UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

	FORM 10-Q		
(Mark One)			
QUARTERLY REPORT PURSUANT TO SECTION	• •		
	For the quarterly period ended June 3 OR	0, 2021	
☐ TRANSITION REPORT PURSUANT TO SECTION		EXCHANGE ACT OF 1934	
	or the transition period from to Commission file number: 001-37	o 580	
	Alphabet Inc		
(E.	xact name of registrant as specified in	its charter)	
Delaware		61-1767919	
(1	ganization) 1600 Amphitheatre Parkway Mountain View, CA 94043 dress of principal executive offices, includ (650) 253-0000 Registrant's telephone number, including ites registered pursuant to Section 2	ing zip code) area code)	mber)
Title of each class	<u>Trading Symbol(s)</u>	Name of each exchange on v	which registered
Class A Common Stock, \$0.001 par value	GOOGL	Nasdaq Stock Mark	
Class C Capital Stock, \$0.001 par value	GOOG	(Nasdaq Global Selec Nasdaq Stock Mark	•
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(Nasdaq Global Selec	
Indicate by check mark whether the registrant: (1) has filed preceding 12 months (or for such shorter period that the reg 90 days. Yes ☑ No □ Indicate by check mark whether the registrant has submitted (§232.405 of this chapter) during the preceding 12 months (of Indicate by check mark whether the registrant is a large ac growth company. See the definitions of "large accelerated file"	istrant was required to file such report electronically every Interactive Data lor for such shorter period that the regis celerated filer, an accelerated filer, a	ts), and (2) has been subject to such filir File required to be submitted pursuant to strant was required to submit such files). non-accelerated filer, a smaller reporting	requirements for the past Rule 405 of Regulation S-T Yes ☑ No □ company, or an emerging
Exchange Act.			
Large accelerated filer Non-accelerated filer		elerated filer aller reporting company	
Emerging growth company		and reperting company	
If an emerging growth company, indicate by check mark if t financial accounting standards provided pursuant to Section	•	ne extended transition period for complyi	ng with any new or revised
Indicate by check mark whether the registrant is a shell com	pany (as defined in Rule 12b-2 of the	Exchange Act). Yes □ No ℤ	
As of July 20, 2021, there were 301,084,627 shares of Aloutstanding, and 320,168,491 shares of Alphabet's Class C		standing, 45,501,786 shares of Alphabe	t's Class B common stock

Alphabet Inc. Form 10-Q For the Quarterly Period Ended June 30, 2021

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Note About Forward-Looking Statements

This Quarterly Report on Form 10-Q contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995.

These statements include, among other things, statements regarding:

- the ongoing effect of the novel coronavirus pandemic ("COVID-19"), including its macroeconomic effects on our business, operations, and financial results; and the effect of governmental lockdowns, restrictions and new regulations on our operations and processes;
- the growth of our business and revenues and our expectations about the factors that influence our success and trends in our business, including
 the size and timing of the expected return on our continuing investments in our Google Cloud segment;
- · fluctuations in our revenue growth rate and operating margin and various factors contributing to such fluctuations;
- · our expectation that the shift from an offline to online world will continue to benefit our business;
- our expectation that the portion of our revenues that we derive from non-advertising revenues will continue to increase and may affect our margins;
- our expectation that our traffic acquisition costs ("TAC") and the associated TAC rate will fluctuate, which could affect our overall margins;
- · our expectation that our monetization trends will fluctuate, which could affect our revenues and margins;
- fluctuations in our revenue growth, as well as the change in paid clicks and cost-per-click and the change in impressions and cost-per-impression, and various factors contributing to such fluctuations;
- our expectation that we will continue to periodically review, refine, and update our methodologies for monitoring, gathering, and counting the number of paid clicks and impressions;
- our expectation that our results will be affected by our performance in international markets as users in developing economies increasingly come online:
- our expectation that our foreign exchange risk management program will not fully offset our net exposure to fluctuations in foreign currency exchange rates;
- · the expected variability of gains and losses related to hedging activities under our foreign exchange risk management program;
- the amount and timing of revenue recognition from customer contracts with commitments for performance obligations, including our estimate of the remaining amount of commitments and when we expect to recognize revenue;
- · fluctuations in our capital expenditures;
- our plans to continue to invest in new businesses, products, services and technologies, systems, land and buildings for data centers and offices, and infrastructure, as well as to continue to invest in acquisitions;
- · our pace of hiring and our plans to provide competitive compensation programs;
- our expectation that our cost of revenues, research and development ("R&D") expenses, sales and marketing expenses, and general and administrative expenses may increase in amount and/or may increase as a percentage of revenues and may be affected by a number of factors;
- · estimates of our future compensation expenses;
- · our expectation that our other income (expense), net ("OI&E"), will fluctuate in the future, as it is largely driven by market dynamics;
- fluctuations in our effective tax rate:
- seasonal fluctuations in internet usage and advertiser expenditures, underlying business trends such as traditional retail seasonality (including developments and volatility arising from COVID-19), which are likely to cause fluctuations in our quarterly results;
- · the sufficiency of our sources of funding;
- · our potential exposure in connection with new and pending investigations, proceedings, and other contingencies;

• the sufficiency and timing of our proposed remedies in response to decisions from the European Commission ("EC") and other regulators and governmental entities:

- our expectations regarding the timing, design and implementation of our new global enterprise resource planning ("ERP") system;
- · the expected timing, amount, and impact of Alphabet Inc.'s share repurchases;
- · our long-term sustainability and diversity goals;
- our expectation that the change in the estimated useful life of servers and certain network equipment will have a favorable, yet declining, effect on our 2021 operating results;

as well as other statements regarding our future operations, financial condition and prospects, and business strategies. Forward-looking statements may appear throughout this report and other documents we file with the Securities and Exchange Commission ("SEC"), including without limitation, the following sections: Part I, Item 2, "Management's Discussion and Analysis of Financial Condition and Results of Operations" in this Quarterly Report on Form 10-Q and Part I, Item 1A, "Risk Factors" in our Annual Report on Form 10-K for the fiscal year ended December 31, 2020, as updated in this Quarterly Report on Form 10-Q. Forward-looking statements generally can be identified by words such as "anticipates," "believes," "estimates," "expects," "intends," "plans," "predicts," "projects," "will be," "will continue," "may," "could," "will likely result," and similar expressions. These forward-looking statements are based on current expectations and assumptions that are subject to risks and uncertainties, which could cause our actual results to differ materially from those reflected in the forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, those discussed in this Quarterly Report on Form 10-Q, and in particular, the risks discussed in Part I, Item 1A, "Risk Factors" in our Annual Report on Form 10-K for the fiscal year ended December 31, 2020, as updated in this Quarterly Report on Form 10-Q, and those discussed in other documents we file with the SEC. We undertake no obligation to revise or publicly release the results of any revision to these forward-looking statements, except as required by law. Given these risks and uncertainties, readers are cautioned not to place undue reliance on such forward-looking statements.

As used herein, "Alphabet," "the company," "we," "us," "our," and similar terms include Alphabet Inc. and its subsidiaries, unless the context indicates otherwise

"Alphabet," "Google," and other trademarks of ours appearing in this report are our property. This report contains additional trade names and trademarks of other companies. We do not intend our use or display of other companies' trade names or trademarks to imply an endorsement or sponsorship of us by such companies, or any relationship with any of these companies.

PART I. FINANCIAL INFORMATION ITEM 1. FINANCIAL STATEMENTS

Alphabet Inc.

CONSOLIDATED BALANCE SHEETS

(in millions, except share amounts which are reflected in thousands, and par value per share amounts)

	Dece	As of ember 31, 2020		As of June 30, 2021
Assets				(unaudited)
Current assets:				
Cash and cash equivalents	\$	26,465	\$	23.630
Marketable securities	Ψ	110.229	Ψ	112,233
Total cash, cash equivalents, and marketable securities	_	136,694	_	135.863
Accounts receivable, net		30,930		31,967
Income taxes receivable, net		454		884
Inventory		728		907
Other current assets		5.490		6.076
Total current assets		174.296		175.697
Non-marketable investments		20,703		25,532
Deferred income taxes		1,084		1,153
Property and equipment, net		84,749		91,697
Operating lease assets		12,211		12.978
Intangible assets, net		1,445		1,626
Goodwill		21,175		22,406
Other non-current assets		3,953		4,298
Total assets	\$	319,616	\$	335,387
Liabilities and Stockholders' Equity	Ψ	010,010	Ψ	000,007
Current liabilities:				
Accounts payable	\$	5.589	\$	4.708
Accrued compensation and benefits	Ψ	11,086	Ψ	10,088
Accrued expenses and other current liabilities		28,631		28,981
Accrued revenue share		7,500		7,438
Deferred revenue		2.543		2.715
Income taxes payable, net		1.485		1.811
Total current liabilities		56,834		55,741
Long-term debt		13,932		14,328
Deferred revenue, non-current		481		510
Income taxes payable, non-current		8,849		8.651
Deferred income taxes		3.561		4.703
Operating lease liabilities		11,146		11,619
Other long-term liabilities		2.269		2,270
Total liabilities		97,072		97,822
Contingencies (Note 9)		91,012		91,022
Stockholders' equity:				
Convertible preferred stock, \$0.001 par value per share: 100,000 shares authorized; no shares issue	ıod			
and outstanding		0		0
Class A and Class B common stock, and Class C capital stock and additional paid-in capital, \$ 0.00 par value per share: 15,000,000 shares authorized (Class A 9,000,000, Class B 3,000,000, Class B 3,000,000); 675,222 (Class A 300,730, Class B 45,843, Class C 328,649) and 667,637 (Class A 301,040, Class B 45,546, Class C 321,051) shares issued and outstanding		58,510		60,436
Accumulated other comprehensive income (loss)		633		190
Retained earnings		163,401		176,939
Total stockholders' equity		222,544		237,565
Total liabilities and stockholders' equity	\$	319,616	\$	335,387

Alphabet Inc. CONSOLIDATED STATEMENTS OF INCOME (in millions, except per share amounts; unaudited) Three Months Ended

		Three Mor Jun	nths I ne 30,			Six Months Ended June 30,						
		2020		2021		2020		2021				
Revenues	\$	38,297	\$	61,880	\$	79,456	\$	117,194				
Costs and expenses:												
Cost of revenues		18,553		26,227		37,535		50,330				
Research and development		6,875		7,675		13,695		15,160				
Sales and marketing		3,901		5,276		8,401		9,792				
General and administrative		2,585		3,341		5,465		6,114				
Total costs and expenses		31,914		42,519		65,096		81,396				
Income from operations		6,383		19,361		14,360		35,798				
Other income (expense), net		1,894		2,624		1,674		7,470				
Income before income taxes		8,277		21,985		16,034		43,268				
Provision for income taxes		1,318		3,460		2,239		6,813				
Net income	\$	6,959	\$	18,525	\$	13,795	\$	36,455				
Basic net income per share of Class A and B common stock and Class C capit stock	tal \$	10.21	\$	27.69	\$	20.16	\$	54.32				
Diluted net income per share of Class A and B common stock and Class C capital stock	\$	10.13	\$	27.26	\$	20.00	\$	53.54				

Alphabet Inc. CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (in millions; unaudited)

		Three Mor	nths E e 30,	Inded	Six Months Ended June 30,					
		2020	 	2021	 2020		2021			
Net income	\$	6,959	\$	18,525	\$ 13,795	\$	36,455			
Other comprehensive income (loss):										
Change in foreign currency translation adjustment		284		366	(266)		(57)			
Available-for-sale investments:										
Change in net unrealized gains (losses)		867		(52)	1,365		(540)			
Less: reclassification adjustment for net (gains) losses included in net income		(149)		(75)	(318)		(64)			
Net change, net of income tax benefit (expense) of \$(220), \$37, \$(301) and \$172		718		(127)	1,047		(604)			
Cash flow hedges:										
Change in net unrealized gains (losses)		(86)		(42)	292		137			
Less: reclassification adjustment for net (gains) losses included in net income		(115)		(4)	(137)		81			
Net change, net of income tax benefit (expense) of \$ 35, \$15, \$(46) and \$(35)		(201)		(46)	155		218			
Other comprehensive income (loss)		801		193	936		(443)			
Comprehensive income	\$	7,760	\$	18,718	\$ 14,731	\$	36,012			

Alphabet Inc. CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY

(In millions, except share amounts which are reflected in thousands; unaudited)

Balance as of March 31, 2020

and other

Net income

Balance as of June 30, 2020

Common and capital stock issued

Repurchases of capital stock

Stock-based compensation expense

Sale of interest in consolidated entities

Other comprehensive income (loss)

Three Months Ended June 30, 2020 Class A and Class B Common Stock, Class C Capital Stock and Additional Paid-In Capital Accumulated Other Comprehensive Income (Loss) Total Stockholders' Equity Retained Earnings Shares Amount 203,659 683,972 \$ 151,068 \$ 53,688 (1,097) 2,391 37 0 0 37 0 3,413 0 0 3,413 Tax withholding related to vesting of restricted stock units 0 0 (1,558)0 (1,558)(6,346)(5,148)(506)0 (6,852)0 863 0 0 863

0

801

(296)

6,959

151,681 \$

0

6,959

801 207,322

0

0

55,937

		Six Months Ended June 30, 2020												
		Class A an Common Stock, Cla an Additional Pa	ass C Capital Stock			Accumulated Other Comprehensive	Retained			Total Stockholders'				
		Shares		Amount		Income (Loss)	Earnings			Equity				
Ва	lance as of December 31, 2019	688,335	\$	50,552	\$	(1,232)	\$	152,122	\$	201,442				
	Common and capital stock issued	4,516		143		0		0		143				
	Stock-based compensation expense	0		6,635		0		0		6,635				
	Tax withholding related to vesting of restricted stock units and other	0		(2,737)		0		0		(2,737)				
	Repurchases of capital stock	(11,636)		(1,112)		0		(14,236)		(15,348)				
	Sale of interest in consolidated entities	0		2,456		0		0		2,456				
	Net income	0		0		0		13,795		13,795				
	Other comprehensive income (loss)	0		0		936		0		936				
Ва	lance as of June 30, 2020	681,215	\$	55,937	\$	(296)	\$	151,681	\$	207,322				

0

0

681,215

	Three Months Ended June 30, 2021												
	Class A an Common Stock, Cla an Additional Pa	iss id	C Capital Stock		Accumulated Other Comprehensive	Retained		Total Stockholders'					
	Shares	Amount		Income (Loss)		Earnings		Equity					
Balance as of March 31, 2021	671,094	\$	59,436	\$	(3)	\$	170,580	\$	230,013				
Common and capital stock issued	1,919		1		0		0		1				
Stock-based compensation expense	0		3,844		0		0		3,844				
Tax withholding related to vesting of restricted stock units and other	0		(2,515)		0		0		(2,515)				
Repurchases of capital stock	(5,376)		(630)		0		(12,166)		(12,796)				
Sale of interest in consolidated entities	0		300		0		0		300				
Net income	0		0		0		18,525		18,525				
Other comprehensive income (loss)	0		0		193		0		193				
Balance as of June 30, 2021	667,637	\$	60,436	\$	190	\$	176,939	\$	237,565				

	Six Months Ended June 30, 2021												
	Common Stock, Cla	lass A and Class B tock, Class C Capital Stock and Other itional Paid-In Capital Comprehensive Retained					Retained		Total Stockholders'				
	Shares	Amount		Income (Loss)		Earnings		Equity					
Balance as of December 31, 2020	675,222	\$	58,510	\$	633	\$	163,401	\$	222,544				
Common and capital stock issued	3,488		7		0		0		7				
Stock-based compensation expense	0		7,632		0		0		7,632				
Tax withholding related to vesting of restricted stock units and other	0		(4,749)		0		0		(4,749)				
Repurchases of capital stock	(11,073)		(1,274)		0		(22,917)		(24,191)				
Sale of interest in consolidated entities	0		310		0		0		310				
Net income	0		0		0		36,455		36,455				
Other comprehensive income (loss)	0		0		(443)		0		(443)				
Balance as of June 30, 2021	667,637	\$	60,436	\$	190	\$	176,939	\$	237,565				

Alphabet Inc. CONSOLIDATED STATEMENTS OF CASH FLOWS (in millions; unaudited)

Six Months Ended

Operating activities Net income \$ Adjustments: Depreciation and impairment of property and equipment Amortization and impairment of intangible assets Stock-based compensation expense Deferred income taxes Gain on debt and equity securities, net Other Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities Maturities and sales of marketable securities	13,795 \$ 6,077 417	36,455
Net income \$ Adjustments: Depreciation and impairment of property and equipment Amortization and impairment of intangible assets Stock-based compensation expense Deferred income taxes Gain on debt and equity securities, net Other Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	6,077 417	36,455
Adjustments: Depreciation and impairment of property and equipment Amortization and impairment of intangible assets Stock-based compensation expense Deferred income taxes Gain on debt and equity securities, net Other Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	6,077 417	36,455
Depreciation and impairment of property and equipment Amortization and impairment of intangible assets Stock-based compensation expense Deferred income taxes Gain on debt and equity securities, net Other Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	417	
Amortization and impairment of intangible assets Stock-based compensation expense Deferred income taxes Gain on debt and equity securities, net Other Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	417	
Stock-based compensation expense Deferred income taxes Gain on debt and equity securities, net Other Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities		5,255
Deferred income taxes Gain on debt and equity securities, net Other Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities		443
Gain on debt and equity securities, net Other Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	6,573	7,548
Other Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	(416)	1,479
Changes in assets and liabilities, net of effects of acquisitions: Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	(1,040)	(7,634)
Accounts receivable Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	669	(263)
Income taxes, net Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities		
Other assets Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	2,522	(867)
Accounts payable Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	538	(297)
Accrued expenses and other liabilities Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	(359)	(192)
Accrued revenue share Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	(689)	(1,112)
Deferred revenue Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	(2,099)	201
Net cash provided by operating activities Investing activities Purchases of property and equipment Purchases of marketable securities	(692)	29
Investing activities Purchases of property and equipment Purchases of marketable securities	148	134
Purchases of property and equipment Purchases of marketable securities	25,444	41,179
Purchases of marketable securities		
	(11,396)	(11,438)
Maturities and sales of marketable securities	(64,111)	(60,609)
	65,874	60,667
Purchases of non-marketable investments	(1,311)	(1,412)
Maturities and sales of non-marketable investments	473	256
Acquisitions, net of cash acquired, and purchases of intangible assets	(355)	(1,974)
Other investing activities	531	53
Net cash used in investing activities	(10,295)	(14,457)
Financing activities	<u> </u>	
Net payments related to stock-based award activities	(2,716)	(4,637)
Repurchases of capital stock	(15,348)	(24,191)
Proceeds from issuance of debt, net of costs	1,898	7,599
Repayments of debt	(1,982)	(8,678)
Proceeds from sale of interest in consolidated entities, net	2,464	310
Net cash used in financing activities	(15,684)	(29,597)
Effect of exchange rate changes on cash and cash equivalents	(221)	40
Net decrease in cash and cash equivalents	(756)	(2,835)
Cash and cash equivalents at beginning of period	18,498	26,465
Cash and cash equivalents at end of period \$	17,742 \$	23,630

Alphabet Inc. NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Unaudited)

Note 1. Nature of Operations and Summary of Significant Accounting Policies

Nature of Operations

Google was incorporated in California in September 1998 and re-incorporated in the State of Delaware in August 2003. In 2015, we implemented a holding company reorganization, and as a result, Alphabet became the successor issuer to Google.

We generate revenues by delivering relevant, cost-effective online advertising, cloud-based solutions that provide customers with platforms, collaboration tools and services, and sales of other products and services, such as apps and in-app purchases, digital content and subscriptions for digital content, and hardware.

Basis of Consolidation

The consolidated financial statements of Alphabet include the accounts of Alphabet and entities consolidated under the variable interest and voting models. All intercompany balances and transactions have been eliminated.

Unaudited Interim Financial Information

The Consolidated Balance Sheet as of June 30, 2021, the Consolidated Statements of Income for the three and six months ended June 30, 2020 and 2021, the Consolidated Statements of Comprehensive Income for the three and six months ended June 30, 2020 and 2021, the Consolidated Statements of Stockholders' Equity for the three and six months ended June 30, 2020 and 2021 are unaudited. These unaudited interim consolidated financial statements have been prepared in accordance with generally accepted accounting principles in the United States ("GAAP"). In our opinion, the unaudited interim consolidated financial statements include all adjustments of a normal recurring nature necessary for the fair presentation of our financial position as of June 30, 2021, our results of operations for the three and six months ended June 30, 2020 and 2021, and our cash flows for the six months ended June 30, 2020 and 2021. The results of operations for the three and six months ended June 30, 2021 are not necessarily indicative of the results to be expected for the year ending December 31, 2021.

These unaudited interim consolidated financial statements should be read in conjunction with the consolidated financial statements and the related notes included in our Annual Report on Form 10-K for the fiscal year ended December 31, 2020 filed with the SEC.

Use of Estimates

Preparation of consolidated financial statements in conformity with GAAP requires us to make estimates and assumptions that affect the amounts reported and disclosed in the financial statements and the accompanying notes. Actual results could differ materially from these estimates. On an ongoing basis, we evaluate our estimates, including those related to the allowance for credit losses, fair values of financial instruments, intangible assets and goodwill, useful lives of intangible assets and property and equipment, income taxes, and contingent liabilities, among others. We base our estimates on assumptions, both historical and forward looking, that are believed to be reasonable, the results of which form the basis for making judgments about the carrying values of assets and liabilities.

The allowance for credit losses on accounts receivable was \$789 million and \$579 million as of December 31, 2020 and June 30, 2021, respectively.

Change in Accounting Estimate

In January 2021, we completed an assessment of the useful lives of our servers and network equipment and adjusted the estimated useful life of our servers from three years to four years and the estimated useful life of certain network equipment from three years to five years. This change in accounting estimate was effective beginning in fiscal year 2021. Based on the carrying value of servers and certain network equipment as of December 31, 2020, and those acquired during the six months ended June 30, 2021, the effect of this change in estimate was a reduction in depreciation expense of \$721 million and \$1.6 billion and an increase in net income of \$561 million and \$1.2 billion, or \$0.84 and \$1.81 per basic and \$0.83 and \$1.78 per diluted share, for the three and six months ended June 30, 2021, respectively.

Prior Period Reclassifications

Certain amounts in prior periods have been reclassified to conform with current period presentation.

Note 2. Revenues

Revenue Recognition

The following table presents our revenues disaggregated by type (in millions).

	 Three Mor Jun	nths Ei ie 30,	nded		Six Mont Jun	hs Er e 30,	nded		
	 2020		2021		2021		2020		2021
Google Search & other	\$ 21,319	\$	35,845	\$	45,821	\$	67,724		
YouTube ads	3,812		7,002		7,850		13,007		
Google Network	4,736		7,597		9,959		14,397		
Google advertising	 29,867		50,444		63,630		95,128		
Google other	5,124		6,623		9,559		13,117		
Google Services total	 34,991		57,067		73,189		108,245		
Google Cloud	3,007		4,628		5,784		8,675		
Other Bets	148		192		283		390		
Hedging gains (losses)	151		(7)		200		(116)		
Total revenues	\$ 38,297	\$	61,880	\$	79,456	\$	117,194		

The following table presents our revenues disaggregated by geography, based on the addresses of our customers (in millions):

		Three Mon		nded				nded			
	2020		2021				2020		2021		
United States	\$ 17,999	47 %	\$	28,208	46 %	\$	36,869	47 %	\$	53,240	45 %
EMEA ⁽¹⁾	11,363	30		19,084	31		24,208	30		36,115	31
APAC ⁽¹⁾	6,945	18		11,231	18		14,183	18		21,686	19
Other Americas ⁽¹⁾	1,839	5		3,364	5		3,996	5		6,269	5
Hedging gains (losses)	151	0		(7)	0		200	0		(116)	0
Total revenues	\$ 38,297	100 %	\$	61,880	100 %	\$	79,456	100 %	\$	117,194	100 %

⁽¹⁾ Regions represent Europe, the Middle East, and Africa ("EMEA"); Asia-Pacific ("APAC"); and Canada and Latin America ("Other Americas").

Deferred Revenues and Remaining Performance Obligations

We record deferred revenues when cash payments are received or due in advance of our performance, including amounts which are refundable. Deferred revenues primarily relate to Google Cloud and Google other. Our total deferred revenue was \$3.0 billion and \$3.2 billion as of December 31, 2020 and June 30, 2021, respectively. Of the total deferred revenue as of December 31, 2020, \$1.8 billion was recognized as revenues during the six months ended June 30, 2021.

Additionally, we have performance obligations associated with commitments in customer contracts, primarily related to Google Cloud, for future services that have not yet been recognized as revenues, also referred to as remaining performance obligations. Remaining performance obligations include related deferred revenue currently recorded as well as amounts that will be invoiced in future periods, and excludes (i) contracts with an original expected term of one year or less, (ii) cancellable contracts, and (iii) contracts for which we recognize revenue at the amount to which we have the right to invoice for services performed. As of June 30, 2021, the amount not yet recognized as revenues from these commitments was \$35.3 billion. We expect to recognize approximately half over the next 24 months with the remaining thereafter. However, the amount and timing of revenue recognition is largely driven by when the customer utilizes the services and our ability to deliver in accordance with relevant contract terms, which could affect our estimate of the remaining performance obligations and when we expect to recognize such as revenues.

Note 3. Financial Instruments

Debt Securities

We classify our marketable debt securities, which are accounted for as available-for-sale, within Level 2 in the fair value hierarchy because we use quoted market prices to the extent available or alternative pricing sources and models utilizing market observable inputs to determine fair value.

For certain marketable debt securities, we have elected the fair value option for which changes in fair value are recorded in other income (expense), net. The fair value option was elected for these securities to align with the unrealized gains and losses from related derivative contracts. Unrealized net gains related to debt securities still held where we have elected the fair value option were \$87 million and \$52 million as of December 31, 2020 and June 30, 2021, respectively. As of December 31, 2020 and June 30, 2021, the fair value of these debt securities was \$2.0 billion and \$2.8 billion, respectively.

The following tables summarize our debt securities, for which we did not elect the fair value option, by significant investment categories (in millions):

	As of December 31, 2020												
	Adjusted Cost		ı	Gross Unrealized Gains		Gross Unrealized Losses	Fair Value		Cash and Cash Equivalents			larketable Securities	
Level 2:													
Time deposits ⁽¹⁾	\$	3,564	\$	0	\$	0	\$	3,564	\$	3,564	\$	0	
Government bonds		55,156		793		(9)		55,940		2,527		53,413	
Corporate debt securities		31,521		704		(2)		32,223		8		32,215	
Mortgage-backed and asset-backed securities		16,767		364		(7)		17,124		0		17,124	
Total	\$	107,008	\$	1,861	\$	(18)	\$	108,851	\$	6,099	\$	102,752	

				As of Jur	ie 30	0, 2021		
	 Adjusted Cost	ι	Gross Jnrealized Gains	Gross Unrealized Losses		Fair Value	sh and Cash quivalents	Marketable Securities
Level 2:				 _				
Time deposits ⁽¹⁾	\$ 6,311	\$	0	\$ 0	\$	6,311	\$ 6,311	\$ 0
Government bonds	50,959		497	(50)		51,406	404	51,002
Corporate debt securities	34,476		444	(41)		34,879	0	34,879
Mortgage-backed and asset-backed securities	17,098		199	(33)		17,264	0	17,264
Total	\$ 108,844	\$	1,140	\$ (124)	\$	109,860	\$ 6,715	\$ 103,145

⁽¹⁾ The majority of our time deposits are domestic deposits.

We determine realized gains or losses on the sale or extinguishment of debt securities on a specific identification method. We recognized gross realized gains of \$306 million and \$116 million for the three months ended June 30, 2020 and 2021, respectively, and \$ 563 million and \$251 million for the six months ended June 30, 2020 and 2021, respectively. We recognized gross realized losses of \$88 million and \$15 million for the three months ended June 30, 2020 and 2021, respectively, and \$127 million and \$151 million for the six months ended June 30, 2020 and 2021, respectively. We reflect these gains and losses as a component of other income (expense), net.

The following table summarizes the estimated fair value of our investments in marketable debt securities by stated contractual maturity dates (in millions):

	As of June 30, 2021
Due in 1 year or less	\$ 20,663
Due in 1 year through 5 years	69,749
Due in 5 years through 10 years	3,297
Due after 10 years	 12,245
Total	\$ 105,954

The following tables present fair values and gross unrealized losses recorded to AOCI, aggregated by investment category and the length of time that individual securities have been in a continuous loss position (in millions):

					As of Dece	mbe	er 31, 2020				
		Less than	n 12 N	/lonths	12 Month	s or	Greater		To	otal	
	Fa	air Value	ι	Jnrealized Loss	Fair Value		Unrealized Loss	ı	air Value	ι	Inrealized Loss
Government bonds	\$	5,516	\$	(9)	\$ 3	\$	0	\$	5,519	\$	(9)
Corporate debt securities		1,999		(1)	0		0		1,999		(1)
Mortgage-backed and asset-backed securities		929		(5)	242		(2)		1,171		(7)
Total	\$	8,444	\$	(15)	\$ 245	\$	(2)	\$	8,689	\$	(17)

					As of Jui	1e 3	0, 2021				
		Less than	12 N	Months	12 Months	s or	Greater		To	otal	
	ı	Fair Value		Unrealized Loss	Fair Value		Unrealized Loss	ı	Fair Value	ι	Inrealized Loss
Government bonds	\$	19,730	\$	(50)	\$ 0	\$	0	\$	19,730	\$	(50)
Corporate debt securities		9,681		(24)	0		0		9,681		(24)
Mortgage-backed and asset-backed securities		5,044		(32)	174		(1)		5,218		(33)
Total	\$	34,455	\$	(106)	\$ 174	\$	(1)	\$	34,629	\$	(107)

During the three and six months ended June 30, 2020 and 2021, we did not recognize any significant credit losses and the ending allowance balances for credit losses were immaterial as of December 31, 2020 and June 30, 2021.

Equity Investments

The following discusses our marketable equity securities, non-marketable equity securities, gains and losses on marketable and non-marketable equity securities, as well as our equity securities accounted for under the equity method.

Our marketable equity securities are publicly traded stocks or funds measured at fair value and classified within Level 1 and 2 in the fair value hierarchy because we use quoted prices for identical assets in active markets or inputs that are based upon quoted prices for similar instruments in active markets.

Our non-marketable equity securities are investments in privately held companies without readily determinable market values. The carrying value of our non-marketable equity securities is adjusted to fair value upon observable transactions for identical or similar investments of the same issuer or impairment (referred to as the measurement alternative). Non-marketable equity securities that have been remeasured during the period based on observable transactions are classified within Level 2 or Level 3 in the fair value hierarchy because we estimate the value based on valuation methods which may include a combination of the observable transaction price at the transaction date and other unobservable inputs including volatility, rights, and obligations of the securities we hold. The fair value of non-marketable equity securities that have been remeasured due to impairment are classified within Level 3.

Gains and losses on marketable and non-marketable equity securities

Gains and losses reflected in other income (expense), net, for our marketable and non-marketable equity securities are summarized below (in millions):

	Three Mor Jun	nths E e 30,	inded	Six Mont June	ded
	2020		2021	2020	2021
Net gain (loss) on equity securities sold during the period	\$ 18	\$	138	\$ 233	\$ 506
Net unrealized gain (loss) on equity securities held as of the end of the period	1,437		2,634	408	7,103
Total gain (loss) recognized in other income (expense), net	\$ 1,455	\$	2,772	\$ 641	\$ 7,609

In the table above, net gain (loss) on equity securities sold during the period reflects the difference between the sale proceeds and the carrying value of the equity securities at the beginning of the period or the purchase date, if later.

Cumulative net gains (losses) on equity securities sold during the period, which is summarized in the following table (in millions), represents the total net gains (losses) recognized after the initial purchase date of the equity security. While these net gains may have been reflected in periods prior to the period of sale, we believe they are important supplemental information as they reflect the economic realized net gains on the securities sold during the period. Cumulative net gains are calculated as the difference between the sale price and the initial purchase price for the equity security sold during the period.

			Equity Sec	uritie	s Sold		
	Three Mor	nths E e 30,	nded		Six Mont Jun	hs E e 30,	nded
	2020		2021		2020		2021
Total sale price	\$ 590	\$	2,629	\$	1,499	\$	3,353
Total initial cost	424		409		685		766
Cumulative net gains ⁽¹⁾	\$ 166	\$	2,220	\$	814	\$	2,587

⁽¹⁾ Cumulative net gains excludes cumulative losses of \$684 million resulting from our equity derivatives, which hedged the changes in fair value of certain marketable equity securities sold during the second quarter of 2021. The associated derivative liabilities arising from these losses were settled against our holdings of the underlying equity securities.

Carrying value of marketable and non-marketable equity securities

The carrying value is measured as the total initial cost plus the cumulative net gain (loss). The carrying values for our marketable and non-marketable equity securities are summarized below (in millions):

			As o	f December 31, 2020	
	Mar	ketable Securities		Non-Marketable Securities	Total
Total initial cost	\$	2,227	\$	14,616	\$ 16,843
Cumulative net gain (loss) (1)		3,631		4,277	7,908
Carrying value ⁽²⁾	\$	5,858	\$	18,893	\$ 24,751

⁽¹⁾ Non-marketable equity securities cumulative net gain (loss) is comprised of \$6.1 billion unrealized gains and \$1.9 billion unrealized losses (including impairment).

The long-term portion of marketable equity securities of \$429 million is included within other non-current assets.

			As of June 30, 2021	
	Marketable Securities	;(2)	Non-Marketable Securities	Total
Total initial cost	\$ 2,66	2 \$	14,743	\$ 17,405
Cumulative net gain (loss) ⁽¹⁾	4,20	8	8,730	12,938
Carrying value ⁽²⁾	\$ 6,87	0 \$	23,473	\$ 30,343

⁽¹⁾ Non-marketable equity securities cumulative net gain (loss) is comprised of \$10.4 billion unrealized gains and \$1.7 billion unrealized losses (including impairment).

Marketable equity securities

The following table summarizes marketable equity securities measured at fair value by significant investment categories (in millions):

	As of Decen	nber	r 31, 2020	As of Jun	e 30	, 2021
	and Cash ivalents		Marketable Securities	 Cash and Cash Equivalents		Marketable Securities
Level 1:				-		
Money market funds	\$ 12,210	\$	0	\$ 9,516	\$	0
Marketable equity securities (1)(2)	0		5,470	0		6,514
	12,210		5,470	9,516		6,514
Level 2:						
Mutual funds	0		388	0		356
Total	\$ 12,210	\$	5,858	\$ 9,516	\$	6,870

⁽¹⁾ The balance as of December 31, 2020 and June 30, 2021 includes investments that were reclassified from non-marketable equity securities following the commencement of public market trading of the issuers or acquisition by public entities (certain of which are subject to short-term lock-up restrictions).

Non-marketable equity securities

The following is a summary of unrealized gains and losses recorded in other income (expense), net, and included as adjustments to the carrying value of non-marketable equity securities (in millions):

	Three Mor	nths	Ended	Six Mont	hs E	nded
	 Jun	e 30	,	 June	e 30,	
	2020		2021	2020		2021
Unrealized gains	\$ 189	\$	1,852	\$ 545	\$	5,128
Unrealized losses (including impairment)	(98)		(65)	(1,395)		(67)
Total unrealized gain (loss) for non-marketable equity securities	\$ 91	\$	1,787	\$ (850)	\$	5,061

During the three months ended June 30, 2021, included in the \$23.5 billion of non-marketable equity securities, \$4.7 billion were measured at fair value primarily based on observable market transactions, resulting in a net unrealized gain of \$1.8 billion.

Equity securities accounted for under the Equity Method

As of December 31, 2020 and June 30, 2021, equity securities accounted for under the equity method had a carrying value of approximately \$ 1.4 billion and \$1.6 billion, respectively. Our share of gains and losses including impairment are included as a component of other income (expense), net, in the Consolidated Statements of Income. See Note 6 for further details on other income (expense), net.

Derivative Financial Instruments

We enter into derivative instruments to manage risks relating to our ongoing business operations. The primary risk managed with derivative instruments is foreign exchange risk. We use foreign currency contracts to reduce the risk that our cash flows, earnings, and investment in foreign subsidiaries will be adversely affected by foreign

⁽²⁾ The long-term portion of marketable equity securities of \$591 million is included within other non-current assets.

As of December 31, 2020 and June 30, 2021 the long-term portion of marketable equity securities of \$429 million and \$591 million, respectively, is included within other non-current assets.

currency exchange rate fluctuations. We also enter into derivative instruments to partially offset our exposure to other risks and enhance investment returns

We recognize derivative instruments as either assets or liabilities in the Consolidated Balance Sheets at fair value and classify the derivatives primarily within Level 2 in the fair value hierarchy. We present our collar contracts (an option strategy comprised of a combination of purchased and written options) at net fair values where both the purchased and written options are with the same counterparty. For other derivative contracts, we present at gross fair values. We primarily record changes in the fair value in the Consolidated Statements of Income as either other income (expense), net, or revenues, or in the Consolidated Balance Sheets in AOCI, as discussed below.

We enter into master netting arrangements, which reduce credit risk by permitting net settlement of transactions with the same counterparty. Further, we enter into collateral security arrangements that provide for collateral to be received or pledged when the net fair value of certain financial instruments fluctuates from contractually established thresholds. Cash collateral received related to derivative instruments under our collateral security arrangements are included in other current assets with a corresponding liability. Cash and non-cash collateral pledged related to derivative instruments under our collateral security arrangements are included in other current assets.

Cash Flow Hedges

We designate foreign currency forward and option contracts (including collars) as cash flow hedges to hedge certain forecasted revenue transactions denominated in currencies other than the U.S. dollar. These contracts have maturities of 24 months or less.

Cash flow hedge amounts included in the assessment of hedge effectiveness are deferred in AOCI and subsequently reclassified to revenue when the hedged item is recognized in earnings. We exclude the change in forward points and time value from our assessment of hedge effectiveness. The initial value of the excluded component is amortized on a straight-line basis over the life of the hedging instrument and recognized in revenues. The difference between fair value changes of the excluded component and the amount amortized to revenues is recorded in AOCI. If the hedged transactions become probable of not occurring, the corresponding amounts in AOCI are reclassified to other income (expense), net in the period of de-designation.

As of June 30, 2021, the net accumulated gain on our foreign currency cash flow hedges before tax effect was \$ 87 million, which is expected to be reclassified from AOCI into earnings within the next 12 months.

Fair Value Hedges

We designate foreign currency forward contracts as fair value hedges to hedge foreign currency risks for our investments denominated in currencies other than the U.S. dollar. Fair value hedge amounts included in the assessment of hedge effectiveness are recognized in other income (expense), net, along with the offsetting gains and losses of the related hedged items. We exclude changes in forward points from the assessment of hedge effectiveness and recognize changes in the excluded component in other income (expense), net.

Net Investment Hedges

We designate foreign currency forward contracts as net investment hedges to hedge the foreign currency risks related to our investment in foreign subsidiaries. Net investment hedge amounts included in the assessment of hedge effectiveness are recognized in AOCI along with the foreign currency translation adjustment. We exclude changes in forward points from the assessment of hedge effectiveness and recognize changes in the excluded component in other income (expense), net.

Other Derivatives

Other derivatives not designated as hedging instruments consist primarily of foreign currency forward contracts that we use to hedge intercompany transactions and other monetary assets or liabilities denominated in currencies other than the functional currency of a subsidiary. Gains and losses on these contracts, as well as the related costs, are recognized in other income (expense), net, along with the foreign currency gains and losses on monetary assets and liabilities.

We also use derivatives not designated as hedging instruments to manage risks relating to interest rates, commodity prices, credit exposures and to enhance investment returns. Additionally, from time to time, we enter into derivatives to hedge the market price risk on certain of our marketable equity securities. Gains (losses) arising from these derivatives are reflected within the "other" component of other income (expense), net and the offsetting recognized gains (losses) on the marketable equity securities are reflected within the gain (loss) on equity

securities, net component of other income (expense), net. See Note 6 for further details on other income (expense), net.

The gross notional amounts of our outstanding derivative instruments were as follows (in millions):

	As of December	er 31, 2020	As of June 30, 2021
Derivatives Designated as Hedging Instruments:			
Foreign exchange contracts			
Cash flow hedges	\$	10,187	\$ 15,941
Fair value hedges	\$	1,569	\$ 2,578
Net investment hedges	\$	9,965	\$ 10,167
Derivatives Not Designated as Hedging Instruments:			
Foreign exchange contracts	\$	39,861	\$ 43,795
Other contracts	\$	2,399	\$ 2,933

The fair values of our outstanding derivative instruments were as follows (in millions):

				As of Decen	nber 31, 2020		
	Balance Sheet Location	Desig	of Derivatives gnated as Instruments	Der De:	nir Value of ivatives Not signated as ng Instruments	Tota	I Fair Value
Derivative Assets:							
Level 2:							
Foreign exchange contracts	Other current and non-current assets	\$	33	\$	316	\$	349
Other contracts	Other current and non-current assets		0		16		16
Total		\$	33	\$	332	\$	365
Derivative Liabilities:				-		-	
Level 2:							
Foreign exchange contracts	Accrued expenses and other liabilities, current and non-current	\$	395	\$	185	\$	580
Other contracts	Accrued expenses and other liabilities, current and non-current		0		942		942
Total		\$	395	\$	1,127	\$	1,522
			/alue of		e 30, 2021 ir Value of vatives Not		
	Balance Sheet Location	Desig	nated as Instruments	Des	signated as g Instruments	Tota	l Fair Value
Derivative Assets:	Balance Sheet Location	Desig	nated as	Des	signated as	Tota	l Fair Value
Derivative Assets: Level 2:	Balance Sheet Location	Desig	nated as	Des	signated as	Tota	l Fair Value
<u>Level 2:</u> Foreign exchange	Balance Sheet Location Other current and non-current assets	Desig	nated as	Des	signated as	Tota	
<u>evel 2:</u> Foreign exchange contracts		Desig Hedging	nated as Instruments	Des Hedgin	signated as ig Instruments		1 Fair Value 470 39
Level 2: Foreign exchange contracts	Other current and non-current assets	Desig Hedging	nated as Instruments	Des Hedgin	signated as g Instruments		470
Level 2: Foreign exchange contracts Other contracts Total	Other current and non-current assets	Desig Hedging	nated as Instruments 355	Des Hedgin	ignated as g Instruments 115 39	\$	470 39
Level 2: Foreign exchange contracts Other contracts	Other current and non-current assets	Desig Hedging	nated as Instruments 355	Des Hedgin	ignated as g Instruments 115 39	\$	470 39
Level 2: Foreign exchange contracts Other contracts Total Derivative Liabilities: Level 2: Foreign exchange	Other current and non-current assets	Desig Hedging	nated as Instruments 355	Des Hedgin	ignated as g Instruments 115 39	\$	470 39
Level 2: Foreign exchange contracts Other contracts Total Derivative Liabilities:	Other current and non-current assets Other current and non-current assets Accrued expenses and other liabilities, current	Desig Hedging	355 0 355	Des Hedgin	signated as g Instruments 115 39 154	\$	470 39 509

The gains (losses) on derivatives in cash flow hedging and net investment hedging relationships recognized in other comprehensive income ("OCI") are summarized below (in millions):

	Gains (Losses) Recognized in OCI on Derivatives Before Tax Effect									
		Three Months June 30			ths Ended e 30,					
		2020	2021	2020	2021					
Derivatives in Cash Flow Hedging Relationship:										
Foreign exchange contracts										
Amount included in the assessment of effectiveness	\$	(44) \$	(60)	\$ 368	\$ 102					
Amount excluded from the assessment of effectiveness		(49)	(4)	3	45					
Derivatives in Net Investment Hedging Relationship:										
Foreign exchange contracts										
Amount included in the assessment of effectiveness		(121)	(179)	(41)	199					
Total	\$	(214) \$	(243)	\$ 330	\$ 346					

The effect of derivative instruments on income is summarized below (in millions):

	Gains (Losses) Recognized in Income									
				Three Mon	ths	Ended				
				June	e 30),				
		2	020			20	021			
		Revenues		Other income (expense), net		Revenues		Other income (expense), net		
Total amounts presented in the Consolidated Statements of Income in which the effects of cash flow and fair value hedges are recorded	e \$	38,297	\$	1,894	\$	61,880	\$	2,624		
Gains (Losses) on Derivatives in Cash Flow Hedging Relationship:										
Foreign exchange contracts										
Amount of gains (losses) reclassified from AOCI to income	\$	140	\$	0	\$	(3)	\$	0		
Amount excluded from the assessment of effectiveness recognized in earnings based on an amortization approach		11		0		(4)		0		
Gains (Losses) on Derivatives in Fair Value Hedging Relationship:										
Foreign exchange contracts										
Hedged items		0		9		0		28		
Derivatives designated as hedging instruments		0		(9)		0		(28)		
Amount excluded from the assessment of effectiveness		0		1		0		2		
Gains (Losses) on Derivatives in Net Investment Hedging Relationship:										
Foreign exchange contracts										
Amount excluded from the assessment of effectiveness		0		33		0		21		
Gains (Losses) on Derivatives Not Designated as Hedging Instruments:										
Foreign exchange contracts		0		(69)		0		(64)		
Other Contracts		0		(211)		0		(142)		
Total gains (losses)	\$	151	\$	(246)	\$	(7)	\$	(183)		

	Gains (Losses) Recognized in Income									
				Six Mont	hs l	Ended				
				Jun	e 30),				
	2020							2021		
				Other income (expense), net		Revenues		Other income (expense), net		
Total amounts presented in the Consolidated Statements of Income in which the effects of cash flow and fair value hedges are recorded	\$	79,456	\$	1,674	\$	117,194	\$	7,470		
Gains (Losses) on Derivatives in Cash Flow Hedging Relationship:										
Foreign exchange contracts										
Amount of gains (losses) reclassified from AOCI to income	\$	166	\$	0	\$	(108)	\$	0		
Amount excluded from the assessment of effectiveness recognized in earnings based on an amortization approach		34		0		(8)		0		
Gains (Losses) on Derivatives in Fair Value Hedging Relationship:										
Foreign exchange contracts										
Hedged items		0		(8)		0		28		
Derivatives designated as hedging instruments		0		8		0		(28)		
Amount excluded from the assessment of effectiveness		0		2		0		4		
Gains (Losses) on Derivatives in Net Investment Hedging Relationship:										
Foreign exchange contracts										
Amount excluded from the assessment of effectiveness		0		111		0		41		
Gains (Losses) on Derivatives Not Designated as Hedging Instruments:										
Foreign exchange contracts		0		160		0		(404)		
Other Contracts		0		(239)		0		181		
Total gains (losses)	\$	200	\$	34	\$	(116)	\$	(178)		

Offsetting of Derivatives

The gross amounts of our derivative instruments subject to master netting arrangements with various counterparties, and cash and non-cash collateral received and pledged under such agreements were as follows (in millions):

Offsetting of Assets

						As	of Dece	ember 31, 2020						
							Gross Amounts Not Offset in the Consolidated Balance Sheets, but Have Legal Rights to Offset							
	of Re	Amounts cognized ssets	Gross Am Offset in Consolic Balance S	the lated	the Con	sented in solidated e Sheets	lı	Financial struments		Cash ollateral eceived		Non-Cash Collateral Received		Assets oosed
Derivatives	\$	397	\$	(32)	\$	365	\$	(295) (1)	\$	(16)	\$	0	\$	54
	As of June 30, 2021													
							Gr	oss Amounts No Sheets, but						
	of Re	Amounts cognized ssets	Gross Am Offset in Consolic Balance S	the lated	the Con	sented in solidated e Sheets	Financial Instruments		Cash Collateral Received			Non-Cash Collateral Received		Assets oosed
Derivatives	\$	554	\$	(45)	\$	509	\$	(208) (1)	\$	(190)	\$	0	\$	111

⁽¹⁾ The balances as of December 31, 2020 and June 30, 2021 were related to derivative liabilities which are allowed to be net settled against derivative assets in accordance with our master netting agreements.

Offsetting of Liabilities

				As	of Decen	nber 31, 2020						
			Gross Amounts Not Offset in the Consolidated Balance Sheets, but Have Legal Rights to Offset									
	Gross Amou of Recogniz Liabilities	ed Consolidated	Net Pro	esented in nsolidated ce Sheets		nancial truments		Collateral edged	C	on-Cash ollateral Pledged	Net Li	abilities
Derivatives	\$ 1,5	54 \$ (32	2) \$	1,522	\$	(295) (2)	\$	(1)	\$	(943)	\$	283
				A	As of Jun	e 30, 2021						
					Gros	ss Amounts No Sheets, but						
	Gross Amounts Gross Amounts Offset in the of Recognized Consolidated Liabilities Balance Sheets Balance Sheets		nsolidated		nancial truments		Collateral edged	Non-Cash Collateral Pledged		Net Li	abilities	
Derivatives	\$ 41	00 \$ (45	2 (3	355	\$	(208) (2)	\$	(2)	\$	(86)	\$	59

⁽²⁾ The balances as of December 31, 2020 and June 30, 2021 were related to derivative assets which are allowed to be net settled against derivative liabilities in accordance with our master netting agreements.

Note 4. Variable Interest Entities

Consolidated VIEs

We consolidate VIEs in which we hold a variable interest and are the primary beneficiary. The results of operations and financial position of these VIEs are included in our consolidated financial statements.

For certain consolidated VIEs, their assets are not available to us and their creditors do not have recourse to us. As of December 31, 2020 and June 30, 2021, assets that can only be used to settle obligations of these VIEs were \$5.7 billion and \$7.3 billion, respectively. The liabilities for which creditors only have recourse to the VIEs were \$2.3 billion for both periods.

Total noncontrolling interests ("NCI"), including redeemable noncontrolling interests ("RNCI"), in our consolidated subsidiaries was \$ 3.9 billion and \$4.4 billion as of December 31, 2020 and June 30, 2021, respectively. NCI and RNCI are included within additional paid-in capital. Net loss attributable to noncontrolling interests was not material for any period presented and is included within the "other" component of other income (expense), net. See Note 6 for further details on other income (expense), net.

Wavmo

In June 2021, Waymo, a consolidated VIE, completed an investment round with additional funding of \$ 2.5 billion, the majority of which represented investment from Alphabet. The investments from external parties were accounted for as equity transactions and resulted in recognition of noncontrolling interests. Waymo is a self-driving technology development company with a mission to make it safe and easy for people and things to get where they're going.

Unconsolidated VIEs

We have investments in some VIEs in which we are not the primary beneficiary. These VIEs include private companies that are primarily early stage companies and certain renewable energy entities in which activities involve power generation using renewable sources.

We have determined that the governance structures of these entities do not allow us to direct the activities that would significantly affect their economic performance. Therefore, we are not the primary beneficiary, and the results of operations and financial position of these VIEs are not included in our consolidated financial statements. We account for these investments as non-marketable equity investments or equity method investments.

VIEs are generally based on the current carrying value of the investments and any future funding commitments. We have determined that the single source of our exposure to these VIEs is our capital investments in them. The carrying value and maximum exposure of these unconsolidated VIEs were not material as of December 31, 2020 and June 30, 2021.

Note 5. Debt

Short-Term Debt

We have a debt financing program of up to \$5.0 billion through the issuance of commercial paper. Net proceeds from this program are used for general corporate purposes. We had no commercial paper outstanding as of December 31, 2020 and June 30, 2021.

Our short-term debt balance also includes the current portion of certain long-term debt.

Long-Term Debt

The total outstanding debt is summarized below (in millions, except percentages):

	Maturity	Coupon Rate	Effective Interest Rate	As of December 31, 2020		Ju	As of ne 30, 2021
Debt							
2011-2020 Notes Issuances	2024 - 2060	0.45% - 3.38%	0.57% - 3.38%	\$	14,000	\$	13,000
Future finance lease payments, net (1)					1,201		1,608
Total debt					15,201		14,608
Unamortized discount and debt issuance costs					(169)		(163)
Less: Current portion of Notes (2)					(999)		0
Less: Current portion future finance lease							
payments, net ⁽¹⁾⁽²⁾					(101)		(117)
Total long-term debt				\$	13,932	\$	14,328

⁽¹⁾ Net of imputed interest

Total current portion of long-term debt is included within other accrued expenses and current liabilities. See Note 6.

The notes in the table above are comprised of fixed-rate senior unsecured obligations and generally rank equally with each other. We may redeem the notes at any time in whole or in part at specified redemption prices. The effective interest rates are based on proceeds received with interest payable semi-annually.

The total estimated fair value of the outstanding notes, including the current portion, was approximately \$ 14.0 billion and \$12.4 billion as of December 31, 2020 and June 30, 2021, respectively. The fair value was determined based on observable market prices of identical instruments in less active markets and is categorized accordingly as Level 2 in the fair value hierarchy.

Credit Facility

As of June 30, 2021, we have \$10.0 billion of revolving credit facilities. No amounts were outstanding under the credit facilities as of December 31, 2020 and June 30, 2021.

In April 2021, we terminated the existing \$4.0 billion revolving credit facilities, which were scheduled to expire in July 2023, and entered into two new revolving credit facilities in the amounts of \$4.0 billion and \$6.0 billion, which will expire in April 2022 and April 2026, respectively. The interest rates for the new credit facilities are determined based on a formula using certain market rates, as well as our progress toward the achievement of certain sustainability goals. No amounts have been borrowed under the new credit facilities.

Note 6. Supplemental Financial Statement Information

Property and Equipment, Net

Property and equipment, net, consisted of the following (in millions):

	As of December 31, 2020		As of June 30, 2021
Land and buildings	\$ 49,732	\$	55,910
Information technology assets	45,906	j	51,188
Construction in progress	23,111		21,825
Leasehold improvements	7,516	;	7,951
Furniture and fixtures	197		201
Property and equipment, gross	126,462		137,075
Less: accumulated depreciation	(41,713)	(45,378)
Property and equipment, net	\$ 84,749	\$	91,697

Accrued expenses and other current liabilities

Accrued expenses and other current liabilities consisted of the following (in millions):

	Dece	As of ember 31, 2020	As of June 30, 2021
European Commission fines ⁽¹⁾	\$	10,409	\$ 10,254
Payables to brokers for unsettled investment trades		754	966
Accrued customer liabilities		3,118	2,865
Accrued purchases of property and equipment		2,197	2,387
Current operating lease liabilities		1,694	2,037
Other accrued expenses and current liabilities		10,459	10,472
Accrued expenses and other current liabilities	\$	28,631	\$ 28,981

⁽¹⁾ Includes the effects of foreign exchange and interest. See Note 9 for further details.

Accumulated Other Comprehensive Income (Loss)

The components of AOCI, net of income tax, were as follows (in millions):

	Tr	gn Currency anslation justments	(Losses	ealized Gains s) on Available- le Investments	(Losse	lized Gains es) on Cash v Hedges	Total
Balance as of December 31, 2019	\$	(2,003)	\$	812	\$	(41)	\$ (1,232)
Other comprehensive income (loss) before reclassifications		(266)		1,365		289	1,388
Amounts excluded from the assessment of hedge effectiveness recorded in AOCI		0		0		3	3
Amounts reclassified from AOCI		0		(318)		(137)	(455)
Other comprehensive income (loss)		(266)		1,047		155	936
Balance as of June 30, 2020	\$	(2,269)	\$	1,859	\$	114	\$ (296)

	Tra	reign Currency Unrealized Gains Translation (Losses) on Available- Adjustments for-Sale Investments		(Losses)	Unrealized Gains (Losses) on Cash Flow Hedges		Total	
Balance as of December 31, 2020	\$	(864)	\$	1,612	\$	(115)	\$	633
Other comprehensive income (loss) before reclassifications		(57)		(540)		92		(505)
Amounts excluded from the assessment of hedge effectiveness recorded in AOCI		0		0		45		45
Amounts reclassified from AOCI		0		(64)		81		17
Other comprehensive income (loss)		(57)		(604)		218		(443)
Balance as of June 30, 2021	\$	(921)	\$	1,008	\$	103	\$	190

The effects on net income of amounts reclassified from AOCI were as follows (in millions):

		Ga	ins (Losses) F	Reclassifie	d from AOCI	to the Con	solidated Stat	ements of	Income
				nths Ended e 30,	I		l .		
AOCI Components	Location	;	2020	2	2021		2020		2021
Unrealized gains (losses)	on available-for-sale investments								
	Other income (expense), net	\$	189	\$	96	\$	403	\$	82
	Benefit (provision) for income taxes		(40)		(21)		(85)		(18)
	Net of income tax		149		75		318		64
Unrealized gains (losses)	on cash flow hedges								
Foreign exchange contracts	Revenue		140		(3)		166		(108)
Interest rate contracts	Other income (expense), net		2		2		3		3
	Benefit (provision) for income taxes		(27)		5		(32)		24
	Net of income tax		115		4		137		(81)
Total amount reclassified.	net of income tax	\$	264	\$	79	\$	455	\$	(17)

Other Income (Expense), Net

The components of other income (expense), net, were as follows (in millions):

	Three Months Ended June 30,					Six Mont June	hs Ended e 30,		
		2020		2021	-	2020		2021	
Interest income	\$	433	\$	389	\$	1,019	\$	734	
Interest expense ⁽¹⁾		(13)		(76)		(34)		(152)	
Foreign currency exchange gain (loss), net		(92)		(51)		(173)		62	
Gain (loss) on debt securities, net		387		111		399		25	
Gain (loss) on equity securities, net		1,455		2,772		641		7,609	
Performance fees		(75)		(523)		(69)		(1,188)	
Income (loss) and impairment from equity method investments, net		(54)		92		20		97	
Other		(147)		(90)		(129)		283	
Other income (expense), net	\$	1,894	\$	2,624	\$	1,674	\$	7,470	

⁽¹⁾ Interest expense is net of interest capitalized of \$57 million and \$45 million for the three months ended June 30, 2020 and 2021, respectively, and \$109 million and \$92 million for the six months ended June 30, 2020 and 2021, respectively.

Note 7. Acquisitions

Fitbit

In January 2021, we closed the acquisition of Fitbit, Inc. for \$ 2.1 billion. The addition of Fitbit to Google Services is expected to help spur innovation in wearable devices.

The assets acquired and liabilities assumed were recorded at fair value. The purchase price excludes post acquisition compensation arrangements. The purchase price was attributed to \$440 million cash acquired, \$590 million of intangible assets, \$1.2 billion of goodwill and \$92 million of net liabilities assumed. Goodwill was recorded in the Google Services segment and primarily attributable to synergies expected to arise after the acquisition. Goodwill is not expected to be deductible for tax purposes.

Note 8. Goodwill and Other Intangible Assets

Goodwill

Changes in the carrying amount of goodwill for the six months ended June 30, 2021 were as follows (in millions):

	Goog	le Services	Google Cloud	Other Bets	Total
Balance as of December 31, 2020	\$	18,517	\$ 1,957	\$ 701	\$ 21,175
Acquisitions		1,221	5	1	1,227
Foreign currency translation and other adjustments		13	1	(10)	4
Balance as of June 30, 2021	\$	19,751	\$ 1,963	\$ 692	\$ 22,406

Other Intangible Assets

Information regarding purchased intangible assets were as follows (in millions):

	As of December 31, 2020								
		Gross Carrying Amount		Accumulated Amortization		Net Carrying Amount			
Patents and developed technology	\$	4,639	\$	3,649	\$	990			
Customer relationships		266		49		217			
Trade names and other		699		461		238			
Total	\$	5,604	\$	4,159	\$	1,445			

		A	s of June 30, 2021	
	Gross Carrying Amount		Accumulated Amortization	Net Carrying Amount
Patents and developed technology	\$ 4,824	\$	3,927	\$ 897
Customer relationships	464		93	371
Trade names and other	861		503	358
Total	\$ 6,149	\$	4,523	\$ 1,626

For all intangible assets acquired and purchased during the six months ended June 30, 2021, patents and developed technology have a weighted - average useful life of 4.0 years, customer relationships have a weighted-average useful life of 3.8 years, and trade names and other have a weighted-average useful life of 10.0 years.

Amortization expense relating to purchased intangible assets was \$ 194 million and \$215 million for the three months ended June 30, 2020 and 2021, respectively, and \$398 million and \$432 million for the six months ended June 30, 2020 and 2021, respectively.

As of June 30, 2021, expected amortization expense relating to purchased intangible assets for each of the next five years and thereafter was as follows (in millions):

2023 2024	226 197
2025	74
Thereafter	192
Total	\$ 1,626

Note 9. Contingencies

Indemnifications

In the normal course of business, including to facilitate transactions in our services and products and corporate activities, we indemnify certain parties, including advertisers, Google Network partners, customers of Google Cloud offerings, lessors, and service providers with respect to certain matters. We have agreed to hold certain parties harmless against losses arising from a breach of representations or covenants, or out of intellectual property infringement or other claims made against certain parties. Several of these agreements limit the time within which an indemnification claim can be made and the amount of the claim. In addition, we have entered into indemnification agreements with our officers and directors, and our bylaws contain similar indemnification obligations to our agents.

It is not possible to make a reasonable estimate of the maximum potential amount under these indemnification agreements due to the unique facts and circumstances involved in each particular agreement. Additionally, we have a limited history of prior indemnification claims and the payments we have made under such agreements have not had a material adverse effect on our results of operations, cash flows, or financial position. However, to the extent that valid indemnification claims arise in the future, future payments by us could be significant and could have a material adverse effect on our results of operations or cash flows in a particular period.

As of June 30, 2021, we did not have any material indemnification claims that were probable or reasonably possible.

Legal Matters

Antitrust Investigations

On November 30, 2010, the EC's Directorate General for Competition opened an investigation into various antitrust-related complaints against us.

On June 27, 2017, the EC announced its decision that certain actions taken by Google regarding its display and ranking of shopping search results and ads infringed European competition law. The EC decision imposed a €2.4 billion (\$2.7 billion as of June 27, 2017) fine. On September 11, 2017, we appealed the EC decision and on September 27, 2017, we implemented product changes to bring shopping ads into compliance with the EC's decision. We recognized a charge of \$2.7 billion for the fine in the second quarter of 2017.

On July 18, 2018, the EC announced its decision that certain provisions in Google's Android-related distribution agreements infringed European competition law. The EC decision imposed a €4.3 billion (\$5.1 billion as of June 30, 2018) fine and directed the termination of the conduct at issue. On October 9, 2018, we appealed the EC decision. On October 29, 2018, we implemented changes to certain of our Android distribution practices. We recognized a charge of \$5.1 billion for the fine in the second quarter of 2018.

On March 20, 2019, the EC announced its decision that certain contractual provisions in agreements that Google had with AdSense for Search partners infringed European competition law. The EC decision imposed a fine of €1.5 billion (\$1.7 billion as of March 20, 2019) and directed actions related to AdSense for Search partners' agreements, which we implemented prior to the decision. On June 4, 2019, we appealed the EC decision. We recognized a charge of \$1.7 billion for the fine in the first quarter of 2019.

While each EC decision is under appeal, we included the fines in accrued expenses and other current liabilities on our Consolidated Balance Sheets as we provided bank guarantees (in lieu of a cash payment) for the fines.

From time to time we are subject to formal and informal inquiries and investigations on competition matters by regulatory authorities in the United States, Europe, and other jurisdictions. In August 2019, we began receiving civil investigative demands from the U.S. Department of Justice ("DOJ") requesting information and documents relating to our prior antitrust investigations and certain aspects of our business. The DOJ and a number of state Attorneys General filed a lawsuit on October 20, 2020 alleging that Google violated U.S. antitrust laws relating to Search and Search advertising. Separately, on December 16, 2020, a number of state Attorneys General filed an antitrust complaint against Google in the United States District Court for the Eastern District of Texas, alleging that Google violated U.S. antitrust laws as well as state deceptive trade laws relating to its advertising technology. On June 22, 2021, the EC opened a formal investigation into Google's advertising technology business practices. On July 7, 2021, a number of state Attorneys General filed an antitrust complaint against us in the United States District Court for the Northern District of California, alleging that Google's operation of Android and Google Play violated U.S. antitrust laws and state antitrust and consumer protection laws. We believe these complaints are without merit and will defend ourselves vigorously. The DOJ and state Attorneys General continue their investigations into certain aspects of our business. We continue to cooperate with federal and state regulators in the United States, the EC, and other regulators around the world.

Patent and Intellectual Property Claims

We have had patent, copyright, trade secret, and trademark infringement lawsuits filed against us claiming that certain of our products, services, and technologies infringe others' intellectual property rights. Adverse results in these lawsuits may include awards of substantial monetary damages, costly royalty or licensing agreements, or orders preventing us from offering certain features, functionalities, products, or services. As a result, we may have to change our business practices, and develop non-infringing products or technologies, which could result in a loss of revenues for us and otherwise harm our business. In addition, the U.S. International Trade Commission ("ITC") has increasingly become an important forum to litigate intellectual property disputes because an ultimate loss in an ITC action can result in a prohibition on importing infringing products into the U.S. Because the U.S. is an important market, a prohibition on importation could have an adverse effect on us, including preventing us from importing many important products into the U.S. or necessitating workarounds that may limit certain features of our products.

Furthermore, many of our agreements with our customers and partners require us to indemnify them against certain intellectual property infringement claims, which would increase our costs as a result of defending such claims, and may require that we pay significant damages if there were an adverse ruling in any such claims. In addition, our customers and partners may discontinue the use of our products, services, and technologies, as a result of injunctions or otherwise, which could result in loss of revenues and adversely affect our business.

In 2010, Oracle America, Inc. ("Oracle") brought a copyright lawsuit against Google in the Northern District of California, alleging that Google's Android operating system infringes Oracle's copyrights related to certain Java application programming interfaces ("Java APIs"). After trial, final judgment was entered by the district court in favor of Google on June 8, 2016, and the court decided post-trial motions in favor of Google. Oracle appealed and on March 27, 2018, the Federal Circuit Court of Appeals reversed and remanded the case for a trial on damages. On May 29, 2018, we filed a petition for a rehearing at the Federal Circuit, and on August 28, 2018, the Federal Circuit denied the petition. On January 24, 2019, we filed a petition to the Supreme Court of the United States to review the case. On April 29, 2019, the Supreme Court requested the views of the Solicitor General regarding our petition. On September 27, 2019, the Solicitor General recommended denying our petition, and we provided our response on October 16, 2019. On November 15, 2019, the Supreme Court granted our petition and made a decision to review the case. The Supreme Court heard oral arguments in our case on October 7, 2020. On April 5, 2021, the Supreme Court reversed the Federal Circuit's ruling and found that Google's use of the Java APIs was a fair use as a matter

of law. The Supreme Court remanded the case to the Federal Circuit for further proceedings in conformity with the Supreme Court opinion. On May 14, 2021, the Federal Circuit entered an order affirming the district court's final judgment in favor of Google. On June 21, 2021, the Federal Circuit issued a mandate returning the case to the district court, and the case is now concluded.

Other

We are also regularly subject to claims, suits, regulatory and government investigations, and other proceedings involving competition, intellectual property, privacy, tax and related compliance, labor and employment, commercial disputes, content generated by our users, goods and services offered by advertisers or publishers using our platforms, personal injury, consumer protection, and other matters. Such claims, suits, regulatory and government investigations, and other proceedings could result in substantial fines and penalties, injunctive relief, ongoing auditing and monitoring obligations, changes to our products and services, alterations to our business models and operations, and collateral related civil litigation or other adverse consequences, all of which could harm our business, reputation, financial condition, and operating results.

Certain of these outstanding matters include speculative, substantial or indeterminate monetary amounts. We record a liability when we believe that it is probable that a loss has been incurred and the amount can be reasonably estimated. If we determine that a loss is reasonably possible and the loss or range of loss can be estimated, we disclose the reasonably possible loss. We evaluate developments in our legal matters that could affect the amount of liability that has been previously accrued, and the matters and related reasonably possible losses disclosed, and make adjustments as appropriate. Significant judgment is required to determine both likelihood of there being and the estimated amount of a loss related to such matters.

With respect to our outstanding matters, based on our current knowledge, we believe that the amount or range of reasonably possible loss will not, either individually or in aggregate, have a material adverse effect on our business, consolidated financial position, results of operations, or cash flows. However, the outcome of such matters is inherently unpredictable and subject to significant uncertainties.

We expense legal fees in the period in which they are incurred.

Non-Income Taxes

We are under audit by various domestic and foreign tax authorities with regards to non-income tax matters. The subject matter of non-income tax audits primarily arises from disputes on the tax treatment and tax rate applied to the sale of our products and services in these jurisdictions and the tax treatment of certain employee benefits. We accrue non-income taxes that may result from examinations by, or any negotiated agreements with, these tax authorities when a loss is probable and reasonably estimable. If we determine that a loss is reasonably possible and the loss or range of loss can be estimated, we disclose the reasonably possible loss. Due to the inherent complexity and uncertainty of these matters and judicial process in certain jurisdictions, the final outcome may be materially different from our expectations.

For information regarding income tax contingencies, see Note 13.

Note 10. Stockholders' Equity

Share Repurchases

In July 2020, the Board of Directors of Alphabet authorized the company to repurchase up to \$ 28.0 billion of its Class C capital stock, which was completed during the second quarter of 2021. In April 2021, the Board of Directors of Alphabet authorized the company to repurchase up to an additional \$50.0 billion of its Class C capital stock. In July 2021, the Alphabet board approved an amendment to the April 2021 authorization, permitting the company to repurchase both Class A and Class C shares in a manner deemed in the best interest of the company and its stockholders, taking into account the economic cost and prevailing market conditions, including the relative trading prices and volumes of the Class A and Class C shares. As of June 30, 2021, \$43.5 billion remains available for repurchase. The repurchases are being executed from time to time, subject to general business and market conditions and other investment opportunities, through open market purchases or privately negotiated transactions, including through Rule 10b5-1 plans. The repurchase program does not have an expiration date.

During the three and six months ended June 30, 2021, we repurchased and subsequently retired 5.4 million and 11.1 million shares of Alphabet Class C capital stock for an aggregate amount of \$12.8 billion and \$24.2 billion, respectively.

Note 11. Net Income Per Share

The following table sets forth the computation of basic and diluted net income per share of Class A and Class B common stock and Class C capital stock (in millions, except share amounts which are reflected in thousands, and per share amounts):

	Three Months Ended June 30,											
				2020						2021		
		Class A		Class B		Class C		Class A		Class B		Class C
Basic net income per share:												
Numerator												
Allocation of undistributed earnings	\$	3,055	\$	473	\$	3,431	\$	8,321	\$	1,265	\$	8,939
Denominator												
Number of shares used in per share computation		299,308		46,355		336,105		300,485		45,692		322,781
Basic net income per share	\$	10.21	\$	10.21	\$	10.21	\$	27.69	\$	27.69	\$	27.69
Diluted net income per share:			_		_		_					
Numerator												
Allocation of undistributed earnings for basic computation	\$	3,055	\$	473	\$	3,431	\$	8,321	\$	1,265	\$	8,939
Reallocation of undistributed earnings as a result of conversion of Class B to Class A shares		473		0		0		1,265		0		0
Reallocation of undistributed earnings		(26)		(3)		26		(149)		(19)		149
Allocation of undistributed earnings	\$	3,502	\$	470	\$	3,457	\$	9,437	\$	1,246	\$	9,088
Denominator												
Number of shares used in basic computation		299,308		46,355		336,105		300,485		45,692		322,781
Weighted-average effect of dilutive securities												
Add:												
Conversion of Class B to Class A common shares outstanding		46,355		0		0		45,692		0		0
Restricted stock units and other contingently issuable shares		92		0		5,164		15		0		10,639
Number of shares used in per share computation		345,755		46,355		341,269		346,192		45,692		333,420
Diluted net income per share	\$	10.13	\$	10.13	\$	10.13	\$	27.26	\$	27.26	\$	27.26

	Six Months Ended June 30,											
				2020						2021		
		Class A		Class B		Class C		Class A		Class B		Class C
Basic net income per share:												
Numerator												
Allocation of undistributed earnings	\$	6,042	\$	935	\$	6,818	\$	16,330	\$	2,485	\$	17,640
Denominator												
Number of shares used in per share computation		299,642		46,383		338,092		300,610		45,742		324,737
Basic net income per share	\$	20.16	\$	20.16	\$	20.16	\$	54.32	\$	54.32	\$	54.32
Diluted net income per share:												
Numerator												
Allocation of undistributed earnings for basic computation	\$	6,042	\$	935	\$	6,818	\$	16,330	\$	2,485	\$	17,640
Reallocation of undistributed earnings as a result of conversion of Class B to Class A shares		935		0		0		2,485		0		0
Reallocation of undistributed earnings		(53)		(7)		53		(269)		(36)		269
Allocation of undistributed earnings	\$	6,924	\$	928	\$	6,871	\$	18,546	\$	2,449	\$	17,909
Denominator						· · ·						
Number of shares used in basic computation		299,642		46,383		338,092		300,610		45,742		324,737
Weighted-average effect of dilutive securities												
Add:												
Conversion of Class B to Class A common shares outstanding		46,383		0		0		45,742		0		0
Restricted stock units and other contingently issuable shares		135		0		5,394		17		0		9,736
Number of shares used in per share computation		346,160		46,383		343,486		346,369		45,742		334,473
Diluted net income per share	\$	20.00	\$	20.00	\$	20.00	\$	53.54	\$	53.54	\$	53.54

For the periods presented above, the net income per share amounts are the same for Class A and Class B common stock and Class C capital stock because the holders of each class are entitled to equal per share dividends or distributions in liquidation in accordance with the Amended and Restated Certificate of Incorporation of Alphabet Inc.

Note 12. Compensation Plans

Stock-Based Compensation

For the three months ended June 30, 2020 and 2021, total stock-based compensation ("SBC") expense was \$ 3.5 billion and \$4.0 billion, including amounts associated with awards we expect to settle in Alphabet stock of \$3.3 billion and \$3.7 billion, respectively. For the six months ended June 30, 2020 and 2021, total SBC expense was \$6.8 billion and \$7.8 billion, including amounts associated with awards we expect to settle in Alphabet stock of \$6.5 billion and \$7.4 billion, respectively.

Stock-Based Award Activities

The following table summarizes the activities for our unvested restricted stock units ("RSUs") in Alphabet stock for the six months ended June 30, 2021:

	Unvested Restricted Stock Unit						
	Number of Shares		Weighted- Average Grant-Date Fair Value				
Unvested as of December 31, 2020	19,288,793	\$	1,262.13				
Granted	9,082,093	\$	1,810.91				
Vested	(5,491,338)	\$	1,315.93				
Forfeited/canceled	(973,555)	\$	1,396.04				
Unvested as of June 30, 2021	21,905,993	\$	1,475.11				

As of June 30, 2021, there was \$30.6 billion of unrecognized compensation cost related to unvested employee RSUs. This amount is expected to be recognized over a weighted-average period of 2.7 years.

Note 13. Income Taxes

The following table presents our provision for income taxes (in millions, except for effective tax rate):

		Three Mo	nths E	nded	Six Months Ended						
		Ju	ne 30,			Jur	ie 30,				
		2020		2021		2020	2021				
Provision for income taxes	\$	1,318	\$	3,460	\$	2,239	\$	6,813			
Effective tax rate		15.9 %	,	15.7 %		14.0 %		15.7 %			

We are subject to income taxes in the U.S. and foreign jurisdictions. Significant judgment is required in evaluating our uncertain tax positions and determining our provision for income taxes. Our total gross unrecognized tax benefits were \$3.8 billion and \$4.6 billion as of December 31, 2020 and June 30, 2021, respectively. Our total unrecognized tax benefits that, if recognized, would affect our effective tax rate were \$2.6 billion and \$3.2 billion as of December 31, 2020 and June 30, 2021, respectively. Although the timing of the resolution, settlement, and closure of audits is not certain, we do not believe it is reasonably possible that our unrecognized tax benefits will materially change in the next 12 months.

For information regarding non-income taxes, see Note 9.

Note 14. Information about Segments and Geographic Areas

Beginning in the fourth quarter of 2020, we report our segment results as Google Services, Google Cloud, and Other Bets:

- Google Services includes products and services such as ads, Android, Chrome, hardware, Google Maps, Google Play, Search, and YouTube. Google Services generates revenues primarily from advertising; sales of apps, in-app purchases, digital content products, and hardware; and fees received for subscription-based products such as YouTube Premium and YouTube TV.
- Google Cloud includes Google's infrastructure and data analytics platforms, collaboration tools, and other services for enterprise customers.
 Google Cloud generates revenues primarily from fees received for Google Cloud Platform services and Google Workspace collaboration tools.
- Other Bets is a combination of multiple operating segments that are not individually material. Revenues from the Other Bets are derived primarily
 through the sale of internet services as well as licensing and R&D services.

Revenues and certain costs, such as costs associated with content and traffic acquisition, certain engineering, and hardware costs and other operating expenses, are directly attributable to our segments. Due to the integrated nature of Alphabet, other costs and expenses, such as technical infrastructure and office facilities, are managed centrally at a consolidated level. The associated costs, including depreciation and impairment, are allocated to operating segments as a service cost generally based on usage or headcount.

Unallocated corporate costs primarily include corporate initiatives, corporate shared costs, such as finance and legal, including certain fines and settlements, as well as costs associated with certain shared research and development activities. Additionally, hedging gains (losses) related to revenue are included in corporate costs.

Our Chief Operating Decision Maker does not evaluate operating segments using asset information.

Information about segments during the periods presented were as follows (in millions). For comparative purposes, amounts in prior periods have been recast:

	 Three Mor Jun	nths E e 30,	 Six Mont Jun	ths En e 30,	ded	
	2020		2021	2020		2021
Revenues:	 					
Google Services	\$ 34,991	\$	57,067	\$ 73,189	\$	108,245
Google Cloud	3,007		4,628	5,784		8,675
Other Bets	148		192	283		390
Hedging gains (losses)	151		(7)	200		(116)
Total revenues	\$ 38,297	\$	61,880	\$ 79,456	\$	117,194

	Three Months Ended June 30,					Six Mont Jun		
		2020		2021		2020		2021
Operating income (loss):								
Google Services	\$	9,539	\$	22,343	\$	21,087	\$	41,889
Google Cloud		(1,426)		(591)		(3,156)		(1,565)
Other Bets		(1,116)		(1,398)		(2,237)		(2,543)
Corporate costs, unallocated		(614)		(993)		(1,334)		(1,983)
Total income from operations	\$	6,383	\$	19,361	\$	14,360	\$	35,798

For revenues by geography, see Note 2.

The following table presents our long-lived assets by geographic area, which includes property and equipment, net and operating lease assets (in millions):

	As of December 31, 2020	As of June 30, 2021
Long-lived assets:		
United States	\$ 69,315	\$ 74,993
International	27,645	29,682
Total long-lived assets	\$ 96,960	\$ 104,675

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Please read the following discussion and analysis of our financial condition and results of operations together with our consolidated financial statements and related notes included under Part I, Item 1 of this Quarterly Report on Form 10-Q.

The Impact of COVID-19 on our Results and Operations

We began to observe the impact of COVID-19 on our financial results in March 2020 when, despite an increase in users' search activity, our advertising revenues declined compared to the prior year due to a shift of user search activity to less commercial topics and reduced spending by our advertisers. For the quarter ended June 30, 2020, our advertising revenues declined due to the continued impacts of COVID-19 and the related reductions in global economic activity. During the course of the quarter ended June 30, 2020, we observed a gradual return in user search activity to more commercial topics, followed by increased spending by our advertisers that continued throughout the second half of 2020. Additionally, over the course of 2020, we experienced variability in our margins as many of our expenses are less variable in nature and/or may not correlate to changes in revenues. Market volatility contributed to fluctuations in the valuation of our equity investments. Further, our assessment of the credit deterioration of our customers due to changes in the macroeconomic environment during the period was reflected in our allowance for credit losses for accounts receivable.

During the first half of 2021, we continued to benefit from elevated consumer activity online and broad-based increases in advertiser spending. We remained focused on innovating and investing in the services we offer to consumers and businesses to support our long-term growth. For example, we continued to invest in our technical infrastructure and data centers. Additionally, our margins benefited from revenue growth while many of our expenses remained less variable in nature and/or may not correlate to changes in revenues. These factors, combined with the adverse impact of COVID-19 in the prior year, particularly during the quarter ended June 30, 2020, positively affected year-over-year growth trends. Further, year-over-year trends benefited from a reduction in depreciation expense due to the change in the estimated useful life of our servers and certain network equipment beginning in the first quarter of 2021; we expect the effect of this change in estimate to decline through the remainder of the year (for further details see Note 1 of the Notes to Consolidated Financial Statements included in Part 1, Item 1 of this Quarterly Report on Form 10-Q). The COVID-19 pandemic continues to evolve, be unpredictable and affect our business and financial results. Our past results may not be indicative of our future performance, and historical trends in our financial results may differ materially.

See Part II Item 7, "Impact of COVID-19" in our Annual Report on Form 10-K for the year ended December 31, 2020 for more information.

Executive Overview

The following table summarizes our consolidated financial results (in millions, except for per share information and percentages).

Three Months Ended June 30 2020 2021 38.297 61.880 Revenues Change in revenues year over year (2)% 62 % 0 % Change in constant currency revenues year over year 57 % 6,383 19.361 Operating income Operating margin 17 % 31 % Other income (expense), net \$ 1,894 \$ 2,624 Net Income \$ 6,959 \$ 18,525 Diluted FPS 10.13 \$ 27.26

- Total revenues were \$61.9 billion, an increase of 62% year over year, primarily driven by an increase in Google Services segment revenues of \$22.1 billion or 63% and an increase in Google Cloud segment revenues of \$1.6 billion or 54%. The adverse effect of COVID-19 on the prior year comparable period's advertising revenues contributed to the year-over-year increase. Revenues from the United States, EMEA, APAC, and Other Americas were \$28.2 billion, \$19.1 billion, \$11.2 billion, and \$3.4 billion, respectively.
- Total cost of revenues was \$26.2 billion, an increase of 41% year over year. TAC was \$10.9 billion, an increase of 63% year over year, primarily driven by an increase in revenues subject to TAC. Other cost of revenues were \$15.3 billion, an increase of 29% year over year, affected by a reduction in depreciation expense due to the change in the estimated useful life of our servers and certain network equipment.
- Operating expenses (excluding cost of revenues) were \$16.3 billion, an increase of 22% year over year, primarily driven by headcount growth
 and increases in advertising and promotional expenses as well as charges related to legal matters.

Other information

- · Operating cash flow was \$21.9 billion for the three months ended June 30, 2021.
- Capital expenditures, which primarily included investments in technical infrastructure, were \$5.5 billion for the three months ended June 30, 2021
- Number of employees was 144,056 as of June 30, 2021.

Our Segments

Beginning in the fourth quarter of 2020, we report our segment results as Google Services, Google Cloud, and Other Bets:

- Google Services includes products and services such as ads, Android, Chrome, hardware, Google Maps, Google Play, Search, and YouTube.
 Google Services generates revenues primarily from advertising; sales of apps, in-app purchases, digital content products, and hardware; and fees received for subscription-based products such as YouTube Premium and YouTube TV.
- Google Cloud includes Google's infrastructure and data analytics platforms, collaboration tools, and other services for enterprise customers.
 Google Cloud generates revenues primarily from fees received for Google Cloud Platform ("GCP") services and Google Workspace collaboration tools.
- Other Bets is a combination of multiple operating segments that are not individually material. Revenues from the Other Bets are derived primarily through the sale of internet services as well as licensing and R&D services.

Unallocated corporate costs primarily include corporate initiatives, corporate shared costs, such as finance and legal, including certain fines and settlements, as well as costs associated with certain shared research and development activities. Additionally, hedging gains (losses) related to revenue are included in corporate costs.

Financial Results

Revenues

The following table presents our revenues by type (in millions).

	 Three Mor	nths E ie 30,	nded		ns Ended e 30,		
	2020		2021	2020		2021	
Google Search & other	\$ 21,319	\$	35,845	\$ 45,821	\$	67,724	
YouTube ads	3,812		7,002	7,850		13,007	
Google Network	4,736		7,597	9,959		14,397	
Google advertising	 29,867		50,444	63,630		95,128	
Google other	5,124		6,623	9,559		13,117	
Google Services total	 34,991		57,067	73,189		108,245	
Google Cloud	3,007		4,628	5,784		8,675	
Other Bets	148		192	283		390	
Hedging gains (losses)	151		(7)	200		(116)	
Total revenues	\$ 38,297	\$	61,880	\$ 79,456	\$	117,194	

Google Services

Google advertising revenues

Our advertising revenue growth, as well as the change in paid clicks and cost-per-click on Google Search & other properties and the change in impressions and cost-per-impression on Google Network partners' properties ("Google Network properties") and the correlation between these items, have been affected and may continue to be affected by various factors, including:

- · advertiser competition for keywords;
- · changes in advertising quality, formats, delivery or policy;
- changes in device mix;
- · changes in foreign currency exchange rates;
- fees advertisers are willing to pay based on how they manage their advertising costs;
- · general economic conditions including the impact of COVID-19;
- · seasonality; and
- · traffic growth in emerging markets compared to more mature markets and across various advertising verticals and channels.

Our advertising revenue growth rate has been affected over time as a result of a number of factors, including challenges in maintaining our growth rate as revenues increase to higher levels; changes in our product mix; changes in advertising quality or formats and delivery; the evolution of the online advertising market; increasing competition; our investments in new business strategies; query growth rates; and shifts in the geographic mix of our revenues. We also expect that our revenue growth rate will continue to be affected by evolving user preferences, the acceptance by users of our products and services as they are delivered on diverse devices and modalities, our ability to create a seamless experience for both users and advertisers, and movements in foreign currency exchange rates.

Google advertising revenues consist primarily of the following:

- Google Search & other consists of revenues generated on Google search properties (including revenues from traffic generated by search distribution partners who use Google.com as their default search in browsers, toolbars, etc.) and other Google owned and operated properties like Gmail, Google Maps, and Google Play;
- · YouTube ads consists of revenues generated on YouTube properties; and
- · Google Network consists of revenues generated on Google Network properties participating in AdMob, AdSense, and Google Ad Manager.

Google Search & other

Google Search & other revenues increased \$14.5 billion and \$21.9 billion from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021, respectively. The increase was primarily driven by a number of interrelated factors as well as the adverse effect of COVID-19 on the prior year comparable period. The interrelated factors included increases in search queries resulting from growth in user adoption and usage, primarily on mobile devices, growth in advertiser spending, and improvements we have made in ad formats and delivery. The adverse effect of COVID-19 on prior year comparable period revenues included a shift in user activity to less commercial topics and reduced advertiser spend.

YouTube ads

YouTube ads revenues increased \$3.2 billion from the three months ended June 30, 2020 to the three months ended June 30, 2021, driven by growth for our brand and direct response advertising products. The increase in revenues of \$5.2 billion from the six months ended June 30, 2020 to the six months ended June 30, 2021 was driven by our direct response and brand advertising products. Growth for our brand advertising products was driven by both increased spending by our advertisers in the current period and the adverse effect of COVID-19 on prior year comparable period revenues. Growth for our direct response advertising products was primarily driven by increased advertiser spending as well as improvements to ad formats and delivery.

Google Network

Google Network revenues increased \$2.9 billion and \$4.4 billion from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021, respectively. The increase was primarily driven by strength in Google Ad Manager and AdMob. The increase was also affected by reduced advertiser spending driven by the effect of COVID-19 in the prior year comparable period.

Use of Monetization Metrics

Paid clicks for our Google Search & other properties represent engagement by users and include clicks on advertisements by end-users on Google search properties and other owned and operated properties including Gmail, Google Maps, and Google Play. Historically, we included certain viewed YouTube engagement ads and the related revenues in our paid clicks and cost-per-click monetization metrics. Over time, advertising on YouTube has expanded to multiple advertising formats and the type of viewed engagement ads historically included in paid clicks and cost-per-click metrics have increasingly covered a smaller portion of YouTube advertising revenues. As a result, beginning in the fourth quarter of 2020, we removed these ads and the related revenues from the paid clicks and cost-per-click metrics. The revised metrics presented below provide a better understanding of monetization trends on the properties included within Google Search & other, as they now more closely correlate with the related changes in revenues.

Impressions for Google Network properties include impressions displayed to users served on Google Network properties participating primarily in AdMob, AdSense and Google Ad Manager.

Cost-per-click is defined as click-driven revenues divided by our total number of paid clicks and represents the average amount we charge advertisers for each engagement by users.

Cost-per-impression is defined as impression-based and click-based revenues divided by our total number of impressions and represents the average amount we charge advertisers for each impression displayed to users.

As our business evolves, we periodically review, refine and update our methodologies for monitoring, gathering, and counting the number of paid clicks on our Google Search & other properties and the number of impressions on Google Network properties and for identifying the revenues generated by click activity on our Google Search & other properties and the revenues generated by impression activity on Google Network properties.

Paid clicks and cost-per-click

The following table presents changes in our paid clicks and cost-per-click (expressed as a percentage):

	Three Months Ended June 30,	Six Months Ended June 30,
	2021	2021
Paid clicks change	26 %	6 25 %
Cost-per-click change	31 %	6 16 %

Paid clicks increased from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021 primarily driven by a number of interrelated factors, including an increase in search queries resulting from growth in user adoption and usage, primarily on mobile devices; an increase in clicks relating to ads on Google Play; continued growth in advertiser activity; improvements we have made in ad formats and delivery; and the adverse effect of COVID-19 on the prior year comparable period when we experienced a shift to less commercial search activity and a reduction in advertiser spending. The increase in cost-per-click was primarily driven by the adverse effect of COVID-19 on the prior year comparable period as well as the effect of a combination of factors including changes in device mix, geographic mix, ongoing product changes, product mix, property mix, and fluctuations of the U.S. dollar compared to certain foreign currencies.

Impressions and cost-per-impression

The following table presents changes in our impressions and cost-per-impression (expressed as a percentage):

	Three Months Ended June 30,	Six Months Ended June 30,
	2021	2021
Impressions change	(1) %	3 %
Cost-per-impression change	63 %	6 39 %

Impressions decreased from the three months ended June 30, 2020 to the three months ended June 30, 2021 primarily driven by a decline in impressions related to AdSense, partially offset by growth in AdMob. Impressions increased from the six months ended June 30, 2020 to the six months ended June 30, 2021 primarily driven by growth in AdMob and Google Ad Manager, partially offset by a decline in impressions related to AdSense.

The increase in cost-per-impression from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021 was primarily driven by the adverse effect of COVID-19 on the prior year comparable period when we experienced a reduction in advertiser spending as well as the effect of a combination of factors including ongoing product and policy changes and improvements we have made in ad formats and delivery, changes in device mix, geographic mix, product mix, property mix, and fluctuations of the U.S. dollar compared to certain foreign currencies.

Google other revenues

Google other revenues consist primarily of revenues from:

- Google Play, which includes revenues from sales of apps and in-app purchases (which we recognize net of payout to developers) and digital
 content sold in the Google Play store;
- Devices and Services which includes hardware, such as Fitbit wearable devices, Google Nest home products, Pixelbooks, Pixel phones and other devices:
- YouTube non-advertising, including YouTube Premium and YouTube TV subscriptions and other services; and
- · other products and services.

Google other revenues increased \$1.5 billion and \$3.6 billion from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021, respectively. The growth was primarily driven by YouTube non-advertising, Devices and Services and Google Play. Growth for YouTube non-advertising was primarily driven by an increase in paid subscribers. Growth for Devices and Services reflects the inclusion of Fitbit revenues, as the acquisition closed in January 2021. Growth for Google Play was primarily driven by sales of apps and in-app purchases.

Over time, our growth rate for Google other revenues may be affected by the seasonality associated with new product and service launches as well as market dynamics.

Google Cloud

Our Google Cloud revenues increased \$1.6 billion and \$2.9 billion from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021, respectively. The growth was primarily driven by GCP followed by Google Workspace offerings. Google Cloud's infrastructure and platform services were the largest drivers of growth in GCP.

Over time, our growth rate for Google Cloud revenues may be affected by customer usage, market dynamics, as well as new product and service launches.

Revenues by Geography

The following table presents our revenues by geography as a percentage of revenues, determined based on the addresses of our customers:

	Three Months	s Ended	Six Months Ended			
	June 30	0,	June 30,			
	2020	2021	2020	2021		
United States	47 %	46 %	47 %	45 %		
EMEA	30 %	31 %	30 %	31 %		
APAC	18 %	18 %	18 %	19 %		
Other Americas	5 %	5 %	5 %	5 %		

For further details on revenues by geography, see Note 2 of the Notes to Consolidated Financial Statements included in Part I, Item 1 of this Quarterly Report on Form 10-Q.

Use of Constant Currency Revenues and Constant Currency Revenue Percentage Change

The effect of currency exchange rates on our business is an important factor in understanding period to period comparisons. Our international revenues are favorably affected as the U.S. dollar weakens relative to other foreign currencies, and unfavorably affected as the U.S. dollar strengthens relative to other foreign currencies. Our revenues are also favorably affected by net hedging gains and unfavorably affected by net hedging losses.

We use non-GAAP constant currency revenues and non-GAAP percentage change in constant currency revenues for financial and operational decision-making and as a means to evaluate period-to-period comparisons. We believe the presentation of results on a constant currency basis in addition to GAAP results helps improve the ability to understand our performance because they exclude the effects of foreign currency volatility that are not indicative of our core operating results.

Constant currency information compares results between periods as if exchange rates had remained constant period over period. We define constant currency revenues as total revenues excluding the effect of foreign exchange rate movements and hedging activities, and use it to determine the constant currency revenue percentage change on a year-over-year basis. Constant currency revenues are calculated by translating current period revenues using prior period exchange rates, as well as excluding any hedging effects realized in the current period.

Constant currency revenue percentage change is calculated by determining the change in current period revenues over prior period revenues where current period foreign currency revenues are translated using prior period exchange rates and hedging effects are excluded from revenues of both periods.

These results should be considered in addition to, not as a substitute for, results reported in accordance with GAAP. Results on a constant currency basis, as we present them, may not be comparable to similarly titled measures used by other companies and are not a measure of performance presented in accordance with GAAP.

The following table presents the foreign exchange effect on our international revenues and total revenues (in millions, except percentages):

	Three Mo	nths E ie 30.	nded	Six Months Ended June 30,				
	 2020	,	2021	 2020	,	2021		
EMEA revenues	\$ 11,363	\$	19,084	\$ 24,208	\$	36,115		
Exclude foreign exchange effect on current period revenues using prior year rates	361		(1,425)	596		(2,354)		
EMEA constant currency revenues	\$ 11,724	\$	17,659	\$ 24,804	\$	33,761		
Prior period EMEA revenues	\$ 12,313	\$	11,363	\$ 23,981	\$	24,208		
EMEA revenue percentage change	(8)%		68 %	1 %		49 %		
EMEA constant currency revenue percentage change	(5)% 55 %		3 %		39 %			
APAC revenues	\$ 6,945	\$	11,231	\$ 14,183	\$	21,686		
Exclude foreign exchange effect on current period revenues using prior year rates	105		(350)	166		(713)		
APAC constant currency revenues	\$ 7,050	\$	10,881	\$ 14,349	\$	20,973		
Prior period APAC revenues	\$ 6,536	\$	6,945	\$ 12,632	\$	14,183		
APAC revenue percentage change	6 %		62 %	12 %		53 %		
APAC constant currency revenue percentage change	8 %		57 %	14 %		48 %		
Other Americas revenues	\$ 1,839	\$	3,364	\$ 3,996	\$	6,269		
Exclude foreign exchange effect on current period revenues using prior year rates	240		(112)	336		79		
Other Americas constant currency revenues	\$ 2,079	\$	3,252	\$ 4,332	\$	6,348		
Prior period Other Americas revenues	\$ 2,124	\$	1,839	\$ 4,030	\$	3,996		
Other Americas revenue percentage change	(13)%		83 %	(1)%		57 %		
Other Americas constant currency revenue percentage change	(2)%		77 %	7 %		59 %		
United States revenues	\$ 17,999	\$	28,208	\$ 36,869	\$	53,240		
United States revenue percentage change	1 %		57 %	7 %		44 %		
Hedging gains (losses)	\$ 151	\$	(7)	\$ 200	\$	(116)		
Total revenues	\$ 38,297	\$	61,880	\$ 79,456	\$	117,194		
Total constant currency revenues	\$ 38,852	\$	60,000	\$ 80,354	\$	114,322		
Prior period revenues, excluding hedging effect ⁽¹⁾	\$ 38,836	\$	38,146	\$ 75,038	\$	79,256		
Total revenue percentage change	(2)%		62 %	 6 %		47 %		
Total constant currency revenue percentage change	0 %		57 %	7 %		44 %		

⁽¹⁾ Total revenues and hedging gains (losses) were \$38,944 million and \$108 million, respectively, for the three months ended June 30, 2019 and \$75,283 million and \$245 million, respectively, for the six months ended June 30, 2019.

EMEA revenue percentage change from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021 was favorably affected by foreign currency exchange rates, primarily due to the U.S. dollar weakening relative to the Euro and British pound.

APAC revenue percentage change from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021 was favorably affected by foreign currency exchange rates, primarily due to the U.S. dollar weakening relative to the Australian dollar.

Other Americas revenue percentage change from the three months ended June 30, 2020 to the three months ended June 30, 2021 was favorably affected by changes in foreign currency exchange rates, primarily due to the

U.S. dollar weakening relative to the Canadian dollar. Other Americas revenue percentage change from the six months ended June 30, 2020 to the six months ended June 30, 2021 was unfavorably affected by changes in foreign currency exchange rates, primarily due to the U.S. dollar strengthening relative to the Brazilian real, partially offset by the U.S. dollar weakening relative to the Canadian dollar.

Costs and Operating Expenses

Cost of Revenues

Cost of revenues includes TAC which are paid to our distribution partners, who make available our search access points and services, and amounts paid to Google Network partners primarily for ads displayed on their properties. Our distribution partners include browser providers, mobile carriers, original equipment manufacturers, and software developers.

The cost of revenues as a percentage of revenues generated from ads placed on Google Network properties are significantly higher than the cost of revenues as a percentage of revenues generated from ads placed on Google properties (which includes Google Search & other and YouTube ads), because most of the advertiser revenues from ads served on Google Network properties are paid as TAC to our Google Network partners.

Additionally, other cost of revenues (which is the cost of revenues excluding TAC) includes the following:

- Content acquisition costs primarily related to payments to content providers from whom we license video and other content for distribution on YouTube advertising and subscription services and Google Play (we pay fees to these content providers based on revenues generated or a flat fee);
- Expenses associated with our data centers (including bandwidth, compensation expenses including SBC, depreciation, energy, and other equipment costs) as well as other operations costs (such as content review and customer support costs). These costs are generally less variable in nature and may not correlate with related changes in revenues; and
- Inventory related costs for hardware we sell.

The following tables present our cost of revenues, including TAC (in millions, except percentages):

		Three Months Ended June 30,				Six Months Ended					
						June 30,					
		2020		2021		2020		2021			
TAC	\$	6,694	\$	10,929	\$	14,146	\$	20,641			
Other cost of revenues		11,859		15,298		23,389		29,689			
Total cost of revenues	\$	18,553	\$	26,227	\$	37,535	\$	50,330			
Total cost of revenues as a percentage of revenues		48.4 %		42.4 %		47.2 %		42.9 %			

Cost of revenues increased \$7.7 billion from the three months ended June 30, 2020 to the three months ended June 30, 2021. The increase was due to increases in TAC and other cost of revenues of \$4.2 billion and \$3.4 billion, respectively. Cost of revenues increased \$12.8 billion from the six months ended June 30, 2020 to the six months ended June 30, 2021. The increase was due to increases in TAC and other cost of revenues of \$6.5 billion and \$6.3 billion, respectively.

The increase in other cost of revenues from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021 was primarily due to increases in content acquisition costs primarily for YouTube as well as data center and other operations costs. The increase in data center and other operations costs was partially offset by a reduction in depreciation expense due to the change in the estimated useful life of our servers and certain network equipment beginning in the first quarter of 2021.

The increase in TAC from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021 was due to increases in TAC paid to distribution partners and to Google Network partners, primarily driven by growth in revenues subject to TAC.

The TAC rate decreased from 22.4% to 21.7% from the three months ended June 30, 2020 to the three months ended June 30, 2021 and decreased from 22.2% to 21.7% from the six months ended June 30, 2020 to the six months ended June 30, 2021 primarily due to a revenue mix shift from Google Network properties to Google properties. The TAC rate on Google properties revenues and the TAC rate on Google Network properties revenues were both substantially consistent from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021.

Over time, cost of revenues as a percentage of total revenues may be affected by a number of factors, including the following:

• The amount of TAC paid to distribution partners, which is affected by changes in device mix, geographic mix, partner mix, partner agreement terms such as revenue share arrangements, and the percentage of queries channeled through paid access points;

- The amount of TAC paid to Google Network partners, which is affected by a combination of factors such as geographic mix, product mix, and
 revenue share terms:
- · Relative revenue growth rates of Google properties and Google Network properties;
- Certain costs that are less variable in nature and may not correlate with the related revenues;
- · Costs associated with our data centers and other operations to support ads, Google Cloud, Search, YouTube and other products;
- · Content acquisition costs, which are primarily affected by the relative growth rates in our YouTube advertising and subscription revenues;
- · Costs related to hardware sales; and
- · Increased proportion of non-advertising revenues, which generally have higher costs of revenues, relative to our advertising revenues.

Research and Development

The following table presents our R&D expenses (in millions, except percentages):

	Three Months Ended			Six Months Ended					
		June 30,				June 30,			
		2020		2021		2020		2021	
Research and development expenses	\$	6,875	\$	7,675	\$	13,695	\$	15,160	
Research and development expenses as a percentage of revenues		18.0 %		12.4 %		17.2 %		12.9 %	

R&D expenses consist primarily of:

- Compensation expenses (including SBC) for engineering and technical employees responsible for R&D of our existing and new products and services:
- Depreciation;
- Equipment-related expenses; and
- · Professional services fees primarily related to consulting and outsourcing services.

R&D expenses increased \$800 million from the three months ended June 30, 2020 to the three months ended June 30, 2021. The increase was primarily due to an increase in compensation expenses of \$836 million, largely resulting from a 12% increase in headcount.

R&D expenses increased \$1.5 billion from the six months ended June 30, 2020 to the six months ended June 30, 2021. The increase was primarily due to an increase in compensation expenses of \$1.7 billion, largely resulting from a 10% increase in headcount. This increase was partially offset by a reduction in depreciation expense of \$315 million including the effect of our change in the estimated useful life of our servers and certain network equipment.

Over time, R&D expenses as a percentage of revenues may fluctuate due to certain expenses that are generally less variable in nature and may not correlate to the changes in revenues. In addition, R&D expenses may be affected by a number of factors including continued investment in ads, Android, Chrome, Google Cloud, Google Maps, Google Play, hardware, machine learning, Other Bets, Search and YouTube.

Sales and Marketing

The following table presents our sales and marketing expenses (in millions, except percentages):

	Three Months Ended				ded			
	 June 30,				June 30,			
	2020		2021		2020		2021	
Sales and marketing expenses	\$ 3,901	\$	5,276	\$	8,401	\$	9,792	
Sales and marketing expenses as a percentage of revenues	10.2 %)	8.5 %		10.6 %		8.4 %	

Sales and marketing expenses consist primarily of:

- · Advertising and promotional expenditures related to our products and services; and
- · Compensation expenses (including SBC) for employees engaged in sales and marketing, sales support, and certain customer service functions.

Sales and marketing expenses increased \$1.4 billion from the three months ended June 30, 2020 to the three months ended June 30, 2021, primarily driven by an increase in advertising and promotional activities of \$808 million and compensation expenses of \$496 million. The increase in advertising and promotional activities was largely affected by reduced spending in the prior year comparable period as a result of COVID-19. The increase in compensation expenses was largely due to a 13% increase in headcount.

Sales and marketing expenses increased \$1.4 billion from the six months ended June 30, 2020 to the six months ended June 30, 2021, primarily driven by an increase in compensation expenses of \$864 million and advertising and promotional activities of \$672 million. The increase in compensation expenses was largely due to an 11% increase in headcount. The increase in advertising and promotional activities was largely affected by reduced spending in the prior year comparable period as a result of COVID-19.

Over time, sales and marketing expenses as a percentage of revenues may fluctuate due to certain expenses that are generally less variable in nature and may not correlate to the changes in revenues. In addition, sales and marketing expenses may be affected by a number of factors including the seasonality associated with new product and service launches and strategic decisions regarding the timing and extent of our spending.

General and Administrative

The following table presents our general and administrative expenses (in millions, except percentages):

	Three Months Ended			Six Months Ended					
	June 30,			June 30,					
		2020		2021		2020		2021	
General and administrative expenses	\$	2,585	\$	3,341	\$	5,465	\$	6,114	
General and administrative expenses as a percentage of revenues		6.7 %	,	5.4 %		6.9 %		5.2 %	

General and administrative expenses consist primarily of

- · Compensation expenses (including SBC) for employees in our finance, human resources, information technology, and legal organizations;
- Depreciation;
- · Equipment-related expenses;
- · Legal-related expenses; and
- · Professional services fees primarily related to audit, information technology consulting, outside legal, and outsourcing services.

General and administrative expenses increased \$756 million from the three months ended June 30, 2020 to the three months ended June 30, 2021. The increase was primarily driven by a \$796 million increase in charges relating to legal matters. The increase was partially offset by a \$246 million decline in allowance for credit losses for accounts receivable.

General and administrative expenses increased \$649 million from the six months ended June 30, 2020 to the six months ended June 30, 2021. The increase was primarily driven by a \$1.0 billion increase in charges relating to legal matters. The increase was partially offset by a \$739 million decline in allowance for credit losses for accounts receivable, as the prior year comparable period reflected a higher allowance related to the economic impact of COVID-19.

Over time, general and administrative expenses as a percentage of revenues may fluctuate due to certain expenses that are generally less variable in nature and may not correlate to the changes in revenues, the effect of discrete items such as legal settlements, or allowances for credit losses for accounts receivable.

Segment Profitability

The following table presents our segment operating income (loss) (in millions).

	Three Months Ended June 30,					Six Months Ended June 30,			
		2020		2021		2020		2021	
Operating income (loss):									
Google Services	\$	9,539	\$	22,343	\$	21,087	\$	41,889	
Google Cloud		(1,426)		(591)		(3,156)		(1,565)	
Other Bets		(1,116)		(1,398)		(2,237)		(2,543)	
Corporate costs, unallocated		(614)		(993)		(1,334)		(1,983)	
Total income from operations	\$	6,383	\$	19,361	\$	14,360	\$	35,798	

Google Services

Google Services operating income increased \$12.8 billion from the three months ended June 30, 2020 to the three months ended June 30, 2021. The increase was due to growth in revenues partially offset by increases in TAC, content acquisition costs, as well as charges related to certain legal matters and compensation expenses. The increase in expenses was partially offset by a reduction in costs driven by the change in the estimated useful life of our servers and certain network equipment. The adverse effect of COVID-19 on the prior year comparable period results positively affected the year-over-year increase in operating income.

Google Services operating income increased \$20.8 billion from the six months ended June 30, 2020 to the six months ended June 30, 2021. The increase was due to growth in revenues partially offset by increases in TAC, content acquisition costs, compensation expenses and charges related to certain legal matters. The increase in expenses was partially offset by a reduction in costs driven by the change in the estimated useful life of our servers and certain network equipment. The adverse effect of COVID-19 on prior year comparable period results positively affected the year-over-year increase in operating income.

Google Cloud

Google Cloud operating loss decreased \$835 million and \$1.6 billion from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021, respectively. The decrease in operating loss was primarily driven by growth in revenues, partially offset by an increase in expenses, primarily driven by compensation expenses. The increase in expenses was partially offset by a reduction in costs driven by the change in the estimated useful life of our servers and certain network equipment.

Other Bets

Other Bets operating loss increased \$282 million and \$306 million from the three and six months ended June 30, 2020 to the three and six months ended June 30, 2021, respectively. The increase in operating loss was primarily driven by increases in valuation-based compensation charges.

Other Income (Expense), Net

The following table presents other income (expense), net (in millions):

	Three Months Ended		Six Months Ended					
	June 30,			June 30,				
	 2020	2021			2020		2021	
Other income (expense), net	\$ 1,894	\$	2,624	\$	1,674	\$	7,470	

Other income (expense), net, increased \$730 million from the three months ended June 30, 2020 to the three months ended June 30, 2021. The change was primarily driven by an increase in unrealized gains recognized for our non-marketable equity securities of \$1.7 billion during the three months ended June 30, 2021, partially offset by a decrease in net unrealized gains recognized for our marketable equity securities of \$499 million and an increase in accrued performance fees of \$448 million.

Other income (expense), net, increased \$5.8 billion from the six months ended June 30, 2020 to the six months ended June 30, 2021. The change was primarily driven by increases in net unrealized gains recognized for our marketable and non-marketable equity securities of \$784 million, \$5.9 billion, respectively, during the six months ended June 30, 2021, partially offset by an increase in accrued performance fees of \$1.1 billion.

Over time, other income (expense), net, may be affected by market dynamics and other factors. Equity values generally change daily for marketable equity securities and upon the occurrence of observable price changes or upon impairment of non-marketable equity securities. Changes in our share of gains and losses in equity method investments may fluctuate. In addition, volatility in the global economic climate and financial markets could result in a significant change in the value of our investments. Fluctuations in the value of these investments has, and we expect will continue to, contribute to volatility of OI&E in future periods. For additional information about our investments, see Note 3 of the Notes to Consolidated Financial Statements included in Part I, Item 1 of this Quarterly Report on Form 10-Q.

Provision for Income Taxes

The following table presents our provision for income taxes (in millions, except for effective tax rate):

		Three Months Ended June 30,			Six Months Ended				
						June 30,			
	2	020		2021		2020		2021	
Provision for income taxes	\$	1,318	\$	3,460	\$	2,239	\$	6,813	
Effective tax rate		15.9 %		15.7 %		14.0 %		15.7 %	

Our effective tax rate was substantially consistent from the three months ended June 30, 2020 to the three months ended June 30, 2021. The change in the effective tax rate was primarily due to an increase in the stock-based compensation related tax benefit and a discrete impact from the initial establishment of a valuation allowance in 2020 for our net deferred tax assets that are not likely to be realized relating to certain of our Other Bets, largely offset by an increase in pre-tax earnings, including in countries that have higher statutory rates.

Our provision for income taxes increased from the three months ended June 30, 2020 to the three months ended June 30, 2021. The increase in the provision for income taxes was primarily due to an increase in pre-tax earnings, including in countries that have higher statutory rates, partially offset by an increase in the stock-based compensation related tax benefit and a discrete impact from the initial establishment of a valuation allowance in 2020 for our net deferred tax assets that are not likely to be realized relating to certain of our Other Bets.

Our provision for income taxes and our effective tax rate increased from the six months ended June 30, 2020 to the six months ended June 30, 2021. The increase in the provision for income taxes and our effective tax rate was primarily due to an increase in pre-tax earnings, including in countries that have higher statutory rates, partially offset by an increase in the U.S. federal Foreign-Derived Intangible Income tax deduction benefit and the stock-based compensation related tax benefit.

We expect our future effective tax rate to be affected by changes in pre-tax earnings, including the effect of countries with different statutory rates. Additionally, our future effective tax rate may be affected by changes in the valuation of our deferred tax assets or liabilities, or changes in tax laws or regulations, as well as certain discrete items.

Financial Condition

Cash, Cash Equivalents, and Marketable Securities

As of June 30, 2021, we had \$135.9 billion in cash, cash equivalents, and short-term marketable securities. Ca sh equivalents and marketable securities are comprised of time deposits, money market funds, highly liquid government bonds, corporate debt securities, mortgage-backed and asset-backed securities and marketable equity securities.

Sources, Uses of Cash and Related Trends

Our principal sources of liquidity are our cash, cash equivalents, and marketable securities, as well as the cash flow that we generate from our operations. The primary use of capital continues to be to invest for the long-term growth of the business. We regularly evaluate our cash and capital structure, including the size, pace and form of capital return to stockholders.

The following table presents our cash flows (in millions):

	0.00				
	 June 30,				
	 2020	2021			
Net cash provided by operating activities	\$ 25,444 \$	41,179			
Net cash used in investing activities	\$ (10,295) \$	(14,457)			
Net cash used in financing activities	\$ (15,684) \$	(29,597)			

Six Months Ended

Cash Provided by Operating Activities

Our largest source of cash provided by our operations are advertising revenues generated by Google Search & other properties, Google Network properties and YouTube ads. Additionally, we generate cash through sales of apps, in-app purchases, digital content products, and hardware; and licensing and service fees including fees received for Google Cloud offerings and subscription-based products.

Our primary uses of cash from our operating activities include payments to our distribution and Google Network partners, for compensation and related costs, and for content acquisition costs. In addition, uses of cash from operating activities include hardware inventory costs, income taxes, and other general corporate expenditures.

Net cash provided by operating activities increased from the six months ended June 30, 2020 to the six months ended June 30, 2021 primarily due to the net effect of increases in cash received from revenues and cash paid for cost of revenues and operating expenses, and changes in operating assets and liabilities, including the timing of income tax payments.

Cash Used in Investing Activities

Cash provided by investing activities consists primarily of maturities and sales of our investments in marketable and non-marketable securities. Cash used in investing activities consists primarily of purchases of marketable and non-marketable securities, purchases of property and equipment, and payments for acquisitions.

Net cash used in investing activities increased from the six months ended June 30, 2020 to the six months ended June 30, 2021 primarily due to a net decrease in maturities and sales of securities and increase in payments for acquisitions.

Cash Used in Financing Activities

Cash provided by financing activities consists primarily of proceeds from issuance of debt and proceeds from the sale of interest in consolidated entities. Cash used in financing activities consists primarily of repurchases of capital stock, net payments related to stock-based award activities, and repayments of debt.

Net cash used in financing activities increased from the six months ended June 30, 2020 to the six months ended June 30, 2021 primarily due to increases in cash payments for repurchases of capital stock, net payments related to stock-based award activities and repayment of debt, and a decrease in proceeds from the sale of interest in consolidated entities.

Liquidity and Material Cash Requirements

We expect existing cash, cash equivalents, short-term marketable securities, cash flows from operations and financing activities to continue to be sufficient to fund our operating activities and cash commitments for investing and financing activities for at least the next 12 months and thereafter for the foreseeable future.

As of June 30, 2021, we had long-term taxes payable of \$5.7 billion related to a one-time transition tax payable incurred as a result of the U.S. Tax Cuts and Jobs Act ("Tax Act"). As permitted by the Tax Act, we will pay the transition tax in annual interest-free installments through 2025.

In 2017, 2018 and 2019, the EC announced decisions that certain actions taken by Google infringed European competition law and imposed fines of €2.4 billion (\$2.7 billion as of June 27, 2017), €4.3 billion (\$5.1 billion as of June 30, 2018), and €1.5 billion (\$1.7 billion as of March 20, 2019), respectively. While each EC decision is under appeal, we included the fines in accrued expenses and other current liabilities on our Consolidated Balance Sheets as we provided bank quarantees (in lieu of a cash payment) for the fines.

We have a short-term debt financing program of up to \$5.0 billion through the issuance of commercial paper. Net proceeds from this program are used for general corporate purposes. As of June 30, 2021, we had no commercial paper outstanding. As of June 30, 2021, we had \$10.0 billion of revolving credit facilities with no

amounts outstanding. In April 2021, we terminated the existing revolving credit facilities, which were scheduled to exp. ire in July 2023, and entered into two new revolving credit facilities in the amounts of \$4.0 billion and \$6.0 billion, which will expire in April 2022 and April 2026, respectively. The interest rates for the new credit facilities are determined based on a formula using certain market rates, as well as our progress toward the achievement of certain sustainability goals. No amounts have been borrowed under the new credit facilities.

As of June 30, 2021, we have senior unsecured notes outstanding due from 2024 through 2060 with a total carrying value of \$12.8 billion. Refer to Note 5 of the Notes to Consolidated Financial Statements included in Part I, Item 1 of this Quarterly Report on Form 10-Q for further information on the notes.

In accordance with the authorizations of the Board of Directors of Alphabet, during the six months ended June 30, 2021, we repurchased and subsequently retired 11.1 million shares of Alphabet Class C capital stock for an aggregate amount of \$24.2 billion, respectively. In April 2021, the Board of Directors of Alphabet authorized the company to repurchase up to an additional \$50.0 billion of its Class C capital stock. In July 2021, the Alphabet board approved an amendment to the April 2021 authorization, permitting the company to repurchase both Class A and Class C shares in a manner deemed in the best interest of the company and its stockholders, taking into account the economic cost and prevailing market conditions, including the relative trading prices and volumes of the Class A and Class C shares. As of June 30, 2021, \$43.5 billion remains authorized and available for repurchase. The repurchases are being executed from time to time, subject to general business and market conditions and other investment opportunities, through open market purchases or privately negotiated transactions, including through Rule 10b5-1 plans. The repurchase program does not have an expiration date. Refer to Note 10 of the Notes to Consolidated Financial Statements included in Part I, Item 1 of this Quarterly Report on Form 10-Q.

Capital Expenditures and Leases

We make investments in land and buildings for data centers and offices and information technology assets through purchases of property and equipment and lease arrangements to provide capacity for the growth of our services and products.

During the six months ended June 30, 2020 and 2021, we spent \$11.4 billion and \$11.4 billion on capital expenditures and recognized total operating lease assets of \$1.4 billion and \$1.6 billion, respectively. As of June 30, 2021, the amount of total future lease payments under operating leases, which had a weighted average remaining lease term of 9 years, was \$15.8 billion. As of June 30, 2021, we have entered into leases that have not yet commenced with future lease payments of \$7.4 billion, excluding purchase options, that are not yet recorded on our Consolidated Balance Sheets. These leases will commence between 2021 and 2026 with non-cancelable lease terms of 1 to 25 years.

For the six months ended June 30, 2020 and 2021, our depreciation and impairment expenses on property and equipment were \$6.1 billion and \$5.3 billion, respectively. The change in estimated useful life of our servers and certain network equipment was effective beginning in fiscal year 2021. The effect of this change in accounting estimate was a reduction in depreciation expense of \$1.6 billion for the six months ended June 30, 2020 and 2021, our operating lease expenses (including variable lease costs), were \$1.4 billion and \$1.6 billion, respectively. Finance leases were not material for the six months ended June 30, 2020 and 2021.

Critical Accounting Policies and Estimates

See Part II, Item 7, "Critical Accounting Policies and Estimates" in our Annual Report on Form 10-K for the year ended December 31, 2020. There have been no material changes to our critical accounting policies and estimates since our Annual Report on Form 10-K for the year ended December 31, 2020.

Available Information

Our website is located at www.abc.xyz, and our investor relations website is located at www.abc.xyz/investor. Our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and our Proxy Statements, and any amendments to these reports, are available through our investor relations website, free of charge, after we file them with the SEC. We also provide a link to the section of the SEC's website at www.sec.gov that has all of the reports that we file or furnish with the SEC.

We webcast via our investor relations website our earnings calls and certain events we participate in or host with members of the investment community. Our investor relations website also provides notifications of news or announcements regarding our financial performance and other items of interest to our investors, including SEC filings, investor events, press and earnings releases, and blogs. We also share Google news and product updates on Google's Keyword blog at https://www.blog.google/, which may be of interest or material to our investors. Further, corporate governance information, including our certificate of incorporation, bylaws, governance guidelines,

board committee charters, and code of conduct, is also available on our investor relations website under the heading "Other." The content of our websites are not incorporated by reference into this Quarterly Report on Form 10-Q or in any other report or document we file with the SEC, and any references to our websites are intended to be inactive textual references only.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

We are exposed to financial market risks, including changes in foreign currency exchange rates, interest rates and equity investment risks. Our exposure to market risk has not changed materially since December 31, 2020. For quantitative and qualitative disclosures about market risk, refer to Part II, Item 7A, Quantitative and Qualitative Disclosures About Market Risk, in our Annual Report on Form 10-K for the year ended December 31, 2020.

ITEM 4. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our chief executive officer and chief financial officer, evaluated the effectiveness of our disclosure controls and procedures pursuant to Rule 13a-15 under the Exchange Act, as of the end of the period covered by this Quarterly Report on Form 10-Q.

Based on this evaluation, our chief executive officer and chief financial officer concluded that, as of June 30, 2021, our disclosure controls and procedures are designed at a reasonable assurance level and are effective to provide reasonable assurance that information we are required to disclose in reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to our management, including our chief executive officer and chief financial officer, as appropriate, to allow timely decisions regarding required disclosure.

Changes in Internal Control over Financial Reporting

We rely extensively on information systems to manage our business and summarize and report operating results. In 2019, we began a multi-year implementation of a new global enterprise resource planning ("ERP") system, which will replace much of our existing core financial systems. The ERP system is designed to accurately maintain our financial records, enhance the flow of financial information, improve data management and provide timely information to our management team. The implementation is expected to continue in phases over the next few years. During the quarter ended June 30, 2021, we completed the implementation of certain of our subledgers, which included changes to our financial close processes, procedures and internal controls over financial reporting. As we continue with our phased implementation, we will evaluate quarterly whether such changes materially affect our internal control over financial reporting.

Other than the implementation of the subledgers as described above, there were no changes in our internal control over financial reporting that occurred during the quarter ended June 30, 2021 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

As a result of COVID-19, our global workforce continued to operate primarily in a work from home environment for the quarter ended June 30, 2021. While we continue to evolve our work model in response to the uneven effects of the ongoing pandemic around the world, we believe that our internal controls over financial reporting continue to be effective. We have continued to re-evaluate and refine our financial reporting process to provide reasonable assurance that we could report our financial results accurately and timely.

Limitations on Effectiveness of Controls and Procedures

In designing and evaluating the disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. In addition, the design of disclosure controls and procedures must reflect the fact that there are resource constraints and that management is required to apply its judgment in evaluating the benefits of possible controls and procedures relative to their costs.

PART II. OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

For a description of our material pending legal proceedings, see Note 9 "Contingencies - Legal Matters" of the Notes to Consolidated Financial Statements included in Part I, Item 1 of this Quarterly Report on Form 10-Q, which is incorporated herein by reference.

ITEM 1A. RISK FACTORS

Our operations and financial results are subject to various risks and uncertainties, including those described in Part I, Item 1A, "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2020, which could adversely affect our business, financial condition, results of operations, cash flows, and the trading price of our common and capital stock. Below are changes to our risk factors since our Annual Report on Form 10-K for the year ended December 31, 2020.

We cannot guarantee that any share repurchase program will be fully consummated or will enhance long-term stockholder value, and share repurchases could increase the volatility of our stock prices and could diminish our cash reserves.

We engage in share repurchases of our Class A and Class C stock from time to time in accordance with authorizations from the Board of Directors of Alphabet. Our repurchase program does not have an expiration date and does not obligate Alphabet to repurchase any specific dollar amount or to acquire any specific number of shares. Further, our share repurchases could affect our share trading prices, increase their volatility, reduce our cash reserves and may be suspended or terminated at any time, which may result in a decrease in the trading prices of our stock.

The concentration of our stock ownership limits our stockholders' ability to influence corporate matters.

Our Class B common stock has 10 votes per share, our Class A common stock has one vote per share, and our Class C capital stock has no voting rights. As of June 30, 2021, Larry Page and Sergey Brin beneficially owned approximately 85.3% of our outstanding Class B common stock, which represented approximately 51.5% of the voting power of our outstanding common stock. Through their stock ownership, Larry and Sergey have significant influence over all matters requiring stockholder approval, including the election of directors and significant corporate transactions, such as a merger or other sale of our company or our assets, for the foreseeable future. In addition, because our Class C capital stock carries no voting rights (except as required by applicable law), the issuance of the Class C capital stock, including in future stock-based acquisition transactions and to fund employee equity incentive programs, could continue Larry and Sergey's current relative voting power and their ability to elect all of our directors and to determine the outcome of most matters submitted to a vote of our stockholders. The share repurchases made pursuant to our repurchase program may also affect Larry and Sergey's relative voting power. This concentrated control limits or severely restricts other stockholders' ability to influence corporate matters and we may take actions that some of our stockholders do not view as beneficial, which could reduce the market price of our Class A common stock and our Class C capital stock.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

Issuer Purchases of Equity Securities

The following table presents information with respect to Alphabet's repurchases of Class C capital stock during the quarter ended June 30, 2021.

Period	Total Number of Shares Purchased (in thousands) ⁽¹⁾	Α	Average Price Paid per Share ⁽²⁾	Total Number of Shares Purchased as Part of Publicly Announced Programs (in thousands) (1)	proximate Dollar Value of Shares that May Yet Be Purchased Under the Program (in millions)
April 1 - 30	1,599	\$	2,279.07	1,599	\$ 52,605
May 1 - 31	1,918	\$	2,351.68	1,918	\$ 48,095
June 1 - 30	1,859	\$	2,496.57	1,859	\$ 43,454
Total	5,376			5,376	

The repurchases are being executed from time to time, subject to general business and market conditions and other investment opportunities, through open market purchases or privately negotiated transactions, including through Rule 10b5-1 plans. The repurchase program does not have an expiration date. See Note 10 in Part I, Item 1 of this Quarterly Report on Form 10-Q for additional information related to share repurchases.

⁽²⁾ Average price paid per share includes costs associated with the repurchases.

ITEM 6. EXHIBITS

Exhibit			Incorporated by reference herein	
lumber		Description	Form	Date
•	•	Alphabet Inc. 2021 Stock Plan Currer	t Report on Form 8-K (File No. July1e 4 37580)	, 2021
I ◆	*	Alphabet Inc. 2021 Stock Plan - Form of Alphabet Restricted Stock Unit Agreement		
•	*	Alphabet Inc. 2021 Stock Plan - Form of Alphabet Non-CEO Performance Stock Unit Agreement		
*		Certification of Chief Executive Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002		
*		Certification of Chief Financial Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002		
‡		Certifications of Chief Executive Officer and Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002		
s *		Inline XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document		
:H *		Inline XBRL Taxonomy Extension Schema Document		
L *		Inline XBRL Taxonomy Extension Calculation Linkbase Document		
F *		Inline XBRL Taxonomy Extension Definition Linkbase Document		
В *		Inline XBRL Taxonomy Extension Label Linkbase Document		
E *		Inline XBRL Taxonomy Extension Presentation Linkbase Document		
		Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)		
•		Indicates management compensatory plan, contract, or arrangemen	ıt.	
*		Filed herewith.		
‡		Furnished herewith.		

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

July 27, 2021

July 27, 2021

ALPHABET INC.

By: /s/ RUTH M. PORAT

Ruth M. Porat

Senior Vice President and Chief Financial Officer

ALPHABET INC.

By: /s/ AMIE THUENER O'TOOLE

Amie Thuener O'Toole

Vice President and Chief Accounting Officer

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