

**Title 27: Personnel**

**Part 210: PERS, Regulations for Retirement Plans Administered by the Board of Trustees**

**Chapter 59: Plan Assumptions**

**100 Purpose**

This regulation reflects the applicable actuarial assumptions adopted by the Board of Trustees of the Public Employees' Retirement System of Mississippi (PERS Board) used to convert a retirement allowance from the normal (maximum) form of payment to an optional form of payment for the Public Employees' Retirement System of Mississippi, the Supplemental Legislative Retirement Plan, and the Mississippi Highway Safety Patrol Retirement System.

**101 Actuarial Assumptions for the Public Employees' Retirement System of Mississippi**

1. For purposes of determining an "actuarial equivalent" or of an "actuarial computation," effective July 1, 2014, the PERS Board shall use the following actuarial assumptions for service retirees:
  - a. The factors are based on the RP-2000 Combined Mortality Table Projected with Scale AA to 2025 set forward two years for males;
  - b. An 8 percent interest assumption;
  - c. An annual Cost-of-Living Adjustment (COLA) of 3 percent is assumed to be on a compounded basis for all ages; and
  - d. Unisex blends of mortality rates are assumed as follows:
    - i. Annuity Values – 30 percent male/70 percent female
    - ii. Full Cash Refund – 30 percent male/70 percent female
    - iii. Certain and Life – 50 percent male/50 percent female
    - iv. Partial Lump Sum – 50 percent male/50 percent female
    - v. Joint and Survivor – 60 percent male/40 percent female
2. For purposes of determining an "actuarial equivalent" or of an "actuarial computation," effective July 1, 2014, the PERS Board shall use the following actuarial assumptions for disability retirees:
  - a. The factors are based on the RP-2000 Disability Mortality Table set back three years for males and set forward two years for females;
  - b. An 8 percent interest assumption;
  - c. An annual Cost-of-Living Adjustment (COLA) of 3 percent is assumed to be on a compounded basis for all ages; and
  - d. Unisex blends of mortality rates are assumed as follows:
    - i. Annuity Values – 40 percent male/60 percent female
    - ii. Full Cash Refund – 30 percent male/70 percent female
    - iii. Certain and Life – 50 percent male/50 percent female
    - iv. Joint and Survivor – 60 percent male/40 percent female

**102 Actuarial Assumptions for the Supplemental Legislative Retirement Plan**

1. For purposes of determining an “actuarial equivalent” or of an “actuarial computation,” effective July 1, 2014, the PERS Board shall use the following actuarial assumptions for service retirees:
  - a. The factors are based on the RP-2000 Combined Mortality Table Projected with Scale AA to 2025 set forward two years for males;
  - b. An 8 percent interest assumption;
  - c. An annual Cost-of-Living Adjustment (COLA) of 3 percent is assumed to be on a compounded basis for all ages; and
  - d. Unisex blends of mortality rates are assumed as follows:
    - i. Annuity Values – 30 percent male/70 percent female
    - ii. Full Cash Refund – 30 percent male/70 percent female
    - iii. Certain and Life – 50 percent male/50 percent female
    - iv. Partial Lump Sum – 50 percent male/50 percent female
    - v. Joint and Survivor – 60 percent male/40 percent female
2. For purposes of determining an “actuarial equivalent” or of an “actuarial computation,” effective July 1, 2014, the PERS Board shall use the following actuarial assumptions for disability retirees:
  - a. The factors are based on the RP-2000 Disability Mortality Table set back three years for males and set forward two years for females;
  - b. An 8 percent interest assumption;
  - c. An annual Cost-of-Living Adjustment (COLA) of 3 percent is assumed to be on a compounded basis for all ages; and
  - d. Unisex blends of mortality rates are assumed as follows:
    - i. Annuity Values – 40 percent male/60 percent female
    - ii. Full Cash Refund – 30 percent male/70 percent female
    - iii. Certain and Life – 50 percent male/50 percent female
    - iv. Joint and Survivor – 60 percent male/40 percent female

### **103 Actuarial Assumptions for the Mississippi Highway Safety Patrol Retirement System**

1. For purposes of determining an “actuarial equivalent” or of an “actuarial computation,” effective July 1, 2014, the PERS Board shall use the following actuarial assumptions for service retirees:
  - a. The factors are based on the RP-2000 Combined Mortality Table Projected with Scale AA to 2025 set forward two years for males;
  - b. An 8 percent interest assumption;
  - c. An annual Cost-of-Living Adjustment (COLA) of 3 percent is assumed to be on a compounded basis for all ages; and
  - d. 100 percent male mortality rates are assumed for all option factors.
2. For purposes of determining an “actuarial equivalent” or of an “actuarial computation,” effective July 1, 2014, the PERS Board shall use the following actuarial assumptions for disability retirees:
  - a. The factors are based on the RP-2000 Disability Mortality Table set back three years for males and set forward two years for females;
  - b. An 8 percent interest assumption;

- c. An annual Cost-of-Living Adjustment (COLA) of 3 percent is assumed to be on a compounded basis for all ages; and
- d. 100 percent male mortality rates are assumed for all option factors.

**104 Application of Assumptions**

Whenever the amount of any benefit is to be determined on the basis of actuarial assumptions, such assumptions will be specified in PERS Board actions and regulations in a manner that precludes employer discretion.

(History of PERS Board Regulation 59: Adopted effective January 19, 2009; amended effective July 1, 2010; amended effective July 1, 2012; amended effective July 1, 2014)

**Title 27: Personnel**

**Part 210: PERS, Regulations for Retirement Plans Administered by the Board of Trustees**

**Chapter 59: Plan Assumptions**

**100 Purpose**

~~The purpose of t~~This regulation is to detailreflects the applicable actuarial assumptions adopted by the Board of Trustees of the Public Employees' Retirement System of Mississippi (PERS Board) used to convert a retirement allowance from the normal (maximum) form of payment to an optional form of payment for the Public Employees' Retirement System of Mississippi, the Supplemental Legislative Retirement Plan, and the Mississippi Highway Safety Patrol Retirement System.

**101 Actuarial Assumptions for the Public Employees' Retirement System of Mississippi**

1. For purposes of determining an "actuarial equivalent" or of an "actuarial computation," effective July 1, ~~2010~~2014, the PERS Board shall use the following actuarial assumptions for service retirees:
  - a. The factors are based on the ~~1994 Group Annuity~~RP-2000 Combined Mortality Table Projected with Scale AA to 2025 set forward two years for males;
  - b. An ~~8%~~8 percent interest assumption;
  - c. An annual ~~e~~Cost-of-Living a Adjustment (COLA) of ~~3%~~3 percent is assumed to be on a compounded basis for all ages; and
  - d. Unisex blends of mortality rates are assumed as follows:
    - i. Annuity Values – ~~35%~~30 percent male/~~65%~~70 percent female
    - ii. Full Cash Refund – ~~35%~~30 percent male/~~65%~~70 percent female
    - iii. Certain and Life – ~~50%~~50 percent male/~~50%~~50 percent female
    - iv. Partial Lump Sum – ~~50%~~50 percent male/~~50%~~50 percent female
    - v. Joint and Survivor – ~~75%~~60 percent male/~~25%~~40 percent female
2. For purposes of determining an "actuarial equivalent" or of an "actuarial computation," effective July 1, ~~2012~~2014, the PERS Board shall use the following actuarial assumptions for disability retirees:
  - a. The factors are based on the RP-2000 Disability Mortality Table (~~set back two~~three years for males and set forward ~~3~~two years for females);
  - b. An ~~8%~~8 percent interest assumption;
  - c. An annual ~~e~~Cost-of-Living a Adjustment (COLA) of ~~3%~~3 percent is assumed to be on a compounded basis for all ages; and
  - d. Unisex blends of mortality rates are assumed as follows:
    - i. Annuity Values – ~~50%~~40 percent male/~~50%~~60 percent female
    - ii. Full Cash Refund – ~~50%~~30 percent male/~~50%~~70 percent female
    - iii. Certain and Life – ~~50%~~50 percent male/~~50%~~50 percent female
    - iv. Joint and Survivor – ~~75%~~60 percent male/~~25%~~40 percent female

**102 Actuarial Assumptions for the Supplemental Legislative Retirement Plan**

1. For purposes of determining an “actuarial equivalent” or of an “actuarial computation,” effective July 1, ~~2010~~2014, the PERS Board shall use the following actuarial assumptions for service retirees:
  - a. The factors are based on the ~~1994 Group Annuity~~RP-2000 Combined Mortality Table Projected with Scale AA to 2025 set forward two years for males;
  - b. An ~~8%~~ percent interest assumption;
  - c. An annual ~~e~~Cost-of-Living aAdjustment (COLA) of ~~3%~~ percent is assumed to be on a compounded basis for all ages; and
  - d. Unisex blends of mortality rates are assumed as follows:
    - i. Annuity Values – ~~35%~~30 percent male/~~65%~~70 percent female
    - ii. Full Cash Refund – ~~35%~~30 percent male/~~65%~~70 percent female
    - iii. Certain and Life – ~~50%~~ percent male/~~50%~~ percent female
    - iv. Partial Lump Sum – ~~50%~~ percent male/~~50%~~ percent female
    - v. Joint and Survivor – ~~75%~~60 percent male/~~25%~~40 percent female
2. For purposes of determining an “actuarial equivalent” or of an “actuarial computation,” effective July 1, ~~2012~~2014, the PERS Board shall use the following actuarial assumptions for disability retirees:
  - a. The factors are based on the RP-2000 Disability Mortality Table (~~set back two~~three years for males and set forward ~~3~~two years for females);
  - b. An ~~8%~~ percent interest assumption;
  - c. An annual ~~e~~Cost-of-Living aAdjustment (COLA) of ~~3%~~ percent is assumed to be on a compounded basis for all ages; and
  - d. Unisex blends of mortality rates are assumed as follows:
    - i. Annuity Values – ~~50%~~40 percent male/~~50%~~60 percent female
    - ii. Full Cash Refund – ~~50%~~30 percent male/~~50%~~70 percent female
    - iii. Certain and Life – ~~50%~~ percent male/~~50%~~ percent female
    - iv. Joint and Survivor – ~~75%~~60 percent male/~~25%~~40 percent female

**103 Actuarial Assumptions for the Mississippi Highway Safety Patrol Retirement System**

1. For purposes of determining an “actuarial equivalent” or of an “actuarial computation,” effective July 1, ~~2010~~2014, the PERS Board shall use the following actuarial assumptions for service retirees:
  - a. The factors are based on the ~~1994 Group Annuity~~RP-2000 Combined Mortality Table Projected with Scale AA to 2025 set forward two years for males;
  - b. An ~~8%~~ percent interest assumption;
  - c. An annual ~~e~~Cost-of-Living aAdjustment (COLA) of ~~3%~~ percent is assumed to be on a compounded basis for all ages; and
  - d. ~~100%~~ percent male mortality rates are assumed for all option factors.
2. For purposes of determining an “actuarial equivalent” or of an “actuarial computation,” effective July 1, ~~2012~~2014, the PERS Board shall use the following actuarial assumptions for disability retirees:

- a. The factors are based on the RP-2000 Disability Mortality Table (~~set back two years for males and set forward three years for females~~);
- b. An ~~8%~~ percent interest assumption;
- c. An annual ~~e~~Cost-of-Living ~~a~~Adjustment (COLA) of ~~3%~~ percent is assumed to be on a compounded basis for all ages; and
- d. ~~Unisex blends of mortality rates are assumed as follows:~~
  - i. ~~Annuity Values — 50% male/50% female~~
  - ii. ~~Full Cash Refund — 50% male/50% female~~
  - iii. ~~Certain and Life — 50% male/50% female~~
  - iv. ~~Joint and Survivor — 75% male/25% female~~ 100 percent male mortality rates are assumed for all option factors.

#### **104 Application of Assumptions**

Whenever the amount of any benefit is to be determined on the basis of actuarial assumptions, such assumptions will be specified in PERS Board actions and regulations in a manner that precludes employer discretion.

(History of PERS Board Regulation 59: Adopted effective January 19, 2009; amended effective July 1, 2010; amended effective July 1, 2012; amended effective July 1, 2014)