverse experience that could be tolerated within a range of funding levels.

We also note that the financial condition of a plan, as well as the contributions caused by this condition, tend to be highly leveraged amounts. When referring to a plan's financial condition below, we generally mean the difference between the plan's assets and its liabilities. As each of these numbers is typically much larger than their difference, even a small change in either one can cause a large percentage change in the financial condition and the resulting contributions.



Financial Risks

Asset-Liability Mismatch Risk

There is generally a substantial risk to a plan's financial condition if the changes in asset values are not matched by changes in the value of liabilities. In this situation, this risk exists because the liabilities are not measured using a market discount rate.

We believe that a more detailed assessment would be beneficial to understanding this risk.

Investment Risk

Much of the plan's assets are invested in return-seeking asset classes that can experience volatile returns. Several consecutive years of moderately poor returns or a single year of exceptionally poor returns may cause a significant increase in minimum required contributions or in contributions required to reach desired funding targets (e.g., to fully fund plan termination liability, to fully fund the plan under the minimum funding rules or to meet other goals of the plan sponsor). Failure to compensate for adverse investment experience with increased contributions could result in further degradation of the funded status of the plan over time, even if investments return at expected rates thereafter.

Generally there is a substantial risk to a plan's financial condition if investment returns are lower than expected. In this situation the risk is present because some of the plan's assets are invested in assets that would not be expected to move in any predictable pattern relative to plan liabilities.

We believe that a more detailed assessment would be beneficial to understanding this risk.

Interest Rate Risk

There is generally a substantial risk to a plan's financial condition due to changes in interest rates because plan liabilities increase as interest rates decline. In this situation the risk is mitigated because the plan's liabilities used to determine policy contributions are determined based on the plan's long-term expected rate of return on investments.

Contribution Risk

We believe there is risk to the plan's financial condition if the minimum required contribution is not satisfied. This risk is present because the plan has a shortfall since the plan's assets are less than the plan's liabilities. We have not evaluated the ability of the plan sponsor to make required contributions



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Demographic Risks

The demographic risks discussed below are typically not as significant as the economic risks discussed above since both the degree of variation from assumptions and the effect on funded status tend to be smaller. However, situations do exist such as certain plan designs or corporate activity where the risks below may be more significant.

Longevity Risk

Measurements of the plan obligations are based on the assumptions of participant longevity described in Appendix A. Expert opinions about future longevity vary widely. If lifespans of plan participants exceed those expected under the assumptions used in preparing the results presented in this report, future measures of the plan obligation and future contribution requirements will gradually increase over time. Furthermore, an emerging pattern of longer lifespans or new research that increases the plausibility of longer lifespans may require a future adjustment in the mortality assumptions that results in a permanent significant increase in the plan obligation measurements and contribution requirements.

There is risk to the plan's financial condition if participant lifespans are longer than expected. Note that the liabilities under the plan primarily consist of benefits owed active employees, and so the effect of future changes in retiree mortality rates will be higher than it would be if more of the liabilities were attributable to older participants. Additionally, lump sums under \$50,000 are available to participants and, since healthier individuals are expected to choose annuities at higher rates, the obligations under the plan are likely predominantly attributable to individuals with longer than average expected lifespans.

We believe that a more detailed assessment would be beneficial to understanding this risk.

Retirement Risk

The plan includes valuable early retirement subsidies. As a result, plan costs will increase if participants retire at younger ages than assumed. This might occur, for example, if business conditions were to cause reductions in force. Currently, retirements are expected to occur at various ages, using the retirement rates summarized in Appendix A.

There is risk to the plan's financial condition if participants retire earlier than currently assumed. Note that an experience study was recently performed, the assumed retirement rates were updated for the May 1, 2020 valuation based on that study and plan sponsor expectations, and we are not aware of any business conditions that would cause a change in such expectations.

We believe that a more detailed assessment would not be beneficial to understanding this risk because a detailed assessment was most recently performed in 2020.



Lump Sum Risk

The plan includes a lump sum provision for lump sum values under \$50,000. There is a risk that the financial condition of the plan may decline, and required contributions increase, if more participants retire or terminate employment and elect to receive lump sums than assumed due to the valuation discount rate being lower than the actuarial equivalence interest rate used to convert annuities to lump sums.

We believe that a more detailed assessment would not be beneficial to understanding this risk because the \$50,000 maximum lump sum value limits the impact this has on the valuation.

Plan Maturity Risk

The plan closed to new entrants effective November 1, 2011. As a result, the plan population has been decreasing and the plan has been becoming more mature (over 50% of the total population is inactive). Therefore, unlike most other employment-related expenses, the contributions required to fund this plan will not diminish proportionately with reductions in personnel. Instead, the per capita contribution requirement could increase rapidly with a decrease in the active employees or with the realization of any of the financial risks described above. If a business downturn is correlated with losses in the financial markets, the per capita increase in required contributions will be especially severe.

We believe that a more detailed assessment would be beneficial to understanding this risk.

Other Risks

The interest rate used to value the plan's liability is the sponsor's long term expected rate of return. If the plan were to terminate and purchased annuities, the cost would be significantly higher than indicated by the liability.

Additional risks exist, including but not limited to liquidity risk, inflation risk, business-specific risk, and compliance risk.



Historical Information

The following information is provided to demonstrate how actuarial value of assets, actuarial accrued liability, and funded percentage have varied over time. Note that the asset values and actuarial accrued liabilities shown below were affected by the levels of plan sponsor contributions and benefits accruing, in addition to interest rates, asset gains and losses, and other experience.

Plan Year	Actuarial Value of Assets	Actuarial Accrued Liability	Funded Percentage
2023	910,782,608	962,015,019	94.67%
2022	855,910,039	900,328,309	95.07%
2021	794,034,379	832,743,433	95.35%
2020	720,562,831	772,443,160	93.28%
2019	681,014,229	752,046,443	90.55%
2018	629,748,669	704,721,667	89.36%
2017	577,074,775	665,099,307	86.77%
2016	527,808,623	614,996,237	85.82%
2015	484,827,183	577,134,059	84.01%
2014	434,246,732	506,889,962	85.67%
2013	374,137,052	460,516,238	81.24%
2012	335,263,885	414,253,501	80.93%
2011	306,234,702	372,639,108	82.18%





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Glossary of funding terms

Actuarial Accrued Liability

This is computed differently under different actuarial cost methods. Generally, the actuarial accrued liability represents the portion of the cost of the participants' anticipated retirement, termination and/or death and disability benefits allocated to the years before the current plan year.

Actuarial Gain or Loss

From one plan year to the next, if the experience of the plan differs from that anticipated using the actuarial assumptions, an actuarial gain or loss occurs. For example, an actuarial gain would occur if the assets in the trust earned 12% for the year while the assumed rate of return used in the valuation was 8%.

Normal Cost

Computed differently under different actuarial cost methods, the normal cost generally represents the portion of the cost of the participants' anticipated retirement, termination and/or death and disability benefits allocated to the current plan year.

Value of Accumulated Benefits

This is the present value of a participant's accrued benefit as of the valuation date, assuming the participant will earn no more credited service and will receive no future salary.

Present Value of Future Benefits

This is computed by projecting the total future benefit cash flow from the plan, using actuarial assumptions, and then discounting the cash flow to the valuation date.

