

## Analysis of General Motors Report

The purpose of this analysis is to determine precisely why an inconsistency was detected in an XBRL-based financial report and what should be corrected in order to make the inconsistency go away and make the financial report a properly functioning logical system, without inconsistencies. There are FOUR possible things that might need to be adjusted:

1. The report and/or report model of the economic entity creating the report.
2. The rules used to evaluate the report.
3. The base XBRL taxonomy used to create the report.
4. The rules engine software used to process the report and rules.

In this report the following inconsistencies are reported:

<https://ipfs.infura.io/ipfs/QmR7csBSXp8Ue9VBg7ij4zkWJJSNEupLqJTseZ8oRRsBL>

1	FAC - 001-General Information	Structures	Facts	Pivots	
2	FAC - 101-Balance Sheet, Classified	Structures	Facts	Pivots	
3	FAC - 201.6-Income Statement, Single Step, With Operating Income, Special 2 (Costs and Expenses)	Structures	Facts	Pivots	
4	FAC - 211-Net Income (Loss) Breakdown	Structures	Facts	Pivots	
5	FAC - 212-Net Income (Loss) Available to Common Breakdown	Structures	Facts	Pivots	
6	FAC - 301-Statement of Comprehensive Income	Structures	Facts	Pivots	
7	FAC - 311-Comprehensive Income (Loss) Breakdown	Structures	Facts	Pivots	
8	FAC - 401-Cash Flow Statement	Structures	Facts	Pivots	
9	FAC - 411.1-Net Cash Flow Breakdown	Structures	Facts	Pivots	
10	FAC - 420.1-Continuing and Discontinued Net Cash Flow Breakdown	Structures	Facts	Pivots	
11	FAC - 601-Key Ratios	Structures	Facts	Pivots	
12	FAC - 701.2-Validation Results (No IS11)	Structures	Facts	Pivots	

Income statement:

Concept	Period	2021-01-01 to 2021-12-31
Net Income (Loss) [Roll Up]		
Income (Loss) from Continuing Operations After Tax [Roll Up]		
Income (Loss) from Continuing Operations Before Tax [Roll Up]		
Operating Income (Loss) [Roll Up]		
Revenues		127,004,000,000
Costs and Expenses		117,680,000,000
Operating Income (Loss)		9,324,000,000
Nonoperating Income (Loss) Plus Interest and Debt Expense Plus Income (Loss) from Equity Method Investments		3,392,000,000
Income (Loss) from Continuing Operations Before Tax		12,716,000,000
Income Tax Expense (Benefit)		2,771,000,000
Income (Loss) from Continuing Operations After Tax		10,019,000,000
Income (Loss) from Discontinued Operations, Net of Tax		0
Extraordinary Items of Income (Expense), Net of Tax		0
Net Income (Loss)		9,945,000,000

  

Consolidated Income Statements - USD (\$) shares in Millions, \$ in Millions	12 Months Ended		
	Dec. 31, 2021	Dec. 31, 2020	Dec. 31, 2019
<b>Net sales and revenue</b>			
Automotive	\$ 113,590	\$ 108,673	\$ 122,697
GM Financial	13,414	13,812	14,540
Total net sales and revenue (Note 3)	127,004	122,485	137,237
<b>Costs and expenses</b>			
Automotive and other cost of sales	100,544	97,539	110,651
Automotive and other selling, general and administrative expense	8,554	7,038	8,491
Total costs and expenses	117,680	115,511	131,756
Operating income	9,324	6,634	5,481
Interest income and other non-operating income, net (Note 19)	3,041	1,885	1,469
Equity income (Note 8)	1,301	674	1,268
Income before income taxes	12,716	8,095	7,436
Income tax expense (Note 17)	2,771	1,774	769
Net income	9,945	6,321	6,667

<https://www.sec.gov/ix?doc=/Archives/edgar/data/1467858/000146785822000034/gm-20211231.htm>

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Income tax expense (Note 17)	2,771	1,774	769
Net income	9,945	6,321	6,667
Net loss attributable to noncontrolling interests	74	106	65
Net income attributable to stockholders	10,019	6,427	6,732
Net income attributable to common stockholders	\$ 9,837	\$ 6,247	\$ 6,581

us-gAAP:NetIncomeLoss

On the income statement, the line item “Net income attributable to stockholders” (i.e. net income attributable to parent) is represented using the concept “us-gAAP:NetIncomeLoss”.

In the Earnings per Share note, Note 21, the same line item label, “Net income attributable to stockholders” is represented using the concept

**Note 21. Earnings Per Share**

Basic and diluted earnings per share are computed by dividing Net income attributable to common stockholders by the weighted-average common shares outstanding in the period. Diluted earnings per share is computed by giving effect to all potentially dilutive securities that are outstanding.

	Years Ended December 31,		
	2021	2020	2019
<b>Basic earnings per share</b>			
Net income attributable to stockholders	\$ 10,019	\$ 6,427	\$ 6,732
Less: cumulative dividends on subsidiary preferred stock	(182)	(180)	(151)
Net income attributable to common stockholders	\$ 9,837	\$ 6,247	\$ 6,581
Weighted-average common shares outstanding	1,451	1,433	1,424
Basic earnings per common share	\$ 6.78	\$ 4.36	\$ 4.62
<b>Diluted earnings per share</b>			
Net income attributable to common stockholders – diluted	\$ 9,837	\$ 6,247	\$ 6,581
Weighted-average common shares outstanding – basic	1,451	1,433	1,424
Dilutive effect of warrants and awards under stock incentive plans	17	9	15
Weighted-average common shares outstanding – diluted	1,468	1,442	1,439
Diluted earnings per common share	\$ 6.70	\$ 4.33	\$ 4.57
Potentially dilutive securities(a)	2	7	7

In the LEVEL 4 DETAIL for that exact same disclosure, the company used a DIFFERENT LABEL than the Level 3 Text Block for that disclosure

Earnings Per Share (Details) - USD (\$) \$ / shares in Units, shares in Millions, \$ in Millions	12 Months Ended		
	Dec. 31, 2021	Dec. 31, 2020	Dec. 31, 2019
<b>Basic Earnings per Common Share</b>			
Income from continuing operations	\$ 10,019	\$ 6,427	\$ 6,732
Less: cumulative dividends on subsidiary preferred stock	(182)	(180)	(151)
Net income attributable to common stockholders	\$ 9,837	\$ 6,247	\$ 6,581
Weighted-average common shares outstanding - basic (in shares)	1,451	1,433	1,424
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In the Level 3 Textblock us-gAAP:EarningsPerShareTextBlock,

12 Months Ended			
Dec. 31, 2021			
<b>Earnings Per Share</b>			
Basic and diluted earnings per share are computed by dividing Net income attributable to common stockholders by the weighted-average common shares outstanding in the period. Diluted earnings per share is computed by giving effect to all potentially dilutive securities that are outstanding.			
	Years Ended December 31,		
	2021	2020	2019
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Diluted earnings per common share	\$ 6.70	\$ 4.33	\$ 4.57
Potentially dilutive securities(a)	2	7	7
(a) Potentially dilutive securities attributable to outstanding stock options at December 31, 2021, 2020 and 2019 and RSUs at December 31, 2020, were excluded from the computation of diluted EPS because the securities would have had an antidilutive effect.			