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February 3, 2022

Mr. Mario Cabrera  
 Financial Reporting & Audits Division Chief  
 Auditor-Controller/Treasurer-Tax Collector  
 Financial Reporting & Audits  
 2281 Tulare St., Room 105  
 Fresno, CA 93721

**SJVIA – COUNTY OF TULARE  
 INCURRED BUT NOT REPORTED (IBNR) RESERVES AS OF DECEMBER 31, 2021**

Dear Mario:

We have estimated the “Incurred But Not Reported” (IBNR) claims reserves for the self-funded medical, prescription drug and dental plans for County of Tulare as of December 31, 2021.

**CLAIM EXPERIENCE – JANUARY 1, 2021 TO DECEMBER 31, 2021**

We analyzed the experience in the past 12 months to determine the actual lag between the incurred and payment dates of the medical and drug claims.

Coverage	Paid Claims	Average Monthly Employees	Per Employee Per Month (PEPM)
Medical	\$17,521,359	2998	\$487.03
Prescription Drug	\$8,476,786	2998	\$235.62
Dental	\$1,166,232	2615	\$37.16
<b>Total</b>	<b>\$27,164,377</b>	<b>N/A</b>	<b>\$759.81</b>

**KEENAN’S IBNR ACTUARIAL RESERVE METHODOLOGY**

In Keenan’s IBNR actuarial reserve calculation, the estimated outstanding claims at the end of the period (ending IBNR) is calculated based on the Bornhuetter-Ferguson actuarial method. Under this method, the IBNR is determined based on completion factors and expected incurred claims. The completion factors are derived from actual claim lag data which takes into account the claim payment pattern. When the groups are small, the completion factors are blended with the industry norm completion factors. The IBNR claim reserve is estimated as the sum, for all prior months, of the expected incurred claim for the month multiplied by the proportion of claims expected to still be outstanding based on the completion factors.

Based on our analysis, we estimated the following unpaid claim liabilities for County of Tulare:

Coverage	Number of Employees in December 2021	Reserves on 12/31/2021
Medical	2997	\$1,905,848
Prescription Drug	2997	\$508,607
Dental	2626	\$59,576
<b>Total</b>	<b>N/A</b>	<b>\$2,474,031</b>

**ESTIMATED IBNR RESERVES AS OF DECEMBER 31, 2021**

Finally, the claims reserves are adjusted to reflect, among other things, claims fluctuation margins, retroactive claim adjustments and enrollment fluctuation. The final reserves are shown below:

Coverage	Reserves on 12/31/2021	Adjustment Factor	IBNR on 12/31/2021
Medical	\$1,905,848	1.15	\$2,191,730
Prescription Drug	\$508,607	1.15	\$584,900
Dental	\$59,576	1.15	\$68,510
<b>Total</b>	<b>\$2,474,031</b>	<b>1.15</b>	<b>\$2,845,140</b>

**CERTIFICATION**

The costs, liabilities and other factors under the plan were determined in accordance with generally accepted actuarial principles and procedures. The IBNR reserve calculations reported herein are consistent with our understanding of the Bornhuetter-Ferguson actuarial method. The actuarial assumptions are reasonable and represent our best estimate of the anticipated experience under the plan.

The undersigned credentialed actuary meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained in this report.

Sincerely,



Christine Hough, FSA, FCA, MAAA  
Vice President & Actuary

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