RELX

Annual Report on Form 20-F 2019

As filed with the Securities and Exchange Commission on February 20, 2020

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 20-F

(Mark One)

☐ REGISTRATION STATEMENT PURSUANT TO SECTION 12(b) or 12(g) OF THE SECURITIES EXCHANGE ACT OF 1934

Or

☑ ANNUAL REPORT PURSUANT TO SECTION 13 or 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2019

Or

☐ TRANSITION REPORT PURSUANT TO SECTION 13 or 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from to

Or

☐ SHELL COMPANY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Commission file number: 1-13334

RELX PLC

(Exact name of Registrant as specified in its charter)

England

(Jurisdiction of incorporation or organisation)

1-3 Strand, London, WC2N 5JR, England

(Address of principal executive offices)

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Company Secretary
RELX PLC
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(Name, telephone, e-mail and/or facsimile number and address of Company Contact Person)

Securities registered or to be registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of exchange on which registered
American Depositary Shares (each representing one RELX PLC ordinary share)	RELX	New York Stock Exchange
Ordinary shares of 14 51/116p each (the "RELX PLC ordinary shares")		New York Stock Exchange*
3.500% Guaranteed Notes due 2023	RELX/23	New York Stock Exchange
1.300% Guaranteed Notes due 2025	RELX/25	New York Stock Exchange
4.000% Guaranteed Notes due 2029	RELX/29	New York Stock Exchange

* Listed, not for trading, but only in connection with the listing of the applicable Registrant's American Depositary Shares issued in respect thereof.

Securities registered or to be registered pursuant to Section 12(g) of the Act: None

Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act: None

Indicate the number of outstanding shares of each of the issuer's classes of capital or common stock as of December 31, 2019:

	Number of outstanding shares
Ordinary shares of 14 51/116p each	1,931,782,622

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Yes ☑ No ☐

If this report is an annual or transition report, indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934.

Yes ☐ No ☑

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes ☑ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).

Yes ☑ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, accelerated filer, non-accelerated filer or emerging growth company. See definition of "accelerated filer," "large accelerated filer" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☑ Accelerated filer ☐ Non-accelerated filer ☐

Emerging growth company ☐

If an emerging growth company that prepares its financial statements in accordance with U.S. GAAP, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards† provided pursuant to Section 13(a) of the Exchange Act.

† The term "new or revised financial accounting standard" refers to any update issued by the Financial Accounting Standards Board to its Accounting Standards Codification after April 5, 2012.

Indicate by check mark which basis of accounting the registrant has used to prepare the financial statements included in this filing.

☐ US GAAP ☑ International Financial Reporting Standards as issued by the International Accounting Standards Board ☐ Other

If "Other" has been checked in response to the previous question indicate by check mark which financial statement item the registrant has elected to follow:

Item 17 ☐ Item 18 ☐

If this is an annual report, indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes ☐ No ☑

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* The registrant has responded to Item 18 in lieu of responding to this Item.

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GENERAL

RELX PLC is a publicly-held entity, and owns all of the Group's businesses.

As used in this Annual Report on Form 20-F, the terms "Group", "RELX", "we", "our" or "us" refer collectively to RELX PLC and its subsidiaries, associates and joint ventures. For dates and periods ended before the corporate simplification on September 8, 2018, such terms refer collectively to RELX PLC, RELX NV, RELX Group plc and its subsidiaries, associates and joint ventures. Additional terms are defined in the Glossary of Terms on pages S-1 and S-2.

In this annual report, references to US dollars, $ and ¢ are to US currency; references to sterling, £, pence or p are to UK currency; references to euro and € are to the currency of the European Economic and Monetary Union.

Statements regarding our competitive position included herein were obtained from internal surveys, market research, publicly available information and industry publications. While we believe that the market research, publicly available information and industry publications we use are reliable, we have not independently verified market and industry data from third-party sources. Moreover, while we believe our internal surveys are reliable, they have not been verified by any independent source.

This document contains references to the RELX website, either within the document or incorporated by reference. Information not specifically stated as being incorporated by reference to the RELX website or any other website referenced is not incorporated into this document and should not be considered part of this document.

Pursuant to Rule 12b-23(a) of the US Securities Exchange Act of 1934, as amended (the "Exchange Act"), certain information in this Annual Report on Form 20-F is being incorporated by reference to the RELX Annual Report and Financial Statements 2019 appended hereto as Exhibit 15.2. With the exception of the items and pages so specified, the RELX Annual Report and Financial Statements 2019 are not deemed to be filed as part of this Form 20-F.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This annual report contains a number of forward-looking statements within the meaning of Section 27A of the US Securities Act of 1933, as amended, and Section 21E of the Exchange Act, with respect to, among others:

- our financial condition;
- our results of operations;
- our competitive positions;
- the features and functions of and markets for the products and services we offer; and
- our business plans and strategies.

We consider any statements that are not historical facts to be "forward-looking statements". These statements are based on the current expectations of the management of our businesses and are subject to risks and uncertainties that could cause actual results or outcomes to differ from those expressed in any forward-looking statement. These differences could be material; therefore, you should evaluate forward-looking statements in light of various important factors, including those set forth or incorporated by reference in this annual report.

Important factors that could cause our actual results to differ materially from estimates or forecasts contained in the forward-looking statements include, among others:

- current and future economic, political and market forces;
- changes in law and legal interpretation affecting our intellectual property rights and internet communications;
- regulatory and other changes regarding the collection or use of third-party content and data;
- changes to the levels or models of government funding for, or spending by academic institutions;
- demand for our products and services;
- competitive factors in the industries in which we operate;
- ability to realise the future anticipated benefits of acquisitions;
- significant failure or interruption of our systems;
- compromises of our data security systems or other unauthorised access to our databases;
- failure to comply with settlement orders by the US Federal Trade Commission ("FTC");
- failure of third parties to whom we have outsourced business activities;
- our ability to retain high-quality management;
- changes in the market values of defined benefit pension scheme assets and in the market related assumptions used to value scheme liabilities;
- changes in tax laws and uncertainty in their application;
- exchange rate fluctuations;
- adverse market conditions or downgrades to the credit ratings of our debt;
- breaches of generally accepted ethical business standards or applicable laws;
- failure to realise our assumptions regarding goodwill and indefinite lived intangible assets; and
- other risks referenced from time to time in the filings of RELX PLC with the Securities and Exchange Commission (the "SEC"), including the risks described in Item 3 under the heading "Risk Factors" in this annual report.

The terms "estimate", "project", "plan", "intend", "expect", "should", "could", "will", "believe", "trends" and similar expressions may indicate a forward-looking statement. Forward-looking statements are found at various places throughout this annual report and the other information incorporated by reference in this annual report.

You should not place undue reliance on these forward-looking statements, which speak only as of the date of this annual report. Except as may be required by law, we undertake no obligation to publicly update or release any revisions to these forward-looking statements to reflect events or circumstances after the date of this annual report or to reflect the occurrence of unanticipated events.

PART I

ITEM 3: KEY INFORMATION

SELECTED FINANCIAL DATA

The selected consolidated financial data should be read in conjunction with, and is qualified by, the consolidated financial statements for RELX which are set forth on pages 128 to 174 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2. RELX PLC is a publicly-held entity.

The consolidated financial statements are prepared in accordance with accounting policies that are in conformity with International Financial Reporting Standards ("IFRS") as issued by the International Accounting Standards Board ("IASB"). The selected financial data as at December 31, 2019 and 2018 and for the years ended December 31, 2019, 2018 and 2017 set out below has been extracted or derived from the audited consolidated financial statements, set forth on pages 128 to 174 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2. The selected financial data as at December 31, 2017, 2016 and 2015 and for the years ended December 31, 2016 and 2015 set out below has been extracted or derived from our audited financial statements, which are not included herein. The selected financial data as at a date and for any period ended before the corporate simplification on September 8, 2018 is presented on a consolidated basis for RELX PLC and RELX NV as a single reporting entity.

Consolidated Income Statement Data[1]

	For the year ended December 31,				
	2019	**2018**	**2017**[5]	**2016**[5]	**2015**
			(in millions)		
Amounts in accordance with IFRS:					
Revenue	**£7,874**	£7,492	£7,341	£6,889	£5,971
Operating profit[2]	**2,101**	1,964	1,905	1,708	1,497
Net finance costs	**(305)**	(211)	(199)	(213)	(174)
Disposals and other non-operating items[3]	**51**	(33)	15	(36)	(11)
Profit before tax	**1,847**	1,720	1,721	1,459	1,312
Tax expense[4]	**(338)**	(292)	(65)	(301)	(298)
Net profit for the year	**1,509**	1,428	1,656	1,158	1,014
Net profit for the year attributable to non-controlling interests	**(4)**	(6)	(8)	(8)	(6)
Net profit attributable to RELX PLC shareholders	**£1,505**	£1,422	£1,648	£1,150	£1,008

Consolidated Statement of Financial Position Data[1]

	As at December 31,				
	2019	**2018**	**2017**[5]	**2016**[5]	**2015**
			(in millions)		
Amounts in accordance with IFRS:					
Total assets	**£13,789**	£13,999	£12,632	£13,714	£11,185
Non-current borrowings	**(4,354)**	(4,973)	(4,491)	(4,087)	(3,278)
Net assets	**2,190**	2,359	2,313	2,308	2,178
Non-controlling interests	**(24)**	(30)	(21)	(38)	(34)
Shareholders' equity	**£ 2,166**	£ 2,329	£ 2,292	£ 2,270	£ 2,144

(1) The consolidated financial data is prepared in accordance with accounting policies that are in conformity with IFRS as issued by the IASB. All results relate to continuing operations.

(2) Operating profit is stated after charging £295 million in respect of amortisation of acquired intangible assets (2018: £288 million; 2017: £314 million; 2016: £346 million; 2015: £296 million); £84 million in respect of acquisition-related costs (2018: £84 million; 2017: £56 million; 2016: £51 million; 2015: £35 million); £12 million expense in respect of taxation in joint ventures (2018: £11 million expense; 2017: £10 million expense; 2016: £10 million expense; 2015: £6 million credit) and includes finance income from joint ventures and associates of £1 million (2018: £1 million; 2017: £1 million; 2016: £1 million; 2015: nil).

(3) Disposals and other non-operating items comprise a £26 million gain on disposal of businesses and assets held for sale (2018: £22 million loss; 2017: £10 million gain; 2016: £23 million loss; 2015: £8 million loss), no charge in respect of property provisions on disposed businesses (2018: nil; 2017: nil; 2016: nil; 2015: £11 million), and an £25 million gain relating to the revaluation of investments (2018: £11 million loss; 2017: £5 million gain; 2016: £13 million loss; 2015: £8 million gain).

(4) Tax expense in 2018 includes a one-off tax credit of £112 million relating to the substantial resolution of certain prior year tax matters and the deferred tax effect of tax rate reductions in the Netherlands and the United States. In 2017 a £346 million one-off tax credit was recognized relating to a one-off non-cash credit from a deferred tax adjustment arising from the US Tax Cuts and Jobs Act.

(5) The 2017 and 2016 results have been restated for the retrospective adoption of IFRS 9 — 'Financial instruments', 15 — 'Revenue from contracts with customers' and 16 — 'Leases'.

Earnings per share and dividends

	For the year ended December 31,				
	2019	**2018**	**2017**[3]	**2016**[3]	**2015**
	(in millions, except per share amounts)				
Amounts in accordance with IFRS:					
RELX PLC					
Earnings per RELX PLC ordinary share	**77.4p**	71.9p	81.6p	55.8p	46.4p
Diluted earnings per RELX PLC ordinary share	**76.9p**	71.4p	81.0p	55.3p	46.0p
Dividends per RELX PLC ordinary share[1]	**43.3p**	40.1p	37.4p	32.55p	26.40p
Weighted average number of shares[2]	**1,943.5**	1,977.2	2,019.4	2,062.3	2,108.6

(1) RELX PLC dividends paid in the year, in amounts per ordinary share, comprise a 2018 final dividend of 29.7p and 2019 interim dividend of 13.6p giving a total of 43.3p. The directors of RELX PLC have proposed a 2019 final dividend of 32.1p (2018: 29.7p; 2017: 27.7p; 2016: 25.7p; 2015: 22.30p), giving a total ordinary dividend in respect of the financial year of 45.7p (2018: 42.1p; 2017: 39.4p; 2016: 35.95p; 2015: 29.70p). Translated at the December 31, 2019 noon buying rate of $1.33 per £1.00, dividends paid in the year amount to $0.58 per ordinary share and total ordinary dividends in respect of the financial year amount to $0.61 per ordinary share.

(2) Weighted average number of shares excludes shares held in treasury and shares held by the Employee Benefit Trust. Weighted average number of shares prior to 2018 includes RELX PLC and RELX NV shares.

(3) The 2017 and 2016 results have been restated for the retrospective adoption of IFRS 9, 15 and 16.

RISK FACTORS

The principal and emerging risks facing our business are included below. Additional risks not presently known to us or that we currently deem immaterial may also impair our business.

Current and future economic, political and market forces, and dislocations beyond our control may adversely affect demand for our products and services.

Demand for our products and services may be adversely impacted by factors beyond our control, such as the economic environment in the United States, Europe and other major economies, international trading relations, political uncertainties, epidemics, acts of war and civil unrest, and levels of government funding available to our customers.

Our intellectual property rights may not be adequately protected under current laws in some jurisdictions, which may adversely affect our results and our ability to grow.

Our products and services include and utilise intellectual property. We rely on trademark, copyright, patent and other intellectual property laws to establish and protect our proprietary rights in this intellectual property. There is a risk that our proprietary rights could be challenged, limited, invalidated or circumvented, which may impact demand for and pricing of our products and services. Copyright laws are subject to national legislative initiatives, as well as cross border initiatives, such as those from the European Commission and increased judicial scrutiny in several jurisdictions in which we operate. This creates additional challenges for us in protecting our proprietary rights in content delivered through the internet and electronic platforms.

Regulatory changes regarding the collection and use of third-party information by us or compromises of our data privacy controls and other unauthorized access to our databases, could adversely affect our businesses and operations.

Our businesses rely extensively upon content and data from external sources. Data is obtained from public records, governmental authorities, customers and other information companies, including competitors. The disruption or loss of data sources, either because of data privacy laws or because data suppliers decide not to supply them, may impose limits on our collection and use of certain kinds of information about individuals and our ability to communicate such information effectively with our customers. Examples of data privacy laws relating to internet communications, privacy and data protection, e-commerce, information governance and use of public records include the European Union's General Data Protection Regulation ('GDPR') and the California Consumer Privacy Act ('CCPA'), as well as evolving regulation in many jurisdictions where RELX operates.

Compromise of data privacy, through a failure of our cyber security measures, other data loss incidents or failure to comply with requirements for proper collection, storage and transmittal of data, by ourselves, or our third-party service providers, may damage our reputation and expose us to risk of loss, fines and penalties, litigation and increased regulation.

Changes in the payment model for our scientific, technical and medical primary research products or alternative publication channels for our content could adversely affect our operations.

Our Scientific, Technical and Medical ('STM') primary research content, like that of most of our competitors, is sold largely on a paid subscription basis. There is continued debate in government, academic and library communities, which are the principal customers for our STM content, regarding to what extent such content should be funded instead through fees charged to authors or authors' funders and/or made freely available in some form after a period following publication. Some of these methods, if widely adopted, could adversely affect our revenue from paid subscriptions.

We cannot assure you that there will be continued demand for our products and services.

Our businesses are dependent on the continued demand by our customers for our products and services and the value placed on them. Failure to deliver enhanced value to our customers could impact demand for our products and services and consequently adversely affect our revenue or the long-term returns from our investment in electronic product and platform initiatives.

We operate in a highly competitive and dynamic environment that is subject to rapid change.

Our businesses operate in highly competitive and dynamic markets, and the means of delivering our products and services, and the products and services themselves, continue to change in response to rapid technological innovations, legislative and regulatory changes, the entrance of new competitors and other factors. Failure to anticipate and quickly adapt to these changes could impact the competitiveness of our products and services and consequently adversely affect our revenue.

We may not realise all of the future anticipated benefits of acquisitions.

We supplement our organic development with selected acquisitions. If we are unable to generate the anticipated benefits such as revenue growth and/or cost savings associated with these acquisitions this could adversely affect return on invested capital and financial condition or lead to an impairment of goodwill.

A significant failure or interruption of our electronic delivery platforms, networks or infrastructure would adversely affect our businesses and operations.

Our businesses are dependent on electronic platforms and networks, primarily the internet, for delivery of our products and services. These could be adversely affected if our electronic delivery platforms, networks or supporting infrastructure experience a significant failure, interruption or security breach.

Compromises of our cyber security systems and other unauthorized access to our databases, could adversely affect our businesses and operations.

Our businesses maintain online databases and platforms delivering our products and services, which we rely on, and provide data to third parties, including customers and service providers. These databases and information are a target for compromise and face a risk of unauthorised access and use by unauthorised parties.

Our cyber security measures, and the measures used by our third-party service providers, may not detect or prevent all attempts to compromise our systems, which may jeopardise the security of the data we maintain or may disrupt our systems. Failures of our cyber security measures could result in unauthorised access to our systems, misappropriation of our or our users' data, deletion or modification of stored information or other interruption to our business operations. As techniques used to obtain unauthorised access to or to sabotage systems change frequently and may not be known until launched against us or our third-party service providers we may be unable to anticipate or implement adequate measures to protect against these attacks and our service providers and customers may likewise be unable to do so.

Compromises of our or our third-party service providers' systems, or failure to comply with applicable legislation or regulatory or contractual requirements could adversely affect our financial performance, damage our reputation and expose us to risk of loss, fines and penalties, litigation and increased regulation.

Our business, operations and reputation could be adversely affected by a failure to comply with FTC settlement orders.

We are subject to numerous and evolving laws and regulations designed to protect certain information and, through our Risk & Business Analytics business in the United States, we are party to two consent orders and two subsequent related supplemental orders embodying settlements, regarding our compliance with US federal laws governing consumer information and security-related issues, including certain fraudulent data access incidents. Failure to comply with these orders could result in civil penalties and adversely affect our business, operations and reputation.

Our businesses may be adversely affected by the failure of third parties to whom we have outsourced business activities.

Our organisational and operational structures depend on outsourced and offshored functions, including use of cloud service providers. Poor performance, failure or breach of third parties to whom we have outsourced activities, could adversely affect our business performance, reputation and financial condition.

We may be unable to implement and execute our strategic and business plans if we cannot maintain high-quality management.

The implementation and execution of our strategies and business plans depend on our ability to recruit, motivate and retain skilled employees and management. We compete globally and across business sectors for talented management and skilled individuals, particularly those with technology and data analytics capabilities. An inability to recruit, motivate or retain such people could adversely affect our business performance. Failure to recruit and develop talent regardless of gender, race, national origin or other characteristics could adversely affect our reputation and business performance.

Changes in the market values of defined benefit pension scheme assets and in the assumptions used to value defined benefit pension scheme obligations may adversely affect our businesses.

We operate a number of pension schemes around the world, including local versions of the defined benefit type in the UK and the United States. The US scheme is closed to future accruals. The UK scheme has been closed to new hires since 2010. The members who continue to accrue benefits now represent a small portion of the overall UK-based workforce. The assets and obligations associated with those pension schemes are sensitive to changes in the market values of the scheme's investments and the market-related assumptions used to value scheme liabilities. Adverse changes to asset values, discount rates, longevity assumptions or inflation could increase funding requirements.

Changes in tax laws or uncertainty over their application and interpretation may adversely affect our reported results.

Our businesses operate globally, and our profits are subject to taxation in many different jurisdictions and at differing tax rates. The Organisation for Economic Co-operation and Development ('OECD') is continuing to explore changes to the way in which profits are allocated for tax purposes between jurisdictions and other reforms. As a result of the OECD's work and other initiatives, tax laws that currently apply to our businesses may be amended by the relevant authorities or interpreted differently by them, and these changes could adversely affect our reported results.

Fluctuations in exchange rates may affect our results.

The RELX consolidated financial statements are expressed in pounds sterling and are subject to movements in exchange rates on the translation of the financial information of businesses whose operational currencies are other than sterling. The United States is our most important market and, accordingly, significant fluctuations in the US dollar exchange rate could significantly affect our reported results. We also earn revenues and incur costs in a range of other currencies, including the euro and the yen, and significant fluctuations in these exchange rates could also significantly impact our reported results.

Market conditions and credit ratings may affect the availability and cost of funding.

Macroeconomic, political and market conditions may adversely affect the availability and terms of short and long-term funding, volatility of interest rates, the credit quality of our counterparties, currency exchange rates and inflation. The majority of our outstanding debt instruments are, and any of our future debt instruments may be, publicly rated by independent rating agencies. Our borrowing costs and access to capital may be adversely affected if the credit ratings assigned to our debt are downgraded.

Breaches of generally accepted ethical business standards or applicable statutes concerning bribery could adversely affect our reputation and financial condition.

As a global provider of professional information solutions to the STM, risk & business analytics, legal and exhibitions markets we, our employees and major suppliers are expected to adhere to high standards of integrity and ethical conduct, including those related to anti-bribery and anti-corruption, sanctions, competition and principled business conduct. A breach of generally accepted ethical business standards or applicable laws could adversely affect our business performance, reputation and financial condition.

Our impairment analysis of goodwill and indefinite lived intangible assets incorporates various assumptions which are highly judgmental. If these assumptions are not realized, we may be required to recognize a charge in the future for impairment.

As at December 31, 2019, goodwill on the consolidated statement of financial position amounted to £6,824 million and intangible assets with an indefinite life amounted to £114 million. We conduct an impairment test at least annually, which involves a comparison of the carrying value of goodwill and indefinite lived intangible assets by cash generating unit with estimated values in use based on latest management cash flow projections. The assumptions used in the estimation of value in use are, by their very nature, highly judgmental, and include profit growth of the business over a five-year forecast period, the long-term growth rate of the business thereafter, and related discount rates. There is no guarantee that our businesses will be able to achieve the forecasted results which have been included in the impairment tests and impairment charges may be required in future periods if we are unable to meet these assumptions.

ITEM 4: INFORMATION ON THE GROUP

BUSINESS OVERVIEW

RELX PLC is a publicly-held entity.

RELX is a global provider of information-based analytics and decision tools for professional and business customers. RELX serves customers in more than 180 countries and has offices in about 40 countries. It employs over 33,000 people, of whom almost half are in North America.

We operate in four major market segments: Scientific, Technical & Medical; Risk & Business Analytics; Legal; and Exhibitions.

- Scientific, Technical & Medical provides information and analytics that help institutions and professionals progress science, advance healthcare and improve performance.
- Risk & Business Analytics provides customers with information-based analytics and decision tools that combine public and industry-specific content with advanced technology and algorithms to assist them in evaluating and predicting risk and enhancing operational efficiency.
- Legal provides legal, regulatory and business information and analytics that help customers increase their productivity, improve decision-making and achieve better outcomes.
- Exhibitions is a leading global events business. It combines face-to-face with data and digital tools to help customers learn about markets, source products and complete transactions at over 500 events in almost 30 countries, attracting more than 7 million participants.

Information on revenue by geographical market is set forth in note 2 to our consolidated financial statements under the heading "Revenue and segment analysis" on page 134 to 137 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

	Revenue Year ended December 31,					
	2019		**2018**		**2017**	
	(in millions, except percentages)					
Scientific, Technical & Medical	**£2,637**	**34%**	£2,538	34%	£2,473	34%
Risk & Business Analytics	**2,316**	**29**	2,117	28	2,073	28
Legal	**1,652**	**21**	1,618	22	1,686	23
Exhibitions	**1,269**	**16**	1,219	16	1,109	15
Total	**£7,874**	**100%**	£7,492	100%	£7,341	100%

SCIENTIFIC, TECHNICAL & MEDICAL

The information set forth under the headings 'Business Overview', 'Market opportunities', 'Strategic priorities' and 'Business model, distribution channels and competition' on pages 12 to 15 of the RELX Annual Report and Financial Statements 2019 is incorporated herein by reference to Exhibit 15.2.

RISK & BUSINESS ANALYTICS

The information set forth under the headings 'Business Overview', 'Market opportunities', 'Strategic priorities' and 'Business model, distribution channels and competition' on pages 18 to 21 of the RELX Annual Report and Financial Statements 2019 is incorporated herein by reference to Exhibit 15.2.

LEGAL

The information set forth under the headings 'Business Overview', 'Market opportunities', 'Strategic priorities' and 'Business model, distribution channels and competition' on pages 24 to 27 of the RELX Annual Report and Financial Statements 2019 is incorporated herein by reference to Exhibit 15.2.

EXHIBITIONS

The information set forth under the headings 'Business Overview', 'Market opportunities', 'Strategic priorities' and 'Business model, distribution channels and competition' on pages 30 to 33 of the RELX Annual Report and Financial Statements 2019 is incorporated herein by reference to Exhibit 15.2.

ORGANISATIONAL STRUCTURE

RELX PLC is a publicly-held entity with its shares listed on the London, Amsterdam and New York stock exchanges.

Trading on the New York Stock Exchange is in the form of American Depositary Shares (ADSs) evidenced by American Depositary Receipts (ADRs) issued by Citibank N.A., as depositary.

Subsidiaries, Associates, Joint Ventures and Business Units

A list of subsidiaries, associates, joint ventures and business units is included as Exhibit 8.0 to this Form 20-F.

HISTORY AND DEVELOPMENT

Introduction

RELX PLC was originally incorporated in 1903. In 1993, RELX PLC combined with RELX NV by contributing their respective businesses into two jointly owned companies. In 2015, the structure was simplified so that all of the businesses were owned by one jointly controlled company, RELX Group plc. In 2018, the structure was further simplified whereby RELX NV merged into RELX PLC to form a single parent company, RELX PLC. RELX PLC owns 100% of the shares in RELX Group plc, which in turn owns all of the operating businesses, subsidiaries and financing activities of the Group.

Material acquisitions and disposals

Total cash spent on acquisitions in the three years ended December 31, 2019, was £1,538 million. Cash spent on acquisitions in 2019 was £437 million (2018: £960 million; 2017: £141 million) including deferred consideration of £24 million (2018: £16 million; 2017: £13 million) on past acquisitions and spend on venture capital investments of £8 million (2018: £13 million; 2017: £10 million).

Net cash inflow in relation to disposals made in 2019, after timing differences and separation and transaction costs, was £48 million (2018: £5 million; 2017: £41 million).

Capital expenditure

Capital expenditure on property, plant, equipment and internally developed intangible assets principally relates to the development of electronic products and investment in systems infrastructure, computer equipment and office facilities. Total such capital expenditure, which was financed using cash flows generated from operations, amounted to £381 million in 2019 (2018: £365 million; 2017: £355 million). The majority of capital expenditure is incurred in the United States, the United Kingdom and the Netherlands. In 2019, there was continued investment in new products and related infrastructure. Further information on capital expenditure is included in notes 2, 15 and 17 to the consolidated financial statements under the headings ‘Revenue and segment analysis’, ‘Intangible assets’ and ‘Property, plant and equipment’ on pages 137, 154 and 156 respectively of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

Principal executive offices

The principal executive offices of RELX PLC are located at 1-3 Strand, London WC2N 5JR, England. Tel: +44 20 7166 5500. The principal executive office of RELX PLC located in the United States is at 230 Park Avenue, New York, New York, 10169. Tel: +1 212 309 8100. Our internet address is www.relx.com. The information on our website is not incorporated by reference into this report.

Our agent in the United States is Kenneth Thompson II, General Counsel Intellectual Property, Privacy and Governance, RELX; kenneth.thompson@relx.com, 9443 Springboro Pike, B4/F5/S14, Miamisburg, Ohio, 45342.

PROPERTY, PLANT AND EQUIPMENT

We own or lease approximately 262 properties around the world as at December 31, 2019. The table below identifies the principal owned and leased properties in our property portfolio as at December 31, 2019.

Location	Principal use(s)	Floor space (square feet)
Owned properties		
Alpharetta, Georgia	Office and data centre	406,000
Miamisburg, Ohio	Office	403,638
Leased properties		
New York, New York	Office	451,800
Miamisburg, Ohio	Office and data centre	213,802
Sutton, England	Office	191,960
Amsterdam, Netherlands	Office	180,021

All of the above properties are substantially occupied by RELX with the exception of the New York, New York property which has been subleased to new tenants and no longer houses any RELX staff.

No property owned or leased by us which is considered material to us taken as a whole is presently subject to liabilities relating to environmental regulations and none has major encumbrances.

INTELLECTUAL PROPERTY

Our products and services include and utilise intellectual property content delivered through a variety of media, including online, journals and books. We rely on trademark, copyright, patent, trade secret and other intellectual property laws, as well as in some cases licensing arrangements with third parties, to establish and protect our proprietary rights in these products and services.

GOVERNMENT REGULATION

Certain of our businesses provide authorised customers with products and services such as access to public records and other information on individuals. Our businesses that provide such products and services are subject to applicable privacy and consumer information laws and regulations, including US federal and state laws and regulations, and regulations applicable to jurisdictions that are subject to or follow EU and member state regulation. Our compliance obligations vary, and may include, among other things, reasonable data security programmes, submissions of regulatory reports, providing consumers with certain notices and in some instances, correcting inaccuracies in reports available through our products. From time to time, we respond in the ordinary course to inquiries and investigations from regulators who are charged with enforcing the laws and regulations applicable to our businesses. We are also subject to the terms of consent decrees and other settlements with certain regulators in the United States. See "Item 8: Financial Information — Legal Proceedings" on page 33.

Section 219 of the Iran Threat Reduction and Syria Human Rights Act of 2012 (the "ITRA"), which added Section 13(r) to the Exchange Act, requires disclosures regarding certain activities relating to Iran or with persons designated pursuant to various US Presidential Executive Orders. These disclosures are required even where the activities, transactions or dealings were conducted in compliance with applicable law. We engage in a limited amount of activity with Iran (a) through our non-US affiliates and businesses, as well as (b) pursuant to authorisations — in the form of exemptions or licenses — issued by the US government. We anticipate that similar transactions or dealings may occur in the future. The ownership or control of our customers in Iran is often difficult to determine with certainty.

During 2019,

- our Scientific, Technical & Medical business provided subscriptions to online products and print publications to a number of universities, hospitals and other entities, including those listed below;
- our Risk & Business Analytics business provided online subscription services to a number of oil, petrochemical and other companies, including those listed below; and
- our Exhibitions business provided exhibition space to companies including IRIB Media Trade.

Numerous Iranian nationals attended conferences organised by our Exhibitions and Risk & Business Analytics businesses. Individuals located in Iran also subscribed to or purchased certain of our scientific, medical and technical publications. Many of these individuals are researchers, doctors or other professionals who have obtained subscriptions or purchased publications in their individual capacity, but who may be employed by government agencies in Iran or by hospitals,

universities or other entities owned or controlled by the government of Iran. In addition, we work with authors, other contributors and journal editorial board members who are located in Iran, many of whom are employed at hospitals, universities or research institutions that are owned or controlled by the government of Iran. We also sometimes receive payments from authors located in Iran who pay us to make their articles publicly available. From time to time, we may employ or engage individuals in Iran to assist with transactions in Iran.

Our aggregate revenue during the fiscal year ended December 31, 2019 attributable to these Iran-related activities was approximately £1.8 million compared to £7.1 million in 2018. We do not customarily allocate net profit on a subscription-by-subscription, individual customer or country-by-country basis. However, we estimate that our net profit during the fiscal year ended December 31, 2019 attributable to these activities was 0.02% of our net profit reported in our income statement for the fiscal year ended December 31, 2019 compared to 0.09% for the fiscal year ended December 31, 2018.

Entities that transacted with our Scientific, Technical & Medical Business in 2019

Ahvaz Jondishapour University of Medical Sciences, Aja University of Medical Sciences, Alborz University of Medical Sciences, Amirkabir University of Technology, Arak University of Medical Sciences, Ardabil University of Medical Sciences, Babol University of Medical Science, Birjand University of Medical Sciences, Bojnourd University, Boushehr University of Medical Sciences, Bu Ali Sina University, Fasa University of Medical Science, Ferdowsi University of Mashhad, Golestan University of Medical Sciences and Health Services, Gonabad University of Medical Sciences, Guilan University of Medical Sciences, Hamedan University of Medical Science, Health Electronic Library, Higher Education Center of Eghlid, Hormozgan University of Medical Sciences, Ilam University of Medical Sciences, Imam Hossein Hospital, Imam Khomeini Hospital, Imam Reza University, Iran University of Medical Sciences, Iran University of Science and Technology, Iranian Research Institute for Information Science and Technology, Isfahan University of Medical Sciences, Islamic Azad University, Islamic World Science Citation Center, Jahrom University of Medical Science, Jiroft University of Medical Sciences, Kashan University of Medical Sciences, Kerman University of Medical Sciences, Kermanshah University of Medical Sciences, Kharazmi University, KN Toosi University of Technology, Kurdistan University of Medical Sciences, Lorestan University of Medical Sciences, Maragheh University of Medical Sciences, Mashhad University of Medical Sciences, Mazandaran University of Medical Sciences, Medical University of Dezful, National Institute for Genetic Engineering and Biotechnology, North Khorasan University of Medical Sciences, Orumieh University, Persian Gulf University, Qazvin University of Medical Sciences, Qom University of Medical Sciences and Health Services, Rafsanjan University of Medical Sciences, Sabzevar University of Medical Sciences, School of Medicine & Affiliated Hospitals, School of Public Health, Semnan University, Semnan University of Medical Sciences and Health Services, Shahed University Faculty of Medical Sciences, Shaheed Beheshti University of Medical Sciences, Shahid Bahonar University of Kerman, Shahid Beheshti University, Shahid Chamran University, Shahid Rajaee Teacher Training University, Shahid Sadoughi University of Medical Sciences and Health Services, Shahrekord University, Shahrekord University of Medical Science, Shahroud University of Medical Sciences, Shariati Hospital, Shiraz University, Shiraz University of Medical Sciences, Tabriz University of Medical Sciences, Tarbiat Modares University, Tehran University of Medical Sciences, University of Isfahan, University of Kashan, University of Sistan and Baluchestan, University of Social Welfare and Rehabilitation Science, University of Tabriz, University of Tehran, Urmia University of Medical Sciences, Yasooj University of Medical Sciences Kohkiloyeh, Zabol University of Medical Sciences, Zahedan University of Medical Sciences, Zanjan University of Medical Sciences

Entities that transacted with our Risk & Business Analytics Business in 2019

Abadan Petrochemical Company, Bakhtar Commercial Company, Bakhtar Petrochemical Company, Esfahan Petrochemical Company, Excell Worldwide DMCC, Fanavaran Petrochemical Company, Ghaed Bassir Petrochemical Company, Iran Chemical Industries Investment Company, Laleh Petrochemical Company, Marun Petrochemical Company, Morvarid Petrochemical Company, National Petrochemical Company, Petro Paak Mashreq Zamin Company, Petrochemical Commercial Company, Polynar Corporation, Shazand Petrochemical Company, Tabriz Petrochemical Company, TOPCO, Yas Banafsh Tehran Trading Company, Zagros Petrochemical Company

ITEM 5: OPERATING AND FINANCIAL REVIEW AND PROSPECTS

The following discussion does not address certain items in respect of our fiscal year ended December 31, 2017 in reliance on amendments to disclosure requirements adopted by the SEC in 2019. A discussion of our fiscal year ended December 31, 2017 may be found in "Item 5: Operating and Financial Review and Prospects" of our Annual Report on Form 20-F for the fiscal year ended December 31, 2018, filed with the SEC on February 28, 2019.

OPERATING RESULTS

The following discussion is based on the consolidated financial statements of the Group for the two years ended December 31, 2019 and 2018 which have been prepared in accordance with IFRS as issued by the IASB.

The following discussion should be read in conjunction with, and is qualified by reference to, the consolidated financial statements on pages 128 to 174 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

The following tables analyse the Group's revenue in each of the two years ended December 31, 2019 and 2018 by type, format and geographic market. We derive our revenue principally from subscriptions, transactional and advertising sales. Transactional sales include revenue from exhibitions. For additional information, see note 2 to the consolidated financial statements under the heading 'Revenue and segment analysis' on pages 134 to 137 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

Revenue by type
Year ended December 31,

	2019		2018	
	(in millions, except percentages)			
Subscriptions	**£4,129**	**52%**	£3,889	52%
Transactional	**3,678**	**47**	3,521	47
Advertising	**67**	**1**	82	1
Total	**£7,874**	**100%**	£7,492	100%

Revenue by format
Year ended December 31,

	2019		2018	
	(in millions, except percentages)			
Electronic	**£5,929**	**75%**	£5,513	74%
Face-to-face	**1,260**	**16**	1,221	16
Print	**685**	**9**	758	10
Total	**£7,874**	**100%**	£7,492	100%

Revenue by geographic market
Year ended December 31,

	2019		2018	
	(in millions, except percentages)			
North America	**£4,391**	**56%**	£4,091	55%
Europe	**1,800**	**23**	1,808	24
Rest of world	**1,683**	**21**	1,593	21
Total	**£7,874**	**100%**	£7,492	100%

The cost profile of individual businesses within the Group varies and costs are controlled on an individual business unit basis. Our most significant cost item is staff costs of £2,498 million (2018: £2,350 million).

The following tables show revenue and adjusted operating profit for each of our business segments in each of the two years ended December 31, 2019 and 2018 together with the percentage change in 2019 and 2018 at both actual and constant currencies. The effect of currency movements on the 2019 results is further described separately below (see "— Effect of Currency Translation" on page 18). Adjusted operating profit is included on the basis that it is the key segmental profit measure used by management to evaluate performance and allocate resources to the business segments, as reported under IFRS 8 — 'Operating Segments' in note 2 to the consolidated financial statements under the heading 'Revenue and segment analysis' on pages 134 to 137 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2. Adjusted operating profit represents operating profit before amortisation of acquired intangible assets and acquisition-related costs, and is grossed up to exclude the equity share of finance income, finance costs and taxes in joint ventures. A reconciliation of reported operating profit to adjusted operating profit is set out on page 15.

Revenue by segment, reported operating profit and adjusted operating profit by segment are as follows:

	Revenue for the year ended December 31			
	2019	2018	% change	
			actual rates	constant rates[1]
	(in millions, except percentages)			
Scientific, Technical & Medical	**£2,637**	**£2,538**	+4%	+1%
Risk & Business Analytics	**2,316**	**2,117**	+9%	+5%
Legal	**1,652**	**1,618**	+2%	-1%
Exhibitions	**1,269**	**1,219**	+4%	+2%
Total	**£7,874**	**£7,492**	+5%	+2%

	Reported operating profit for the year ended December 31		
	2019	2018	% change
			actual rates
	(in millions, except percentages)		
Reported operating profit	£2,101	£1,964	+7%

	Adjusted operating profit for the year ended December 31			
	2019	2018	% change	
			actual rates	constant rates[1]
	(in millions, except percentages)			
Scientific, Technical & Medical	**£ 982**	**£ 942**	+4%	+2%
Risk & Business Analytics	**853**	**776**	+10%	+5%
Legal	**330**	**320**	+3%	+1%
Exhibitions	**331**	**313**	+6%	+4%
Subtotal	**£2,496**	**£2,351**		
Unallocated items	**(5)**	**(5)**		
Total	**£2,491**	**£2,346**	+6%	+3%

(1) Represents percentage change in 2019 over 2018 using constant currency. These rates were used in the preparation of the 2018 consolidated financial statements.

Non-GAAP financial measures

RELX uses adjusted figures, which are not defined by generally accepted accounting principles ("GAAP") such as IFRS. Adjusted figures and underlying growth rates are presented as additional performance measures used by management, as they provide relevant information in assessing the Group's performance, position and cash flows. We believe that these measures enable investors to track more clearly the core operational performance of the Group by separating out items of income or expenditure relating to acquisitions, disposals and capital items, and by excluding exceptional tax credits. This provides our investors with a clear basis for assessing our ability to raise debt and invest in new business opportunities.

Management uses these financial measures, along with IFRS financial measures, in evaluating the operating performance of the Group as a whole and of the individual business segments. Adjusted financial measures should not be considered in isolation from, or as a substitute for, financial information presented in compliance with IFRS. The measures may not be directly comparable to similarly reported measures by other companies.

The adjusted and underlying financial measures used in the results of operations discussion on pages 16 to 18 are: underlying revenue growth, adjusted operating profit, underlying adjusted operating profit growth, adjusted operating margin, underlying adjusted operating margin and adjusted net profit attributable to RELX PLC shareholders. These measures as well as certain other metrics are defined in the Glossary of Terms on pages S-1 and S-2.

Underlying revenue and adjusted operating profit growth rates are calculated at constant currencies and exclude the results of acquisitions until twelve months after purchase, disposals and assets held for sale. Underlying revenue growth rates also exclude the effects of exhibition cycling.

Adjusted operating profit excludes amortisation of acquired intangible assets, acquisition-related costs, and is grossed up to exclude the equity share of finance income, finance costs and taxes in joint ventures.

Adjusted operating margin is calculated as adjusted operating profit as a percentage of revenue. Underlying adjusted operating margin is calculated at constant currencies and excludes portfolio effects. These metrics are also defined in the glossary beginning on page S-1.

Adjusted net profit attributable to RELX PLC shareholders is reconciled to reported net profit attributable to RELX PLC shareholders in note 10 to the consolidated financial statements under the heading 'Earnings per share' on page 148 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2. Reconciliations of all other non-GAAP financial measures to the most directly comparable measure reported under IFRS are set forth in the tables below.

In the tables below and the results of operations commentary that follows, percentage movements are calculated using the average exchange rates for the period unless otherwise stated.

Adjusted operating profit reconciles to reported operating profit as follows:

	2019	**2018**
	(in millions)	
Reported operating profit	**£2,101**	£1,964
Adjustments:		
Amortisation of acquired intangible assets	**295**	288
Acquisition-related costs	**84**	84
Reclassification of tax in joint ventures	**12**	11
Reclassification of finance income in joint ventures	**(1)**	(1)
Adjusted operating profit	**£2,491**	£2,346

The calculations of the year-on-year changes in reported revenue and underlying revenue growth are presented below:

	Revenue	
	£m	% change
Year to December 31, 2017[1]	7,341	
Underlying revenue growth[2]	273	+4%
Exhibition cycling	53	+1%
Acquisitions	114	+1%
Disposals	(125)	-2%
Currency effects	(164)	-2%
Year to December 31, 2018	7,492	+2%
Underlying revenue growth[2]	253	+4%
Exhibition cycling	(59)	-1%
Acquisitions	83	+1%
Disposals	(117)	-2%
Currency effects	222	+3%
Year to December 31, 2019	7,874	+5%

(1) The 2017 results have been restated for the retrospective adoption of IFRS 9, 15 and 16.

(2) Underlying revenue growth represents the year over year movement in reported revenue excluding the impact of the adjustments set forth in the table.

The calculations of the year-on-year changes in adjusted operating profit and underlying adjusted operating profit growth are presented below:

	Adjusted operating profit	
	£m	% change
Year to December 31, 2017[1]	2,284	
Underlying adjusted operating profit growth[2]	130	+6%
Acquisitions	9	0%
Disposals	(50)	-2%
Currency effects	(27)	-1%
Year to December 31, 2018	2,346	+3%
Underlying adjusted operating profit growth[2]	101	+5%
Acquisitions	16	0%
Disposals	(48)	-2%
Currency effects	76	+3%
Year to December 31, 2019	2,491	+6%

(1) The 2017 results have been restated for the retrospective adoption of IFRS 9, 15 and 16.

(2) Underlying adjusted operating profit growth represents the year over year movement in adjusted operating profit excluding the impact of the adjustments set forth in the table.

Results of Operations for the Year Ended December 31, 2019
Compared to the Year Ended December 31, 2018

Reported revenue was £7,874 million (2018: £7,492 million), up 5% (2018: 2%). The increase in reported revenue reflects good growth in electronic and face-to-face revenues, partially offset by continued print revenue declines. Underlying revenue growth was 4% (2018: 4%) with all four market segments contributing to underlying growth.

Reported operating costs, which comprises cost of sales, selling and distribution costs, and administration and other expenses, were £5,814 million (2018: £5,560 million), up 5% (2018: 2%). Cost of sales were £2,755 million (2018: £2,644 million), up 4% (2018: 1%) compared to 2018, lower than the overall increase in revenue. Selling and distribution costs were £1,292 million (2018: £1,191 million), up 8% (2018: 2%) and administration and other expenses were £1,767 million (2018: £1,725 million), up 2% (2018: up 3%).

Reported operating profit, which includes amortisation of acquired intangible assets and acquisition-related costs, was £2,101 million (2018: £1,964 million), an increase of 7% (2018: 3%).

Adjusted operating profit was £2,491 million (2018: £2,346 million), up 6% (2018: 3%), reflecting the benefit of process innovation across the Group.

The reported operating margin was 26.7% (2018: 26.2%). The overall adjusted operating margin of 31.6% was 0.3 percentage points higher than in the prior year. On an underlying basis, including cycling effects, the margin improved by 0.6 percentage points. Acquisitions and disposals reduced the margin by 0.3 percentage points and currency effects had no net impact on the margin.

Depreciation and amortisation of internally generated intangible assets increased to £307 million (2018: £287 million). Depreciation of right-of-use assets increased to £82m (2018: £77m).

The amortisation charge in respect of acquired intangible assets, including the share of amortisation in joint ventures, increased to £295 million (2018: £288 million), with the impact of acquisitions largely offset by disposals and assets which have become fully amortised. Acquisition-related costs were the same as the prior year, at £84 million (2018: £84 million).

Reported net finance costs were £305 million (2018: £211 million). The reported net finance costs include a charge of £99m in respect of the early redemption of bonds that were due to be repaid in October 2022.

Reported gain on disposals and other non-operating items was £51 million (2018: £33 million loss) arising largely from the disposal of certain Legal assets and venture capital investments. These gains are partly offset by an associated tax charge of £11 million (2018: £14 million credit).

Reported profit before tax was £1,847 million (2018: £1,720 million).

The reported tax charge was £338 million (2018: £292 million) including a credit of £89 million in respect of the substantial resolution of certain historical tax issues.

The reported net profit attributable to RELX PLC shareholders of £1,505 million (2018: £1,422 million) was up 6% (2018: 14% down). The adjusted net profit attributable to RELX PLC shareholders of £1,808 million (2018: £1,674 million) was up 8% (2018: 3%).

The reported earnings per share was 77.4p (2018: 71.9p).

Adjusted earnings per share were up 10% at 93.0p (2018: 84.7p). At constant rates of exchange, adjusted earnings per share increased by 7%.

Ordinary dividends paid to shareholders in the year, being the 2018 final and 2019 interim dividend, amounted to £842 million (2018: £796 million).

The final dividend proposed by the Board is 32.1p per share, 8% higher than the final dividend for the prior year. This gives total dividends for the year of 45.7p (2018: 42.1p).

During 2019, a combined total of 33.5 million of RELX PLC shares were repurchased. Total consideration for these repurchases was £600 million. A further 2.2 million shares were purchased by the Employee Benefit Trust. During 2019, 33.3 million RELX PLC shares held in treasury were cancelled. As at December 31, 2019, total shares in issue, net of shares held in treasury and shares held by the Employee Benefit Trust, amounted to 1,932 million. A further 5.0 million RELX PLC shares have been repurchased in 2020 as at February 12, 2020.

Scientific, Technical & Medical: 2019 financial performance

	2019 £m	2018 £m	Underlying growth	Portfolio changes	Currency effects	Total growth
Revenue	**2,637**	2,538	+2%	-1%	+3%	+4%
Adjusted operating profit	**982**	942	+3%	-1%	+2%	+4%

Key business trends remained positive in 2019, with underlying revenue growth in line with the prior year.

Reported revenue growth was +4% which benefitted from the strength of the US dollar versus sterling. Underlying revenue growth was +2%. The difference between constant currency and underlying growth rates reflects the impact of portfolio changes.

Adjusted operating profit growth was +4%. Underlying adjusted operating profit growth was +3%, slightly ahead of underlying revenue growth.

Electronic revenues saw continued good growth, partially offset by print declines. In primary research we continued to enhance customer value by providing broader content sets across our research offering, increasing the sophistication of our analytics, and evolving our technology platforms.

The number of article submissions to our subscription journals continued to grow strongly. Our open access publishing programme, which now includes over 370 dedicated open access journals, saw its growth rate in articles submitted and published accelerate further as we continue to gain market share.

Databases & tools continued to drive growth across our market segments through content development and enhanced machine learning and natural language processing based functionality.

Print book revenues were down in a market that declined in line with historical trends, and print pharma promotion revenues continued to decline.

In 2019 we made three small acquisitions, including 3D4Medical, a provider of advanced 3D anatomy solutions, and disposed of minor print assets.

Risk & Business Analytics: 2019 financial performance

	2019 £m	2018 £m	Underlying growth	Portfolio changes	Currency effects	Total growth
Revenue	**2,316**	2,117	+7%	-2%	+4%	+9%
Adjusted operating profit	**853**	776	+8%	-3%	+5%	+10%

Strong underlying revenue growth continued in 2019.

Reported revenue growth was +9% which benefitted from the strength of the US dollar versus sterling. Underlying revenue growth was +7%. The difference between constant currency and underlying growth reflects the impact of portfolio changes.

Adjusted operating profit growth was +10%. Underlying adjusted operating profit growth of +8% was slightly ahead of underlying revenue growth and in line with the prior year.

In Insurance, we continued to drive growth through the roll-out of enhanced analytics, the extension of data sets, and by further expansion in adjacent verticals. The US market environment for the year as a whole was less supportive than in the prior year, but improved gradually throughout 2019. International initiatives continued to progress well.

In Business Services, further development of analytics that help our customers to detect and prevent fraud and to manage risk continued to drive growth. The US and international market environment was in line with historic trends for the year as a whole after a brief period of variability at the beginning of the year.

In Data Services, organic development of innovative new products and expansion of the range of decision tools drove strong growth in all key market verticals. In Government, we continued to drive customer value through the introduction of sophisticated analytics.

In 2019 we made two small acquisitions and disposed of minor print assets. Since the year end we have completed the acquisition of ID Analytics, a provider of credit and fraud risk solutions, and agreed to acquire Emailage, a provider of email based fraud prevention solutions.

Legal: 2019 financial performance

	2019 £m	2018 £m	Underlying growth	Portfolio changes	Currency effects	Total growth
Revenue	**1,652**	1,618	+2%	-3%	+3%	+2%
Adjusted operating profit	**330**	320	+8%	-7%	+2%	+3%

Underlying revenue growth in 2019 was in line with the prior year.

Reported revenue growth was +2% which benefitted from the strength of the US dollar versus sterling. Underlying revenue growth was +2%. The difference between the constant currency and underlying growth rates reflects the impact of portfolio changes.

Adjusted operating profit growth was +3%. Underlying adjusted operating profit growth of +8% was ahead of underlying revenue growth reflecting continued efficiency gains. The increase in operating profit margin reflects ongoing process improvements as the platform transition process comes to an end.

The market environment for legal services, and for legal information providers, remained stable. Electronic revenues saw continued growth, partially offset by print declines.

The completion of the new platform roll-out has enabled the continued release of broader data sets and further application of machine learning and natural language processing technologies that enhance our research products and market leading analytics.

In 2019 we acquired a majority stake in Knowable, a US contract analytics business, and disposed of a number of small software assets.

Exhibitions: 2019 financial performance

	2019 £m	2018 £m	Underlying growth	Portfolio changes	Currency effects	Total growth
Revenue	1,269	1,219	+6%	+2%	+2%	+4%
Adjusted operating profit	331	313	-1%	+5%	+2%	+6%

Exhibitions achieved strong underlying revenue growth in 2019, in line with the prior year.

Reported revenue growth was +4% which benefitted from the strength of the US dollar versus sterling. Underlying revenue growth was +6%. After portfolio changes and six percentage points of cycling-out effects, constant currency growth was +2%.

Adjusted operating profit growth was +6%. Underlying adjusted operating profit declined by -1%, primarily reflecting cycling-out effects. Constant currency adjusted operating profit growth was +4%, and the margin increased to 26.1% after portfolio effects and integration benefits.

We continued to pursue organic growth opportunities, launching 50 new events during the year, and piloting and rolling out further data analytics initiatives. In addition we acquired Mack Brooks, a leading organiser of over 30 highly complementary events, and we made a number of minor disposals.

In 2019 market conditions were good in Europe and the US, and remained strong in China. The negative impact of venue constraints associated with the Tokyo Olympics was offset by higher growth elsewhere, supported by our active launch programme.

In 2020 the Tokyo venue constraints could negatively impact the overall divisional revenue growth rate by one or two percentage points, before the new and expanded permanent venue capacity comes on stream at the end of the year. The extent to which the novel coronavirus (2019-nCov) outbreak will impact our business in China or other regions, remains uncertain.

Critical Accounting Policies

The accounting policies of the consolidated businesses under IFRS as issued by the IASB are described within the relevant notes to the consolidated financial statements as set forth on pages 128 to 174 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2. The most critical accounting policies and estimates used in determining the financial condition and results of the Group, and those requiring the most subjective or complex judgments, relate to the valuation of goodwill and acquired intangible assets, capitalisation of development spend, accounting for defined benefit pension schemes and taxation.

The Audit Committee of RELX PLC has reviewed the development and selection of critical accounting estimates, and the disclosure of critical accounting policies in the financial statements.

Effect of Currency Translation

The consolidated financial statements are expressed in sterling and are therefore subject to the impact of movements in exchange rates on the translation of the financial information of individual businesses whose operational currencies are other than sterling. The principal exposures in relation to the results reported in sterling are to the US dollar and the euro, reflecting our business exposure to the United States and the European Economic and Monetary Union, our most important markets. Some of these exposures are offset by denominating borrowings in US dollars and euros.

Individual businesses are subject to foreign exchange transaction exposures caused by the effect of exchange rate movements on their revenue and operating costs, to the extent that such revenue and costs are not denominated in their functional currencies. Individual businesses generally hedge their exposures at market rates through the centralised treasury department. Hedging of foreign exchange transaction exposure is the only hedging activity undertaken by the individual businesses. For further details see note 18 to the consolidated financial statements as set forth on pages 157 to 162 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

Currency differences increased the Group's revenue by £222 million in 2019 compared to 2018. Acquired intangible asset amortisation and acquisition-related costs are predominantly denominated in US dollars and, after these charges, currency differences increased operating profit by £64 million in 2019 compared to 2018. The majority of borrowings are denominated in US dollars and euros and, after charging net finance costs, currency differences increased profit before tax by £54 million in 2019 compared to 2018.

Recently Issued Accounting Pronouncements

Recently Issued Accounting Pronouncements are included in note 1 to the consolidated financial statements under the heading 'Basis of preparation and accounting policies' on page 133 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

LIQUIDITY AND CAPITAL RESOURCES

Cash Flow

Cash flows from operating activities

The Group's cash generated from operations in 2019 amounted to £2,724 million (2018: £2,555 million). Included in these net cash inflows are cash outflows of £63 million (2018: £77 million) relating to acquisition-related costs. A substantial proportion of revenue is received through subscription and similar advanced receipts, principally for scientific and medical journals and exhibition fees. At December 31, 2019 subscriptions and other revenues received in advance totalled £2,071 million (2018: £2,000 million).

Cash flows from investing activities

The Group's cash outflow on the purchase of property, plant and equipment in 2019 was £47 million (2018: £56 million), while proceeds from the sale of property, plant and equipment amounted to £2 million (2018: £4 million). The cash outflow on internally developed intangible assets in 2019 was £333 million (2018: £306 million), reflecting sustained investment in new products and related infrastructure.

During 2019, the Group paid a total of £429 million (2018: £947 million) for acquisitions, including deferred consideration of £24 million (2018: £16 million) on past acquisitions and after taking account of net cash acquired of £32 million (2018: £27 million). A further £8 million (2018: £13 million) was paid on the purchase of investments during the year. During 2019, the Group paid tax of £464 million (2018: £415 million).

Cash flows from financing activities

Share repurchases by RELX PLC in 2019 were £600 million (2018: £700 million), with a further £100 million RELX PLC shares repurchased in 2020 as at February 12, 2020. On February 13, 2020, RELX PLC announced its intention to repurchase further ordinary shares up to the value of £300 million in aggregate over the remainder of 2020. In addition, the Employee Benefit Trust purchased shares totalling £37 million in 2019 (2018: £43 million). Proceeds from the exercise of share options in 2019 were £29 million (2018: £21 million).

During 2019, the Group paid ordinary dividends totalling £842 million to shareholders of RELX PLC (2018: £796 million, including payments to shareholders of RELX NV prior to the corporate simplification). Dividend payments are funded by the operating cash flow of the business after capital spend.

Debt

Borrowings as at December 31, 2019 were £6,414 million (2018: £6,365 million). Net borrowings, used in assessing the Group's financial position, as at December 31, 2019 were £6,191 million (2018: £6,177 million), comprising gross bank and bond borrowings of £6,414 million and lease liabilities of £342 million, less cash and cash equivalents of £138 million, finance lease receivables of £33 million and £52 million of related derivative financial instrument assets. The majority of our borrowings are denominated in US dollars and euros and sterling being stronger at the end of the year reduced net borrowings when translated into sterling. Excluding currency effects, net borrowings increased by £285 million.

Net borrowings are reconciled as follows:

As at December 31	2019	2018
	£m	£m
Cash & cash equivalents	138	114
Borrowings	(6,414)	(6,365)
Related derivative financial instruments	52	25
Net finance lease receivable	33	49
Net borrowings	(6,191)	(6,177)

Liquidity

In March 2019, $950 million of dollar denominated fixed rate term debt was issued with a coupon of 4.0% and a maturity of ten years. In January 2020, $950 million of US term debt maturing in October 2022 was redeemed early, taking advantage of the make-whole election.

The Group believes that it has ample liquidity and access to debt capital markets, providing the ability to repay or refinance borrowings as they mature and to fund ongoing requirements. In addition, the Group has access to committed bank facilities aggregating $3 billion with various maturities through to 2024. At December 31, 2019 these facilities were undrawn.

Contractual Obligations

The contractual obligations of the Group relating to debt and leases at December 31, 2019 analysed by when payments are due, are summarised below.

	Total	Less than 1 year	1-3 years	3-5 years	After 5 years
			(in millions)		
Short-term borrowings[1][2]	£2,111	£2,111	£ —	£ —	£ —
Long-term borrowings[2]	5,071	104	816	1,312	2,839
Total	£7,182	£2,215	£816	£1,312	£2,839

(1) Short-term debt primarily comprises term debt issues maturing within one year and commercial paper, and is supported by committed bank facilities aggregating $3.0 billion with various maturities through to 2024 and by the central management of cash and cash equivalents. At December 31, 2019 the committed bank facilities were undrawn.

(2) Short and long-term debt obligations comprise undiscounted principal and interest cash flows. Interest cash flows are calculated by reference to the contractual payment dates and the fixed interest rates (for fixed rate debt) or the relevant forecast interest rates (for floating rate debt).

Information on retirement benefit obligations is set forth in note 6 to the consolidated financial statements under the heading 'Pension schemes' on pages 140 to 143 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

Off-Balance Sheet Arrangements

Except as disclosed above under "Contractual Obligations", we have no off-balance sheet arrangements that currently have or are reasonably likely to have a material effect on RELX's financial condition, results of operations, liquidity, capital expenditure or capital resources.

Treasury Policies

The main treasury risks faced by the Group are liquidity risk, interest rate risk, foreign currency risk and credit risk. The Board agrees overall policy guidelines for managing each of these risks. A summary of these policies is provided in note 18 to the consolidated financial statements under the heading 'Financial Instruments' on pages 157 to 162 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

Financial instruments are used to finance our businesses and to hedge transactions. Our businesses do not enter into speculative transactions.

Capital and Liquidity Management

The capital structure is managed to support the Group's objective of maximising long-term shareholder value. The Group maintains an efficient capital structure with appropriate leverage while ensuring suitable security of funding, ready access to debt and capital markets, cost-effective borrowing and flexibility to fund business and acquisition opportunities on short notice.

Over the long-term, the Group seeks to maintain cash flow conversion of 90% or higher and credit rating agency metrics that are consistent with a solid investment grade credit rating. These metrics as defined by the rating agencies include net debt to EBITDA, including and excluding pensions and leases, and various measures of cash flow as a percentage of net debt.

Net debt excluding pensions is the same as net borrowings and is shown on page 20. EBITDA is derived from net profit as follows:

	2019 (in millions)	2018 (in millions)
Net profit for the year	£1,509	£1,428
Adjustments:		
Taxation	338	292
Disposals and other non-operating items	(51)	33
Net finance costs	305	211
Amortisation of acquired intangible assets (excluding joint ventures)	294	287
Depreciation and other amortisation	389	364
Share of results of joint ventures	(41)	(32)
EBITDA	£2,743	£2,583

RELX uses the cash flow it generates to fund capital expenditure required to drive organic growth, to make selective acquisitions and to provide a growing dividend to shareholders, while retaining balance sheet strength to maintain access to cost-effective sources of borrowing. Share repurchases are undertaken to maintain an efficient balance sheet.

Further detail on our capital and liquidity management is provided in note 18 to the consolidated financial statements under the heading 'Financial Instruments' on pages 157 to 162 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

SHORT-TERM BORROWINGS

The Group operates a number of commercial paper programmes that provide flexibility for funding operational requirements on a daily basis, at short notice and at competitive rates. Commercial paper is issued under both US and Euro programmes and guaranteed by RELX PLC. In addition, short-term borrowing facilities are established with local banks to support the daily requirements of businesses operating in certain countries where there may be restrictions on borrowing from affiliates. Term debt in the table below consists of borrowings with an original maturity of greater than one year and which mature within 12 months of the reporting date. These short-term borrowings were backed up at December 31, 2019 by committed bank facilities aggregating $3.0 billion with various maturities through to 2024. These facilities were undrawn at December 31, 2019. The short-term borrowing programmes are run in conjunction with term debt programmes which comprise the majority of our debt and provide the Group with security of funding.

The average amount and the average interest rate during the year have been calculated by taking the average of the amounts outstanding at each month end (translated to sterling at the respective month end rate) and the average of the interest rate applicable at each month end. Commercial paper issuance reached a maximum month end level of £1,296 million in September 2019, and short-term loans and overdrafts reached a maximum month end level of £110 million in November 2019, both as a result of movements in trading cash flows. Term debt reached a maximum month end level of £1,188 million in December 2019 as the maturity of the €550 million term debt issue expiring in September 2020 was then below 12 months and notice of early redemption had been given on the $950 million bond (previously scheduled to mature in October 2022) such that it fell due for repayment in January 2020.

Lease liabilities have been excluded from the balances below.

Short-term borrowings as at December 31,	2019 (in millions)	2019 Weighted average interest rate %	2018 (in millions)	2018 Weighted average interest rate %
Commercial paper	£ 683	0.7	£ 542	0.3
Short-term loans and overdrafts	96	3.0	144	1.5
Term debt	1,188	2.2	614	5.8
Total short-term borrowings	£1,967		£1,300	

Average short-term borrowings during the year ended December 31,	2019 (in millions)	2019 Weighted average interest rate %	2018 (in millions)	2018 Weighted average interest rate %
Commercial paper	£836	0.4	£687	1.0
Short-term loans and overdrafts	58	4.4	56	3.3
Term debt	£320	1.8	£620	5.8

Maximum month end short-term borrowings	2019 (in millions)	2018 (in millions)
Commercial paper	£1,296	£1,123
Short-term loans and overdrafts	110	144
Term debt	£1,188	£ 834

TREND INFORMATION

Trends, uncertainties and events which can affect the revenue, operating profit and liquidity and capital resources of RELX include the usage, penetration and customer renewal of our products and the prices that customers pay for our products, the migration of products to online services, investment in new products and services, cost control and the impact of our cost reduction programmes on operational efficiency, the levels of legal industry and academic library funding, the impact of economic conditions on corporate and other customer budgets, the actions of competitors and regulatory, legislative and legal developments.

Trends, uncertainties and events which could have a material impact on our revenue, operating profit and liquidity and capital resources are discussed in further detail in "Item 3: Key Information — Risk Factors"; "Item 4: Information on the Group"; and "Item 5: Operating and Financial Review and Prospects — Operating Results; Liquidity and Capital Resources".

RESEARCH AND DEVELOPMENT

In 2019 RELX spent £333 million (2018: £306 million) in respect of capitalised development costs. This reflects sustained investment in new products and related infrastructure across the business. This expenditure was mainly incurred in the United States, the United Kingdom and the Netherlands.

ITEM 6: DIRECTORS, SENIOR MANAGEMENT AND EMPLOYEES

DIRECTORS

The information on the Directors of RELX PLC as at February 20, 2020 is set forth under the headings 'Executive Directors' and 'Non-Executive Directors' on pages 64 to 65 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

As a general rule, Non-Executive Directors serve for an initial term of three years, and are typically expected to be available to serve for a second three-year period. If invited to do so, they may also serve for a third period of three years.

The Directors are as follows:

Name (Age)	Function
Erik Engstrom (56)	Executive Director and Chief Executive Officer
Anthony Habgood (73)	Non-Executive Chair[2][3][4]
Wolfhart Hauser (70)	Non-Executive Director[2][3][4][5]
Adrian Hennah (62)	Non-Executive Director[1][3][4]
Charlotte Hogg (49)	Non-Executive Director[4]
Marike van Lier Lels (60)	Non-Executive Director[3][4]
Nick Luff (52)	Executive Director and Chief Financial Officer
Robert MacLeod (55)	Non-Executive Director[2][3][4]
Linda Sanford (67)	Non-Executive Director[2][4]
Andrew Sukawaty (64)	Non-Executive Director [1][4]
Suzanne Wood (59)	Non-Executive Director[1][4]

(1) Member of the Audit Committee.

(2) Member of the Remuneration Committee.

(3) Member of the Nominations Committee.

(4) Member of the Corporate Governance Committee.

(5) Senior Independent Director, as defined by the UK Corporate Governance Code.

SENIOR MANAGEMENT

The executive officers, other than Directors, at February 20, 2020 were:

Henry Udow: Chief Legal Officer and Company Secretary. A US and British citizen who is admitted to the Bar of New York State. Joined the Group in 2011. Prior to joining the Group he was Chief Legal Officer and Company Secretary of Cadbury plc.

Gunjan Aggarwal: Chief Human Resources Officer. Joined the Group in 2017. Prior to joining the Group she was head of Human Resources for Ericsson's global media business and before that head of Human Resources for Ericsson North America.

COMPENSATION

At the 2017 Annual General Meetings, RELX PLC and RELX NV shareholders approved a remuneration policy for Executive Directors which is incorporated herein by reference to Exhibit 15.3. The 2019 grants under the multi-year incentive plans to Executive Directors were made under this policy.

At the 2020 Annual General Meeting, proposals for a new remuneration policy will be put for approval, see pages 99 to 111 of the RELX Annual Report and Financial Statements 2019.

The policy relating to payment for loss of office of Executive Directors and Non-Executive Directors is set out on pages 5 to 6 of Exhibit 15.3 and is incorporated herein by reference.

Compensation of Executive Officers

The aggregate compensation (salary, annual incentive, benefits, pension, cash allowance in lieu of pension and dividend equivalents received in respect of shares vested during 2019 under BIP and LTIP) paid during 2019 (and in respect of the annual incentive earned in respect of 2019) to those who were executive officers (other than Directors) of RELX as at February 12, 2020 for the year ended December 31, 2019 was £2,929,383, which included contributions made to the pension plans in respect of such officers of £20,000.

The executive officers participate in an annual incentive plan (AIP) which is based on financial targets and individual key performance objectives measured over a one-year period. The resulting AIP payout comprises a cash payout in March following the end of the relevant financial year (2/3rds) and deferred shares (1/3rd) which are released to participants after three years. The 2019 aggregate compensation for executive officers includes both the cash and the deferred share elements of the 2019 AIP.

In 2019, we also granted conditional share awards to the executive officers under the LTIP (see "Share Ownership — Share Ownership by Directors and Executive Officers" below).

DIRECTORS' REMUNERATION REPORT

The Directors' Remuneration Report is set out on pages 88 to 111 of the RELX Annual Report and Financial Statements 2019 and is incorporated herein by reference to Exhibit 15.2.

SHARE OWNERSHIP

Executive Directors' multi-year incentive interests

This information is set forth under the heading 'Multi-year incentive interests' on pages 106 to 107 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

Equity-Based Plans

As of December 31, 2019, we operated and/or had awards outstanding under a number of equity-based plans as follows:

(i) All-Employee Equity-Based Plans

The following three plans are local all-employee equity based plans:

(a) UK SAYE Share Option Scheme (the SAYE Scheme)

Options over RELX PLC ordinary shares have been granted under the SAYE Scheme. Shares may be acquired at not less than the higher of (i) 80% of the closing market price for the relevant share on The London Stock Exchange three dealing days before invitations to apply for options are issued, and (ii) if new shares are to be subscribed, their nominal value.

All UK employees of RELX Group plc and participating companies under its control in employment at the date of invitation are eligible to participate in the SAYE Scheme. In addition, the Directors of RELX Group plc may permit other employees of RELX Group plc and participating companies under its control to participate.

Invitations to apply for options may normally only be issued within 42 days after the announcement of our consolidated results for any period. No options may be granted more than 10 years after the approval of the scheme. A new 2013 SAYE Share Option Scheme was implemented during 2013. It replaced the 2003 SAYE Share Option Scheme, under which the final grant of options permitted within the scheme's 10-year validity period was made during 2012.

On joining the SAYE Scheme, a save as you earn contract (a Savings Contract) must be entered with an appropriate savings body, under which savings of between £10 and £500 per month may be made to such savings body for a period of three or five years. A bonus may be payable under the Savings Contract at the end of the savings period. Bonus rates are determined by HMRC. The amount of the monthly contributions may be reduced if applications exceed the number of RELX PLC ordinary shares available for the grant of options on that occasion.

The number of RELX PLC ordinary shares over which an option may be granted is limited to that number of shares which may be acquired at the exercise price out of the repayment proceeds (including any bonus) of the Savings Contract.

Options under the SAYE Scheme may normally only be exercised for a period of six months after the bonus date under the relevant Savings Contract. However, options may be exercised earlier than the normal exercise date in certain specified circumstances, including death, or on ceasing employment on account of injury, disability, redundancy, reaching the specified retirement age, or upon retirement under our self-standing retirement policy for the SAYE Scheme or the sale of the business or subsidiary for which the participant works, or on ceasing employment for any other reason, or provided the option has been held for at least three years. Exercise is allowed in the event of an amalgamation, reconstruction or take-over of the company whose shares are under option; alternatively, such options may, with the agreement of an acquiring company or a company associated with it, be exchanged for options over shares in the acquiring company or that associated company. Options may also be exercised in the event of the voluntary winding-up of the company whose shares are under option. In the event that options are exercised before the bonus date, the participant may acquire only the number of shares that can be purchased with the accumulated savings up to the date of exercise, plus interest (if any).

In the event of any capitalisation or rights issue by RELX PLC, or of any consolidation, subdivision or reduction of its share capital, the number of shares subject to any relevant option and/or the exercise price may be adjusted with the approval of HMRC, subject to the independent auditors of RELX PLC confirming in writing that such adjustment is, in their opinion, fair and reasonable.

The Executive Directors have waived their right to participate in the SAYE Scheme.

(b) Netherlands convertible debenture stock arrangements

Subscriptions under this scheme ceased in 2017, but there are still option (formerly conversion) rights outstanding under this scheme. This facility consisted of an annual issue of a convertible debenture loan that was open for subscription by staff employed by our companies in the Netherlands or temporarily seconded to affiliates abroad. These convertible debenture loans had a term of 10 years and accrued interest on a quarterly basis, payable in arrears after the end of each year. During the 10-year term of the loan, employees could decide to convert their claim into RELX PLC shares at an exercise (conversion)

price equal to the share price on Euronext Amsterdam on the last dealing day of the month in which the employee subscribed for the loan (the exercise price). All remaining debenture loans, together with accrued interest up to the payment date, were repaid to bond holders in November 2019. When the loans were repaid, subsisting conversion rights became standalone option rights on substantially the same terms, with no change to the relevant exercise price and 10-year exercise (conversion) period.

The Executive Directors were not eligible to participate in this scheme.

(c) Dutch Share Purchase Plan (DSPP)

All Dutch employees of RELX Nederland BV and participating companies under its control who are neither in their probation period nor under notice at the date of invitation and who are in receipt of salary via a Dutch payroll are entitled to participate in the DSPP. Each cycle of the DSPP operates on a standalone basis and eligibility is assessed for each cycle that is offered. The 2019 cycle of the DSPP launched in January 2019 and completed in December 2019.

Participating employees make monthly contributions out of net salary which are used to purchase RELX PLC shares, listed on Euronext Amsterdam (investment shares). Minimum and maximum annual contribution amounts apply to each cycle. In 2019, the minimum annual contribution amount was €250 and the maximum annual contribution amount was €6,000. At the end of the 2019 DSPP cycle, participants who were still in RELX employment, and who had not sold any of the investment shares purchased during the year, received matching shares from RELX equal to 20% of the investment shares purchased during 2019. Investment shares acquired under the DSPP accrue normal RELX dividends which are automatically reinvested into additional RELX PLC shares.

The Executive Directors are not eligible to participate in the DSPP.

(ii) Executive Equity-Based Plans

Our executive equity-based plans comprise:

(a) Long-term incentive plan (LTIP)

The LTIP applies to senior executives (including executive officers and the Executive Directors). Awards may be granted as performance share awards or nil-cost options but it is currently intended to only grant performance share awards. Awards vest subject to performance measured over three financial years. Awards may be satisfied with new issue shares, a transfer of treasury shares or shares purchased in the market, but it is currently intended to continue the existing practice of satisfying awards with shares purchased in the market. The performance measures and targets applicable to awards granted in 2019 under this plan are detailed in the table below. The vesting of awards is also subject to participants meeting a minimum shareholding requirement and continued employment (except for certain categories of approved leavers). Dividend equivalents accrue over the performance period and are paid out in cash at the end to the extent that the awards vest. Further, shares vested from awards granted to the Executive Directors in 2016 and 2017 are subject to a further six months holding period post vesting which has been increased to two years for shares vested from awards granted to the Executive Directors from 2018 onwards.

LTIP: 2019-2021 cycle

Vesting is dependent on three separate performance measures: a total shareholder return ("TSR") measure (comprising three comparator groups), an EPS measure and a return on invested capital ("ROIC") measure, weighted 20%:40%:40% respectively and assessed independently.[1]

Vesting percentage of each third of the TSR tranche[2]	TSR ranking within the relevant TSR comparator group
0%	below median
25%	median
100%	upper quartile

(1) The calculation methodology for TSR, EPS and ROIC is set out in the 2013 Notices of Annual General Meeting, which can be found on our website, www.relx.com. The information on our website is not incorporated by reference into this report.

Each comparator group comprises up to 50 companies. The companies for the 2019-21 LTIP cycle were selected on the same basis as the comparator groups for prior cycles under this plan.

(2) Vesting is on a straight-line basis for performance between the minimum and maximum levels.

Vesting percentage of EPS and ROIC tranches*	Average growth in adjusted EPS over the three-year performance period	ROIC in the third year of the performance period
0%	below 5% p.a.	below 12.0%
25%	5% p.a.	12.0%
50%	6% p.a.	12.40%
65%	7% p.a.	12.8%
75%	8% p.a.	13.20%
85%	9% p.a.	13.6%
92.5%	10% p.a.	14.0%
100%	11% p.a. or above	14.4% or above

* Vesting is on a straight-line basis for performance between the stated average adjusted EPS growth/ROIC percentages.

(b) Executive share option schemes (ESOS)

The plans in this category comprise the Executive Share Option Scheme 2013 (ESOS 2013) and the Share Option Scheme 2003 (ESOS 2003). Details of the ESOS 2003 have been disclosed in previous Annual Reports on Form 20-F.

The ESOS 2013 applies to around 1,000 executives. Market value options are granted which vest (subject to performance in the case of Executive Directors) after three years and remain exercisable, subject to continued employment, until the tenth anniversary of grant. Options may be satisfied with new issue shares, a transfer of treasury shares or shares purchased in the market, but it is currently intended to continue the existing practice of satisfying options with new issue shares.

No grants under ESOS 2013 were made to Executive Directors in 2019. Outstanding unvested awards held by the executives and Directors will vest and become exercisable at the end of the relevant performance/vesting period, as applicable.

ESOS 2003 has options outstanding under it but no further options have been granted under this plan after January 1, 2013.

(c) Bonus investment plans (BIP)

No awards were made under the BIP in 2019 and no further awards will be granted under this plan. There are unvested awards outstanding under this plan which will vest at the normal time at the end of the applicable performance period.

The Bonus Investment Plan 2010 (BIP 2010) was a voluntary plan aimed at encouraging personal investment in, and ongoing holding of, RELX shares to promote greater alignment with shareholders and support the retention of key talent. Details of the BIP 2010 have been disclosed in previous Annual Reports on Form 20-F.

BIP: 2017-19 cycle

Match earned on personal investment	Average growth in adjusted EPS over the three-year performance period*	ROIC in the third year of the performance period*
0%	below 4% p.a.	below 12.5%
50%	4% p.a.	12.5%
75%	6.5% p.a.	13.0%
100%	9% p.a. or above	13.5% or above

* EPS and ROIC have equal weighting and straight-line vesting applies to performance between the points.

(d) Retention Share Plan (RSP) and Restricted Share Plan (RSP 2014)

The RSP is used to facilitate the grant of one-off awards of restricted shares, where appropriate, to senior new hires for example, to buy out share-based awards from previous employment. The restricted shares which have been awarded will be satisfied by shares purchased in the market and Executive Directors are not eligible to participate. In 2014, the RSP 2014 replaced the RSP for the type of awards described above.

Since 2006, employees eligible to participate in the ESOS (see (b) above), other than Executive Directors, have been able to choose prior to the date of grant whether to receive all or part of their grant in the form of restricted shares based on a pre-determined conversion ratio of one share for every five options that would otherwise be granted to them under ESOS. The RSP is the vehicle used to deliver the award of such restricted shares. The restricted shares vest after the expiry of three years from the date of grant, subject to the participant remaining employed by us or a participating company under our control. The restricted shares awarded are satisfied by shares purchased in the market.

Share Options and Conditional Share Awards

At February 12, 2020 the total number of shares subject to outstanding options was:

	Number of outstanding options	Options over shares	Option price range
UK SAYE Scheme	1,975,038	RELX PLC	£9.496-13.168
Netherlands Convertible Debenture Stock Scheme	997,371	RELX PLC	€ 5.34-19.39
ESOS	5,644,747	RELX PLC	£ 4.67-19.98
	3,641,662	RELX PLC	€ 5.40-19.17

Share options are expected, upon exercise, to be met by the issue of new ordinary shares.

At February 12, 2020 the following conditional share awards were also outstanding:

	Number of outstanding awards	Awards over shares in
BIP*	1,010,842	RELX PLC
LTIP	6,164,936	RELX PLC
RSP	1,134,393	RELX PLC

* Comprises RELX ordinary shares and RELX ADRs.

Share Ownership by Directors and Executive Officers

The interests of those individuals who were Directors of RELX PLC as at December 31, 2019 in the issued share capital of RELX PLC at the beginning and end of the year are shown under the heading 'Statement of Directors' shareholdings and other share interests' on page 105 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

The interests of the current Executive Directors of RELX PLC in the issued share capital of RELX PLC as at February 19, 2020 were:

	Interest in RELX PLC shares
Erik Engstrom	1,017,615*
Nick Luff	271,316

* Comprises ordinary shares and ADRs.

The following table indicates the total aggregate number of RELX PLC securities beneficially owned (comprising ordinary shares and ADRs) and the total aggregate number of share options (comprising ordinary shares only) and conditional share awards (comprising ordinary shares and ADRs) held by the executive officers (other than Directors) of the Company (two persons) in office as of February 12, 2020:

	RELX PLC shares	RELX PLC £ ordinary shares subject to options	RELX PLC € ordinary shares subject to options	RELX PLC conditional share awards
Executive officers (other than Directors)	517,572	95,552	99,186	396,161

The options over RELX PLC pound sterling denominated ordinary shares included in the above table are exercisable at prices ranging from £5.155 to £14.945 per share between the 3rd anniversary of their respective grant date and 2028 (except for SAYE options which will be exercisable for six months from the respective maturity date). The options over RELX PLC Euro denominated ordinary shares included in the above table are exercisable at prices ranging from €5.87 to €16.7225 per share between the 3rd anniversary of their respective grant date and 2028. The RELX PLC conditional share awards included in the above table will vest between 2020 and 2022.

In 2019, we granted a total of 129,241 conditional share awards to the executive officers under the LTIP (which is described above under "Executive Equity-Based Plans").

BOARD PRACTICES

The Board currently consists of two Executive Directors and nine Non-Executive Directors. Persons nominated by the Nominations Committee will be required to be approved by the Board, prior to appointment to the Board. A copy of the terms of reference of the Nominations Committee is available on request and can be viewed on our website, www.relx.com. The information on our website is not incorporated by reference into this report.

Notwithstanding the provisions outlined above in relation to the appointment to the Board, shareholders retain their rights under RELX PLC's articles of association to appoint Directors to the Board by ordinary resolution. Shareholders may also, by ordinary resolution, remove a Director from the Board.

The Board has also established the following Committees:

— Audit — currently comprising three independent Non-Executive Directors;

— Corporate Governance — currently comprising all Non-Executive Directors;

— Nominations — currently comprising five Non-Executive Directors including the Chair of the Board; and

— Remuneration — currently comprised of four Non-Executive Directors including the Chair of the Board, which is responsible for determining the remuneration policy (subject to shareholders approval) and monitoring and deciding its implementation for the Executive Directors and the Chair, and approving the remuneration for senior executives below Board level.

For additional information regarding the Board membership positions and executive officer positions within the Group, see "Directors" and "Senior Management" on page 24. Details of the membership of the Audit Committee of and details of the membership of the Remuneration Committee are given under "Directors" on page 24.

Under the articles of association of RELX PLC, one third of the Directors shall retire from office and, if they wish, make themselves available for re-election by shareholders at the Annual General Meeting. Notwithstanding these provisions in the articles of association, in accordance with the provisions of the UK Corporate Governance Code all Directors normally retire and, unless they are standing down, will offer themselves for re-election at each Annual General Meeting.

EMPLOYEES

The number of people employed is disclosed in note 5 to the consolidated financial statements under the heading 'Personnel' on page 139 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

The Board of RELX PLC is fully committed to the concept of employee involvement and participation, and encourages each of its businesses to formulate its own tailor-made approach with the co-operation of employees. We are an equal opportunity employer, and recruit and promote employees on the basis of suitability for the job. Appropriate training and development opportunities are available to all employees. A code of ethics and business conduct applicable to employees within the Group has been adopted throughout its businesses.

ITEM 7: MAJOR SHAREHOLDERS AND RELATED PARTY TRANSACTIONS

MAJOR SHAREHOLDERS

As at February 19, 2020, we had been notified by the following shareholders that they held an interest of 3% or more in voting rights[1] of the issued share capital of RELX PLC. The number of shares and percentage interests stated below are as disclosed at the date on which the interests were notified to us:

Identity of Person or Group[2]	Number of Shares	% of Class
BlackRock, Inc	155,091,407	7.84
Invesco Limited	52,329,893	4.99

(1) Under the UK Disclosure and Transparency Rules, subject to certain limited exceptions, persons or groups with an interest of 3% or more in voting rights of the issued RELX PLC ordinary share capital are required to notify both RELX PLC and the UK Financial Conduct Authority of their interest. Shares held in treasury, which do not carry voting rights, are disclosed on page 35.

(2) Under the UK Large and Medium-sized Companies and Groups (Financial Statements and Reports) Regulations 2008, RELX PLC is required to disclose information it is aware of regarding the identity of each person with a significant direct or indirect holding of securities in RELX PLC as at the financial year end.

As far as RELX PLC is aware, except as disclosed herein, it is neither directly or indirectly owned nor controlled by one or more corporations or by any government.

There were no material or unusual transactions between RELX and any of the entities listed above.

At December 31, 2019 there were 70 ordinary shareholders, including the depositary for RELX PLC's ADR programme, with a registered address in the United States, representing less than 0.01% of shares issued.

RELX PLC is not aware of any arrangements the operation of which may at a subsequent date result in a change in control of RELX PLC. The major shareholders of RELX PLC do not have different voting rights to other ordinary shareholders.

RELATED PARTY TRANSACTIONS

Transactions with joint ventures and key management personnel, comprising the Executive and Non-Executive Directors of RELX PLC, are set out in note 26 to the consolidated financial statements under the heading 'Related party transactions' on pages 168 to 169 of the RELX Annual Report and Financial Statements 2019 and is incorporated herein by reference to Exhibit 15.2.

Further details of remuneration of key management personnel are set out in "Item 6 — Directors, Senior Management and Employees".

ITEM 8: FINANCIAL INFORMATION

FINANCIAL STATEMENTS

See Item 18: Financial Statements, incorporated herein by reference.

DIVIDEND POLICY

The dividend policy of RELX PLC is, subject to currency considerations, to grow dividends broadly in line with adjusted earnings per share while maintaining dividend cover (being the number of times the annual dividend is covered by the adjusted earnings per share) of at least two times over the longer term.

LEGAL PROCEEDINGS

Various of RELX PLC's subsidiaries operating in the United States have been the subject of legal proceedings and federal and state regulatory actions relating to data security incidents, pursuant to which unauthorised persons were alleged to have obtained personal information from our databases, or alleged non-compliance with privacy laws regarding the obtaining and disclosure by such subsidiaries of information without the consent of the individuals involved. The principal actions and investigations have been settled, with the substantial portion of cash payments agreed to be paid by these subsidiaries being reimbursed by insurance and third-party indemnities. The settlements generally require comprehensive data security programmes, submissions of regulatory reports and on-going monitoring by independent third parties to ensure our compliance with the terms of those settlements. While the costs of such on-going monitoring will be borne by us, neither the costs of compliance nor the costs of such on-going monitoring are expected to have a material adverse effect on our financial position or the results of our operations.

Various of RELX PLC's subsidiaries offer products that require that we meet certain obligations in connection with the disclosure of information. Certain of these laws further provide for statutory penalties and attorneys' fees for non-compliance. In the normal course of its business, Risk & Business Analytics deals with individual and class action lawsuits claiming violation of one or more of these statutes. Other than pending matters, to date, these cases have either been settled or successfully defended with a substantial portion of cash payments agreed to be paid by our insurance providers. These proceedings have not had, and are not expected to have, a material adverse effect on our financial position or the results of our operations.

We are party to various other legal proceedings arising in the ordinary course of our business, the ultimate resolutions of which are not expected to have a material adverse effect on our financial position or the results of our operations.

ITEM 9: THE OFFER AND LISTING

TRADING MARKETS

The RELX PLC ordinary shares are listed on the London Stock Exchange, Euronext Amsterdam and the New York Stock Exchange. The London Stock Exchange is the principal trading market for RELX PLC ordinary shares. Trading on the New York Stock Exchange is in the form of American Depositary Shares (ADSs), evidenced by American Depositary Receipts (ADRs) issued by Citibank N.A., as depositary. Each ADS represents one RELX PLC ordinary share. The tickers for each of RELX PLC's listings are detailed below:

— London Stock Exchange — 'REL'

— Euronext Amsterdam — 'REN'

— New York Stock Exchange — 'RELX'

ITEM 10: ADDITIONAL INFORMATION

ARTICLES OF ASSOCIATION

A copy of RELX PLC's current Articles of Association (the "Articles") is filed as Exhibit 1.1 to this Form 20-F.

The following is a summary of the current Articles. As a summary, it is not exhaustive and is qualified in its entirety by reference to UK law and the Articles.

Company's Objects

RELX PLC's objects are unrestricted.

Share Capital

As at December 31, 2019 issued ordinary share capital comprised 1,980.8 million shares of 14 51/116 p. At December 31, 2019 shares held in treasury totalled 49.0 million. Of these, 6.7 million ordinary shares were held by the Employee Benefit Trust and 42.3 million ordinary shares were held in treasury by RELX PLC. During 2019, RELX PLC bought back a total of 33.5 million ordinary shares to be held in treasury pursuant to the authority given by shareholders at the Annual General Meeting held on April 25, 2019 and the previous authority given by shareholders at the Annual General Meeting held on April 19, 2018. On December 5, 2019, RELX PLC cancelled 33.3 million ordinary shares held in treasury. These share purchases and cancellations are reflected in the number of ordinary shares held in treasury at December 31, 2019. All share capital is fully paid up.

RELX PLC by ordinary resolution and subject to the UK Companies Act 2006 (the "Act") may:

1. Allot shares up to a limit of 1/3 of the issued share capital, a further 1/3 of the issued share capital may be allotted but only in connection with a fully pre-emptive rights issue;
2. Sub-divide all or part of the share capital into shares of a smaller nominal value than the existing shares; and
3. Consolidate and divide all or part of the share capital into shares of a larger nominal value than the existing shares.

All shares created by an increase of RELX PLC's share capital by consolidation, division or sub-division shall be subject to all the provisions of the Articles.

RELX PLC by special resolution and subject to the Act may:

1. Disapply shareholders pre-emption rights on new issue shares up to a limit of 5% of the issued share capital, and disapply pre-emption rights on new issue shares up to a further 5% of the issued share capital in connection with an acquisition or specified capital investment subject to certain conditions;
2. Buy back its own shares up to a limit of 10% of the issued share capital; and
3. Reduce its share capital.

Transfer of ordinary shares

A certificated shareholding may be transferred in the usual form or in any other form approved by the Board. The Board in its discretion may refuse to register the transfer of a certificated share which is not fully paid and may also refuse to register the transfer of a certificated share unless the instrument of transfer:

1. is stamped or certified and lodged, at the registered office or other place that the Board decide, accompanied by the relevant share certificate and any other evidence that the Board may reasonably require to prove a legitimate right to transfer;
2. is in respect of only one class of shares; and
3. is in favour of not more than four transferees.

Where the Board refuses to register a transfer of certificated shares, it must notify the transferee of the refusal within two months after the date on which the instrument of transfer was lodged with RELX PLC.

For those members holding uncertificated shares, such transfers must be conducted using a relevant system as defined in the UK Uncertificated Securities Regulations 2001.

Untraced shareholders

RELX PLC is entitled to sell any of its ordinary shares if;

1. during the period of twelve years prior to the publication of any advertisement stating the intent to sell, at least three dividends have become payable on the shares which have remained uncashed; and
2. during the period of three months following the publication of any advertisement stating the intent to sell, RELX PLC has received no indication of the location, or existence of the member, or the person entitled to the shares by way of transmission.

Dividend Rights

Subject to the provisions of the Act, the shareholders may by ordinary resolution declare a dividend no larger than the amount recommended by the Board requiring a simple majority of the votes cast. Interim dividends may also be payable if the Board deems that there is sufficient profit available for distribution. Except as otherwise provided by the rights attached to the shares, all dividends shall be declared and paid according to the amounts paid up on the shares on which the dividend is declared. No dividend payable in respect of a share shall bear interest against RELX PLC, unless otherwise provided by the rights attached to the share.

Dividends may only be paid if RELX PLC has profits available for distribution. "Profits available for distribution" is defined in the Act as "accumulated, realised profits, so far as not previously utilised by distribution or capitalisation, less accumulated, realised losses, so far as not previously written off in a reduction or reorganisation of capital duly made." RELX PLC is not permitted to pay dividends out of share capital, which includes share premium. Profits available for distribution are determined in accordance with generally accepted accounting principles at the time the relevant accounts are prepared. RELX PLC will not be permitted to make a distribution if, at the time the proposed dividend is to be made, the amount of its net assets is less than the aggregate of its called-up share capital and undistributable reserves, or if the proposed dividend will reduce the net assets below such amount.

Dividends may be paid in cash, or (subject to shareholder approval and to the procedure set out in the Articles) by way of a distribution of assets, including, without limitation, paid up shares or debentures of another body corporate or further issuance of fully paid-up RELX PLC Shares.

Unclaimed dividends

Any dividend which remains unclaimed for 12 years from the date when it became due for payment shall, if the Board so resolves, be forfeited and cease to be owed by RELX PLC to the shareholder. RELX PLC may stop issuing dividend cheques or warrants:

1. Where on at least two consecutive occasions dividend cheques/warrants are left uncashed or returned undelivered; or
2. Where after one such occasion reasonable enquiries have failed to establish an updated address.

If the member goes on to claim a dividend or warrant, RELX PLC must recommence issuing dividend cheques and warrants.

Distribution of assets on winding up

In the event of RELX PLC being wound up, on the authority of a special resolution of RELX PLC and subject to the UK Insolvency Act 1986 (as amended) the liquidator may:

1. Divide among the members the whole or any part of the assets of RELX PLC.
2. Value any assets and determine how the division should be made between the members or different classes of members.
3. Place the whole or any part of the assets in trust for the benefit of the members and determine the scope and terms of these trusts.

A member cannot be compelled to accept an asset with an inherent liability.

Variation of rights

Subject to the Act, where the capital of RELX PLC is divided into different classes of shares, the unique rights attached to the respective classes may be varied or cancelled:

1. With the written consent of the holders of 75% in nominal value of the issued shares of the class (excluding any treasury shares held in that class); or
2. By authority of a special resolution passed at a separate general meeting of the holders of the shares of the class.

General meetings of shareholders

Under the PLC Articles, a resolution put to the vote of a general meeting will be decided on a show of hands unless a vote by poll is duly demanded.

Subject to the Act, RELX PLC must hold a general meeting as its annual general meeting within six months from January 1 every year. The Board may convene a general meeting when necessary and must do so promptly upon requisition by the shareholders. The notice period for annual general meetings is 21 clear days and 14 clear days for other general meetings. Subject to the Act and the Articles, the notice shall be sent to every member at their registered address. If, on two consecutive occasions notices are sent to a members registered address and have been returned undelivered the member shall not be entitled to receive any subsequent notice.

Voting rights

On a vote on a resolution by way of a show of hands, every shareholder or duly appointed proxy who is present at the general meeting in person has one vote. On a vote on a resolution by way of a poll every shareholder present in person or by proxy has one vote for every RELX PLC Share of which he, she or it is the holder.

In the case of joint holders of a RELX PLC Share, the vote of the senior shareholder who tenders a vote, whether in person or by proxy, will be accepted to the exclusion of the votes of the other joint holders. For this purpose, seniority shall be determined by the order in which the names of the holders are listed in the register of shareholders.

Subject to the provisions of the Act, a poll may be demanded by: (i) the chair of the meeting; (ii) at least five shareholders present in person or by proxy having the right to vote on the resolution (except on the election of the chair of the meeting or on a question of adjournment); (iii) any shareholder or shareholders present in person or by proxy representing not less than 10% of the total voting rights of all the shareholders having the right to vote on the resolution (excluding any voting rights attached to any RELX PLC Shares held as treasury shares); or (iv) any shareholder or shareholders present in person or by proxy holding shares conferring a right to vote on the resolution, being shares on which an aggregate sum has been paid up equal to not less than 10% of the total sum paid up on all shares conferring that right (excluding any shares conferring a right to vote on the resolution which are held as treasury shares).

No member is entitled to vote on a partly paid share. The Board also has the discretion to prevent a member from voting in person or by proxy if they are in default of a duly served notice under section 793 of the Act, concerning a request for information about interest in RELX PLC's shares.

Directors' Interests

Subject to the provisions of the Act, where a Director declares an interest to the Board, the Board may authorise the matter proposed to it which would otherwise constitute a conflict of interest and place a Director in breach of their statutory duty. Such authorisation is effective where the Director in question is not included in the quorum for the meeting and the matter was agreed without their vote, or would have been agreed to had their vote not been counted. A Director's duty to declare an interest does not apply in the circumstances provided for by section 177(5) and 177(6) of the Act. A Director:

1. May be a party to, or otherwise interested in, any transaction or arrangement with RELX PLC or in which RELX PLC is directly or otherwise interested;
2. May act solely or with his firm in a professional capacity (not as auditor) for RELX PLC and shall be entitled to remuneration for his professional services, notwithstanding his position as Director; and
3. May be interested in a body corporate in which RELX PLC is directly or indirectly interested or where the relationship between the Director and the body corporate is at the request or direction of RELX PLC.

A Director with a declared interest that has been authorised by the Board, is not accountable to RELX PLC or its shareholders for any benefits received.

Directors' Remuneration

The remuneration of any Executive Director shall be determined by the Board in accordance with RELX PLC's Remuneration Policy and may include (without limitation) admission to or continuance of membership of any scheme (including share acquisition schemes), life assurance, pension provision or other such benefits payable to the Director on or after retirement, or to his dependants on or after death.

For Directors who do not hold an executive position in RELX PLC, their ordinary remuneration shall not exceed in aggregate £500,000 per annum or such higher amount as RELX PLC may determine by ordinary resolution from time to time (and on June 27, 2018, an ordinary resolution was passed to increase such amount to £2,000,000 per annum). Each Director shall be paid a fee for their services which is deemed to accrue from day to day at such rate as determined by the Board.

The Directors may grant extra remuneration to any Director who does not hold executive office but sits on any committee of the Board, or performs any other special services at the request of RELX PLC. This extra remuneration may be paid in addition to, or in substitution for the ordinary remuneration.

Directors' appointment/retirement/removal

The Board may appoint a person willing to act as Director, either to fill a vacancy or as an additional Director, provided the upper limit set by the Articles is not exceeded. RELX PLC may by ordinary resolution remove any Director from office, no special notice need be given and no Director proposed for removal under the Articles has a right of protest against such removal. Directors are not required to hold any shares by way of qualification. Directors are not subject to an age limit requirement for retirement.

Borrowing powers

Subject to the Act, the Board may exercise all the powers of RELX PLC to borrow money, guarantee, indemnify, mortgage or charge its undertaking, property, assets (present and future) and uncalled capital and to issue debentures and other securities whether outright or as collateral security for any debt, liability or obligation of RELX PLC or of any third party. Without the authority of an ordinary resolution the directors are prohibited from borrowing in excess of an amount equal to the higher of (i) eight thousand million pounds; and (ii) two and a half times the adjusted total of capital and reserves.

Indemnity

Subject to the Act, without bar to any other existing indemnity entitlements, RELX PLC may use its assets to indemnify a Director against liability incurred through negligence, default, breach of duty or breach of trust in relation to RELX PLC's affairs.

Redemption provision

Subject to the provisions of the Act, and without prejudice to any rights attached to any existing shares or class of shares, shares may be issued which are to be redeemed or are to be liable to be redeemed at the option of RELX PLC or the holder. The board may determine the terms, conditions and manner of redemption of shares provided that it does so before the shares are allotted.

Capital call provision

Subject to the terms of allotment, the board may from time to time make calls on the members in respect of any moneys unpaid on their shares (whether in respect of nominal value or premium). Each member shall (subject to receiving at least 14 clear days' notice specifying when and where payment is to be made) pay to RELX PLC the amount called on his shares as required by the notice. A call may be required to be paid by instalments. A call may be revoked in whole or part and the time fixed for payment of a call may be postponed in whole or part as the board may determine. A person on whom a call is made shall remain liable for calls made on him notwithstanding any subsequent transfer of the shares in respect of which the call was made. A call shall be deemed to have been made at the time when the resolution of the board authorising the call was passed. The joint holders of a share shall be jointly and severally liable to pay all calls in respect of it.

If a call or any instalment of a call remains unpaid in whole or in part after it has become due and payable the person from whom it is due and payable shall pay interest on the amount unpaid from the day it became due and payable until it is paid. The interest shall be paid at the rate fixed by the terms of allotment of the relevant share or in the notice of the call or, if no rate is fixed, at such rate, not exceeding 15% per annum or, if higher, the appropriate rate (as defined in the Act), as may be determined by the board. The board shall be at liberty to waive payment of such interest wholly or in part in respect of any individual member.

EXCHANGE CONTROLS

There is currently no UK legislation restricting the import or export of capital or affecting the remittance of dividends or other payments to holders of RELX PLC ordinary shares who are non-residents of the United Kingdom.

There are no limitations relating only to non-residents of the United Kingdom under UK law or RELX PLC's Articles on the right to be a holder of, and to vote, RELX PLC ordinary shares.

TAXATION

The following discussion is a summary under present law and tax authority practice of the material UK and US federal income tax considerations relevant to the purchase, ownership and disposal of RELX PLC ordinary shares or ADSs. This discussion applies to you only if you are a US holder, you hold your ordinary shares or ADSs as capital assets and you use the US dollar as your functional currency. It does not address the tax treatment of US holders subject to special rules, such as banks and other financial institutions, dealers or traders in securities or currencies, insurance companies, real estate investment trusts, regulated investment companies, traders in securities that elect to mark-to-market, tax-exempt entities, persons liable for alternative minimum tax, partnerships or other pass-through entities for US federal income tax purposes, holders which own (actually or constructively) 10% or more of RELX PLC shares (as measured by vote or value), persons holding ordinary shares or ADSs as part of a hedging, straddle, conversion or constructive sale transaction, or persons that are resident or domiciled in the UK (or who have ceased to be resident in the UK or became treated as resident outside the UK for the purpose of a double tax treaty within the past five years of assessment). The summary also does not discuss the US federal alternative minimum tax or the tax laws of particular states or localities in the US.

This summary does not consider your particular circumstances. It is not a substitute for tax advice. **We urge you to consult your own independent tax advisors about the income, capital gains and/or transfer tax consequences to you in light of your particular circumstances of purchasing, holding and disposing of ordinary shares or ADSs.**

As used in this discussion, "US holder" means a beneficial owner of ordinary shares or ADSs that is for US federal income tax purposes: (i) an individual US citizen or resident, (ii) a corporation (or any other entity treated as a corporation for US federal income tax purposes) created or organised under the laws of the United States, any state thereof or the District of Columbia, (iii) a trust (a) that is subject to the control of one or more US persons and the primary supervision of a US court or (b) that has a valid election in effect under US Treasury regulations to be treated as a US person or (iv) an estate the income of which is subject to US federal income taxation regardless of its source.

UK Taxation

Dividends

Under current UK taxation legislation, no tax is required to be withheld at source from dividends paid on the RELX PLC ordinary shares or ADSs. Dividends payable on the ADSs or RELX PLC ordinary shares should not be chargeable to UK tax in the hands of a non-UK resident unless such person (i) is a company carrying on a trade in the UK through a UK permanent establishment, or (ii) carries on a trade (or profession or vocation) in the UK and the dividends are a receipt of that trade.

Capital Gains

Shareholders may be liable for UK taxation on capital gains realised on the disposal of their RELX PLC ordinary shares or ADSs if at the time of the disposal the shareholder carries on a trade, profession or vocation in the United Kingdom through a branch or agency, or in the case of a company a permanent establishment, and such ordinary shares or ADSs are or have been used, held or acquired for the purposes of such trade, profession, vocation, branch, agency or permanent establishment.

UK Stamp Duty and Stamp Duty Reserve Tax

Current UK law includes a provision whereby UK stamp duty reserve tax (SDRT) or UK stamp duty is payable upon the transfer or issue of RELX PLC ordinary shares to the depositary in exchange for RELX PLC ADSs evidenced by ADRs. For this purpose, the current rate of stamp duty and SDRT is 1.5%, applied, in each case, to: (i) the issue price when the ordinary shares are issued; (ii) the amount or value of the consideration where shares are transferred for consideration in money or money's worth; or (iii) the value of the ordinary shares in any other case. Following litigation, HMRC have accepted that they will no longer seek to apply the 1.5% SDRT charge on an issue of shares into a clearance service or depositary receipt system (or a transfer of shares into a clearance service or depositary receipt system, where such transfer is integral to the raising of capital by the company concerned) on the basis that the charge is not compatible with EU law. The UK government announced on November 22, 2017 as part of its Autumn Budget that it will not reintroduce such 1.5% charge once the UK

leaves the EU in 2020. Accordingly, no UK SDRT or UK stamp duty is payable upon the issue of RELX PLC shares to the depositary in exchange for RELX PLC ADSs evidenced by ADRs (or upon the transfer of RELX PLC shares to the depositary in exchange for RELX PLC ADSs evidenced by ADRs, where such transfer is integral to the raising of capital by RELX PLC). HMRC's view is that the 1.5% SDRT or stamp duty charge will continue to apply to a transfer of shares into a clearance service or depositary receipt system, where such transfer is not an integral part of the raising of capital by the company concerned. Further litigation indicates that certain transfers of legal title to clearance services in connection with listing, but not integral to a new issue, are not chargeable. **In view of the continuing uncertainty, specific professional advice should be sought before incurring a 1.5% stamp duty or stamp duty reserve tax charge in any circumstance.**

No UK stamp duty should be payable on the transfer of RELX PLC ADSs, provided that no instrument of transfer is entered into (which should not be necessary) An agreement to transfer RELX PLC ADSs should not give rise to a liability to SDRT.

A transfer of RELX PLC ordinary shares by the depositary to an ADS holder where there is no transfer of beneficial ownership will not be chargeable to UK stamp duty or SDRT.

Purchases of RELX PLC ordinary shares, as opposed to ADSs, will generally give rise to UK stamp duty or SDRT at the time of transfer or agreement to transfer, normally at the rate of 0.5% of the amount payable for the ordinary shares. SDRT and UK stamp duty are usually paid by the purchaser. If the ordinary shares are later transferred to the depositary, additional UK stamp duty or SDRT may be payable as described above.

Inheritance tax

Subject to certain provisions relating to trusts and settlements, RELX PLC ordinary shares or ADSs held by an individual shareholder who is domiciled in the United States for the purposes of the Convention between the United States and the United Kingdom relating to estate and gift taxes and is not a UK national as defined in the Convention will not generally be subject to UK inheritance tax on the individual's death (whether held on the date of death or gifted during the individual's lifetime, and provided any applicable US federal gift or estate tax liability is paid), except where the ordinary share or ADS is part of the business property of a UK permanent establishment of the individual or pertains to a UK fixed base of an individual who performs independent personal services.

US Federal Income Taxation

Holders of the ADSs generally will be treated for US federal income tax purposes as owners of the ordinary shares represented by the ADSs. Accordingly, deposits of ordinary shares for ADSs and withdrawals of shares for ADSs will not be subject to US federal income tax.

Dividends

Dividends on RELX PLC ordinary shares or ADSs will generally be included in your gross income as ordinary dividend income from foreign sources. The dollar amount recognised on receiving a dividend in pounds sterling will be based on the exchange rate in effect on the date the depositary receives the dividend, or in the case of ordinary shares on the date you receive the dividend, as the case may be, whether or not the payment is converted into US dollars at that time. Any gain or loss recognised on a subsequent disposition or conversion of pounds sterling for a different US dollar amount generally will be US source ordinary income or loss. Dividends received will not be eligible for the dividends received deduction available to US corporations. Dividends received will generally be included in net investment income for purposes of the 3.8% Medicare contribution tax applicable to certain non-corporate US holders.

With respect to certain US holders who are individuals, certain dividends received from a qualified foreign corporation may be subject to reduced rates of taxation. A qualified foreign corporation includes a foreign corporation that is eligible for the benefits of certain comprehensive income tax treaties with the United States. United States Treasury Department guidance indicates that the United Kingdom is a country with which the United States has an income tax treaty in force that meets these requirements, and RELX PLC believes it is eligible for the benefits of this income tax treaty. Individuals that do not meet a minimum holding period requirement during which they are not protected from the risk of loss or other requirements will not be eligible for the reduced rates of taxation. US holders should consult their own tax advisors regarding the application of these rules given their particular circumstances.

Subject to certain conditions and limitations, foreign withholding taxes on dividends withheld at the appropriate rate may be treated as foreign taxes eligible for credit or deduction against your US federal income tax liability. For purposes of calculating the foreign tax credit, dividends paid on the ordinary shares or ADSs will be treated as income from sources outside the US and will generally constitute passive category income. Further, in certain circumstances, if you have held the ordinary shares or ADSs for less than a specified minimum period during which you are not protected from risk of loss, or are obligated to make payments related to the dividends, you will not be allowed a foreign tax credit for foreign taxes imposed on

the dividends on the ordinary shares or ADSs. Individuals that treat a dividend as qualified dividend income may take into account for foreign tax credit limitation purposes only the portion of the dividend effectively taxed at the highest applicable marginal rate. The rules governing the foreign tax credit are complex. US holders should consult their own tax advisors regarding the availability of the foreign tax credit or deduction under their particular circumstances.

Dispositions

You generally will recognise a gain or loss on the sale or other disposition of ordinary shares or ADSs in an amount equal to the difference between the amount realised upon the sale or other disposition and your adjusted basis in the ordinary shares or ADSs. The gain or loss generally will be capital gain or loss. It will be long term capital gain or loss if you have held the ordinary shares or ADSs for more than one year at the time of sale or other disposition. Long term capital gains of individuals are eligible for reduced rates of taxation. Deductions for capital losses are subject to limitations. Any gain or loss you recognise generally will be treated as income from US sources for foreign tax credit limitation purposes. Gains recognised will generally be included in net investment income for purposes of the 3.8% Medicare contribution tax applicable to certain non-corporate US holders.

If you receive pounds sterling or euros on the sale or other disposition of your ordinary shares or ADSs, you will realise an amount equal to the US dollar value of the pounds sterling at the spot rate on the date of sale or other disposition (or in the case of cash basis and electing accrual basis taxpayers, if the ordinary shares or ADSs are traded on an established securities market, the settlement date for the sale or other disposition). Cash basis and, if the ordinary shares or ADSs are traded on an established securities market, electing accrual basis US holders will generally have a tax basis in the pounds sterling or the euros that you receive equal to the US dollar value of the pound sterling received at the spot rate on the settlement date. Any gain or loss realised by a US holder between the sale date and the settlement date or on a subsequent disposition or conversion of pounds sterling into different US dollar amount generally will be US source ordinary income or loss. Gains recognised will generally be included in net investment income for purposes of the 3.8% Medicare contribution tax applicable to certain non-corporate US holders.

Information Reporting and Backup Withholding Tax

Dividends from ordinary shares or ADSs and proceeds from the sale or other disposition of the ordinary shares or ADSs may be reported to the Internal Revenue Service (IRS) unless the shareholder is a corporation or other exempt recipient. A backup withholding tax may apply to such reportable payments unless the shareholder (i) provides an accurate taxpayer identification number and otherwise complies with applicable requirements of the backup withholding rules or (ii) otherwise establishes a basis for exemption. The amount withheld under the backup withholding rules may be allowed as a credit against the holder's US federal income tax liability and may entitle the holder to a refund, provided the required information is timely furnished to the IRS.

Certain US holders are required to report to the IRS information about their investment in ordinary shares or ADSs not held through an account with a domestic financial institution. Investors who fail to report required information could become subject to substantial penalties. US holders should consult with their own tax advisors about the effect of this legislation and any other reporting obligations arising from their investment in the ordinary shares or ADSs.

DOCUMENTS ON DISPLAY

You may read and copy documents referred to in this annual report that have been filed or furnished with the SEC at the SEC's public reference room located at 100 F Street NE, Washington, DC 20549-2521. Please call the SEC at 1-800-SEC-0330 for further information on the public reference rooms and their copy charges.

The SEC also maintains a website at www.sec.gov that contains reports and other information regarding registrants that file electronically with the SEC. This annual report and other information submitted by us to the SEC may be accessed through this website.

ITEM 11: QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Market Risk

Our primary market risks are to changes in interest rates and exchange rates as well as liquidity and credit risk.

Net finance costs are exposed to interest rate fluctuations on borrowings, cash and cash equivalents. Upward fluctuations in interest rates increase the interest cost of floating rate borrowings whereas downward fluctuations in interest rates decrease the interest earned on floating rate cash and cash equivalents. Interest expense payable on fixed rate borrowings is protected against upward movement in interest rates but does not benefit from downward shifts. Our companies engage in foreign currency denominated transactions and are therefore subject to exchange rate risk on such transactions. Net finance costs are also exposed to changes in the fair value of derivatives (as a result of interest and exchange rate fluctuations) which are not part of a designated hedging relationship under IFRS 9 — 'Financial Instruments', and to ineffectiveness that may arise on designated hedging relationships. Our management of this interest rate risk and foreign exchange rate risk is described below.

We manage a portfolio of long-term debt, short-term debt and committed bank facilities to support our capital structure and are exposed to the risk that relevant markets are closed and debt cannot be refinanced on a timely basis. In addition, the credit spread at which we borrow is exposed to changes in market liquidity and investor demand. We manage this risk by maintaining a range of borrowing facilities and debt programmes with a maturity profile to limit refinancing risk.

We have a credit exposure for the full principal amount of cash and cash equivalents held with individual counterparties. In addition, we have a credit risk from the potential non-performance by counterparties to financial instruments; this credit risk normally being restricted to the amounts of any hedge gain and not the full principal amount being hedged. Credit risks are managed by monitoring the credit quality of counterparties and restricting the amounts outstanding with each of them.

Our management of the above market risks is described in further detail in note 18 to the consolidated financial statements under the heading 'Financial Instruments' on pages 157 to 162 and in note 22 under the heading 'Borrowings' on pages 164 to 165 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

Management of Interest Rate Risk and Foreign Exchange Rate Risk

We seek to manage our risk to movements in interest and exchange rates by means of derivative financial instruments, including interest rate swaps and forward foreign exchange contracts. We only enter into derivative financial instruments to hedge (or reduce) the underlying risks described above.

We enter into interest rate swaps in order to achieve an appropriate balance between fixed and floating rate borrowings, cash and cash equivalents and to manage the risk associated with movements in interest rates. Interest rate swaps are used to hedge the effects of fluctuating interest rates on floating rate borrowings, cash and cash equivalents by allowing us to fix the interest rate on a notional principal amount equal to the principal amount of the underlying floating rate cash, cash equivalents or borrowings being hedged. They are also used to swap fixed rate long term borrowings to floating rate. Such swaps may be used to swap an entire fixed rate bond for floating rate for its full term or they may be used to swap a portion of the principal amount or a portion of the term of the borrowing to floating rate. Similarly, we use forward foreign exchange contracts to hedge the transactional exposure arising from exchange rate movements on our foreign currency revenue and operating costs.

Where net finance costs are exposed to changes in the fair value of derivatives (as a result of interest and exchange rate fluctuations), we manage this risk by designating derivatives in a highly effective hedging relationship unless the potential change in their fair value is deemed to be insignificant.

Derivatives are used to manage the risk associated with interest rate and exchange rate movements and the Group does not enter into speculative derivatives. Derivatives used by the Group for hedging a particular risk are not specialised and are generally available from numerous sources.

Sensitivity Analysis

The following analysis sets out the sensitivity of the fair value of our financial instruments to selected changes in interest rates and exchange rates. The range of changes represents our view of the changes that are reasonably possible over a one-year period.

The fair values of interest rate swaps and forward foreign exchange contracts set out below represent the replacement costs calculated using market rates of interest and exchange at December 31, 2019. The fair value of long-term borrowings has been calculated by discounting expected future cash flows at market rates.

Our use of financial instruments and our accounting policies for financial instruments are described more fully in note 18 to the consolidated financial statements under the heading 'Financial Instruments' on pages 157 to 162 of the RELX Annual Report and Financial Statements 2018 and are incorporated herein by reference to Exhibit 15.2.

(a) Interest Rate Risk

The following sensitivity analysis assumes an immediate 100 basis point change in interest rates for all currencies and maturities from their levels at December 31, 2019 with all other variables held constant.

Financial Instrument	Fair Value December 31, 2019	Fair Value Change +100 basis points	Fair Value Change -100 basis points	Fair Value December 31, 2018	Fair Value Change +100 basis points	Fair Value Change -100 basis points
	(In millions)			(In millions)		
Short-term borrowings	**£ (779)**	—	—	£ (686)	—	—
Long-term borrowings (including current portion)	**(5,959)**	255	(276)	(5,953)	241	(260)
Interest rate swaps (swapping fixed rate to floating)	**45**	(75)	79	18	(101)	108
Interest rate swaps (swapping floating rate to fixed)	**(1)**	1	(1)	—	—	—

A 100 basis point change in interest rates would not result in a material change to the fair value of other financial instruments.

At December 31, 2019, 46% of gross borrowings were at fixed rate. A 100 basis point reduction in interest rates would result in an estimated decrease in net finance costs of £31 million (2018: £32 million), based on the composition of financial instruments including cash, cash equivalents, bank loans and commercial paper borrowings at December 31, 2019. A 100 basis points rise in interest rates would result in an estimated increase in net finance costs of £31 million (2018: £32 million).

(b) Foreign Exchange Rate Risk

The following sensitivity analysis assumes an immediate 10% change in all foreign currency exchange rates against sterling from their levels at December 31, 2019 with all other variables held constant. A +10% change indicates a strengthening of the currency against sterling and a -10% change indicates a weakening of the currency against sterling.

Financial Instrument	Fair Value December 31, 2019	Fair Value Change +10%	Fair Value Change -10%	Fair Value December 31, 2018	Fair Value Change +10%	Fair Value Change -10%
	(In millions)			(In millions)		
Cash and cash equivalents	**£ 138**	£ 14	£ (14)	£ 114	£ 11	£ (11)
Short-term borrowings	**(779)**	(78)	78	(686)	(37)	37
Long-term borrowings (including current portion)	**(5,959)**	(589)	589	(5,953)	(558)	558
Lease receivables	**33**	3	(3)	49	5	(5)
Interest rate swaps (including cross currency interest rate swaps)	**44**	4	(4)	18	2	(2)
Forward foreign exchange contracts	**3**	9	(9)	(40)	(41)	41

A 10% change in foreign currency exchange rates would not result in a material change to the fair value of other financial instruments.

ITEM 12: DESCRIPTION OF SECURITIES OTHER THAN EQUITY SECURITIES

Fees and charges for American Depositary Receipt (ADR) holders

Citibank N.A., as depositary for the RELX PLC ADR programme, collects its fees for delivery and surrender of American Depositary Shares (ADSs) directly from investors depositing shares or surrendering ADSs for the purpose of withdrawal or from intermediaries acting for them. The depositary collects fees for making distributions to investors by deducting those fees from the amounts distributed or by selling a portion of distributable property to pay the fees. The depositary may collect its annual fee for depositary services by deductions from cash distributions or by directly billing investors or by charging the book-entry system accounts of participants acting for them. The depositary may generally refuse to provide fee-attracting services until its fees for those services are paid.

Persons depositing or withdrawing shares must pay	For
$5.00 (or less) per 100 ADSs (or portion of 100 ADSs)	Issuance of ADSs, including issuances resulting from a distribution of shares or rights or other property (in certain circumstances volume discounts may be available)
	Cancellation of ADSs for the purpose of withdrawal, including if the deposit agreement terminates
$0.05 (or less) per ADS	Any cash distribution to ADS registered holders
A fee equivalent to the fee that would be payable if securities distributed to you had been shares and the shares had been deposited for issuance of ADSs	Distribution of securities distributed to holders of deposited securities which are distributed by the depositary to ADS registered holders
$0.05 (or less) per ADS per calendar year	Depositary services
Registration or transfer fees	Transfer and registration of shares on our share register to or from the name of the depositary or its agent when you deposit or withdraw shares
Expenses of the depositary	Cable, telex and facsimile transmissions (when expressly provided in the deposit agreement)
	Converting foreign currency to US dollars
Taxes and other governmental charges the depositary or the custodian have to pay on any ADS or share underlying an ADS, for example, stock transfer taxes, stamp duty or withholding taxes	As necessary
Any charges incurred by the depositary or its agents for servicing the deposited securities	As necessary

Fees and other payments made by the depositary to the Group

In consideration of acting as depositary, Citibank N.A. has agreed to make certain reimbursements and payments to us on an annual basis for expenses related to the administration and maintenance of the ADR programmes including, but not limited to, New York Stock Exchange listing fees, investor relations expenses, or any other programme related expenses. The depositary has also agreed to pay the standard out-of-pocket administrative, maintenance and shareholder services expenses for providing services to the registered ADR holders. It has also agreed with us to waive certain standard fees associated with promotional services, programme visibility campaigns and programme analytic reporting. In certain instances, the depositary has agreed to provide additional annual reimbursements and payments to us based on any applicable performance indicators relating to the ADR facility. There are limits on the amount of expenses for which the depositary will reimburse us, but the amount of reimbursement available to us is not necessarily tied to the amount of fees the depositary collects from investors.

From January 1, 2019 to February 19, 2020, we received a reimbursement of $175,000, net of withheld taxes, from the depositary for New York Stock Exchange listing fees, investor relations expenses and other programme related expenses, in connection with the ADR facility.

PART II

ITEM 15: CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

RELX PLC is required to comply with applicable US regulations, including the Sarbanes-Oxley Act of 2002, insofar as they apply to foreign private issuers. Accordingly, RELX PLC has established a Disclosure Committee comprising the company secretary of RELX PLC and other senior RELX managers appointed to provide assurance to the Chief Executive Officer and Chief Financial Officer of RELX PLC. The committee has reviewed and evaluated the effectiveness of our disclosure controls and procedures as of December 31, 2019. Based on that evaluation, the Chief Executive Officer and Chief Financial Officer of RELX PLC have concluded that the disclosure controls and procedures for RELX PLC are effective as of the end of the period covered by this report.

Management's Annual Report on Internal Control over Financial Reporting

In accordance with Section 404 of the Sarbanes-Oxley Act, management is responsible for establishing and maintaining adequate internal control over financial reporting as defined in Rules 13a —15(f) and 15d —15(f) under the Exchange Act, as amended. The internal controls over financial reporting of RELX PLC are designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with IFRS. Because of its inherent limitations, internal control over financial reporting is not intended to provide absolute assurance that a misstatement of the financial statements of RELX PLC would be prevented or detected.

Management conducted an evaluation of the effectiveness of its internal controls over financial reporting based on the framework in *Internal Control-Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission. Based on this evaluation, management concluded that the internal controls over financial reporting of RELX PLC were effective as of December 31, 2019.

Certifications by the Chief Executive Officer and Chief Financial Officer of RELX PLC as required by the Sarbanes-Oxley Act are submitted as exhibits to this Form 20-F (see "Item 19: Exhibits" on pages S-3 and S-4).

Ernst & Young LLP have audited the consolidated financial statements for the fiscal year ended December 31, 2019 and have audited the effectiveness of internal controls over financial reporting as at December 31, 2019. Their report in respect of RELX is included herein.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Members and Board of Directors of RELX PLC

Opinion on Internal Control over Financial Reporting

The terms "Group" or "RELX" refer collectively, to RELX PLC and its subsidiaries, associates and joint ventures. For dates and periods ended before the corporate simplification on September 8, 2018, such terms refer collectively to RELX PLC, RELX NV, RELX Group plc and its subsidiaries, associates and joint ventures.

We have audited the Group's internal control over financial reporting as of December 31, 2019, based on criteria established in Internal Control — Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework), (the COSO criteria). In our opinion, the Group maintained, in all material respects, effective internal control over financial reporting as of December 31, 2019, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated statements of financial position of the Group as at December 31, 2019 and 2018, and the related consolidated statements of income, comprehensive income, cash flows, and changes in equity for each of the three years in the period ended December 31, 2019, and the related notes of the Group and our report dated February 12, 2020 expressed an unqualified opinion thereon.

Basis for Opinion

The Group's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Annual Report on Internal Control over Financial Reporting. Our responsibility is to express an opinion on the Group's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Group in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects.

Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

Definition and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ Ernst & Young LLP
London, United Kingdom
February 12, 2020

Internal Control over Financial Reporting

Management, including the Chief Executive Officer and Chief Financial Officer of RELX PLC, have reviewed whether or not during the period covered by the annual report, there have been any changes in internal control over financial reporting that have materially affected, or are reasonably likely to materially affect, the internal controls over financial reporting of RELX PLC. Based on that review, the Chief Executive Officer and Chief Financial Officer of RELX PLC have concluded that there have been no such changes.

An outline of the internal control structure is set out below.

The Board of RELX PLC has adopted a schedule of matters which are required to be brought to it for decision. During 2019, the Board of RELX PLC exercised a supervisory role over the activities and systems of internal control of the Group.

The RELX PLC Audit Committee met on a regular basis to review the systems of internal control and risk management of the Group.

Audit Committee

RELX PLC has an Audit Committee which comprise only Non-Executive directors, all of whom are independent. The Audit Committee, which meets regularly, was chaired by Adrian Hennah, the other members being Marike van Lier Lels (until her resignation on June 6, 2019), Carol Mills (until her resignation on April 25, 2019), Andrew Sukawaty (from June 6, 2019) and Suzanne Wood.

The main roles and responsibilities of the Audit Committee are set out in written terms of reference and include:

(i) to monitor the integrity of the financial statements, and any formal announcements relating to financial performance, reviewing significant financial reporting judgements contained in them;

(ii) to review the company's internal financial controls and the internal control and risk management systems;

(iii) to monitor and review the effectiveness of the internal audit function;

(iv) to make recommendations to the Board, for it to put to the shareholders for their approval in General Meeting, in relation to the appointment, reappointment and removal of the external auditor and to approve the remuneration and terms of engagement of the external auditor;

(v) to review and monitor the external auditors' independence and objectivity and the effectiveness of the audit process, taking into consideration relevant professional and regulatory requirements; and

(vi) to develop and recommend policy on the engagement of the external auditor to supply non audit services, taking into account relevant ethical guidance regarding the provision of non audit services by the external audit firm, and to monitor compliance.

The Audit Committee reports to the Board on its activities identifying any matters in respect of which it considers that action or improvement is needed and making recommendations as to the steps to be taken.

The Audit Committee has explicit authority to investigate any matters within its terms of reference and has access to all resources and information that it may require for this purpose. The Audit Committee is entitled to obtain legal and other independent professional advice and has the authority to approve all fees payable to such advisers.

The terms of reference for the Audit Committee are reviewed annually and a copy is published on our website, www.relx.com. The information on our website is not incorporated by reference into this report.

ITEM 16A: AUDIT COMMITTEE FINANCIAL EXPERT

The members of RELX PLC's Audit Committee are identified in "Item 6: Directors, Senior Management and Employees". The members of the Board of Directors of RELX PLC have determined that the Audit Committee contains at least one financial expert within the meaning of the applicable rules and regulations of the SEC. The Audit Committee financial experts are Adrian Hennah and Suzanne Wood. Both are considered independent.

ITEM 16B: CODES OF ETHICS

The Group has adopted a code of ethics (Code of Ethics and Business Conduct) that applies to all directors, officers and employees of the Group, as well as a separate code of ethics (Code of Ethics for Senior Financial Officers) that also applies to RELX PLC's principal executive officer, principal financial officer, principal accounting officer or controller, or persons

performing similar functions (collectively, the "Senior Financial Officers"). Both of these codes of ethics are available under "Code of Ethics" of the Investor centre page at www.relx.com. The information on our website is not incorporated by reference into this report. If the Code for Senior Financial Officers is amended or a provision waived, we intend to satisfy any disclosure obligations by posting information on the internet website set forth above within five business days of such amendment or waiver. In February 2016, we amended the Code for Senior Financial Officers to address those to whom the policy applies, the reporting process and potential disciplinary actions for violations, and responsibilities regarding disclosure in financial reports and other disclosures.

ITEM 16C: PRINCIPAL ACCOUNTANT FEES AND SERVICES

The aggregate fees billed by our principal accountant, Ernst & Young LLP, are set forth in note 4 to the consolidated financial statements under the heading 'Auditor's remuneration' on page 139 of the RELX Annual Report and Financial Statements 2019 and incorporated herein by reference to Exhibit 15.2.

The Audit Committee of RELX PLC has adopted policies and procedures for the pre-approval of audit and non-audit services provided by the auditors. These policies and procedures are summarised below.

The terms of engagement and scope of the annual audit of the financial statements are agreed by the Audit Committee in advance of the engagement of the auditors in respect of the annual audit. The audit fees are approved by the Audit Committee.

The auditors are not permitted to provide non-audit services that would compromise their independence or violate any laws or regulations that would affect their appointment as auditors. They are eligible for selection to provide non-audit services only to the extent that their skills and experience make them a logical supplier of the services. The Chair of the Audit Committee must pre-approve the provision of all non-audit services by the auditors and will consider SEC rules and other guidelines in determining the scope of permitted services. All assignments other than audit-related work must be specifically pre-approved by the Audit Committee in advance of commissioning the work. Aggregate non-audit fees must not exceed the annual audit fees in any given year, unless approved in advance by the Audit Committee. All of the audit and non-audit services carried out in the year ended December 31, 2019 were pre-approved under the policies and procedures summarised above.

ITEM 16E: PURCHASES OF EQUITY SECURITIES BY THE ISSUER AND AFFILIATED PURCHASERS

During 2019, the Group repurchased a total of 33.5 million ordinary shares for total consideration of £600 million ($768 million), to be held in treasury.

During 2019, the Employee Benefit Trust purchased 2.2 million RELX PLC shares in order to satisfy awards under our equity-based plans as described in 'Share Ownership', pages 27 to 30.

	Number of ordinary shares	Average price paid per share	Total shares repurchased under publicly announced programmes	Approximate maximum value of shares that may yet be purchased under the programmes
January 2019[1]	3,922,000	1,651p	3,922,000	£ £ 35 million
February 2019[2][3]	4,154,163	1,745p	3,241,356	£ £479 million
March 2019[3]	5,303,997	1,652p	4,035,300	£ £412 million
April 2019	4,490,287	1,696p	4,490,287	£ £336 million
May 2019	4,119,563	1,790p	4,119,563	£ £262 million
June 2019	3,264,019	1,908p	3,264,019	£ £200 million
July 2019	2,950,480	1,962p	2,950,480	£ £142 million
August 2019	1,687,100	1,948p	1,687,100	£ £109 million
September 2019	1,704,500	1,922p	1,704,500	£ £ 77 million
October 2019	1,989,229	1,840p	1,989,229	£ £ 40 million
November 2019	1,869,500	1,868p	1,869,500	£ £ 5 million
December 2019	270,673	1,841p	270,673	£ £100 million[4]
	35,725,511		33,544,007	

(1) Includes amounts purchased under the £100 million ($128 million) non-discretionary buyback programme announced December 7, 2018.

(2) Includes amounts purchased under the £100 million ($128 million) non-discretionary buyback programme announced December 7, 2018 and the £500 million ($640 million) non-discretionary buyback programme announced February 21, 2019.

(3) Includes shares purchased to satisfy awards under our equity-based plans as described in 'Share Ownership', pages 27 to 30.

(4) On December 6, 2019 RELX PLC announced a non-discretionary buyback programme to repurchase further ordinary shares up to the value of £100 million ($128 million) in total between January 2, 2020 and February 10, 2020. A further 5.0 million RELX PLC shares have been repurchased as at February 12, 2020, under this programme. On February 13, 2020, RELX PLC announced its intention to repurchase further ordinary shares up to the value of £300 million ($384 million) over the remainder of 2020.

ITEM 16G: CORPORATE GOVERNANCE

Details of our corporate governance practices are set out on page 45 of Item 15: Controls and Procedures.

Compliance with New York Stock Exchange Corporate Governance Rules

RELX PLC, as a company listed on the New York Stock Exchange (the "NYSE"), is subject to the listing requirements of the NYSE and the rules of the US Securities and Exchange Commission (the "SEC"). We also continually monitor our compliance with the provisions of the Sarbanes-Oxley Act of 2002 that are applicable to foreign private issuers.

As a foreign private issuer, RELX PLC is only required to comply with certain of the NYSE corporate governance rules and is in compliance with all applicable rules. The NYSE's rules also require disclosure of any significant ways in which their corporate governance practices differ from those required of US companies under the NYSE listing standards.

We follow UK corporate governance practice, which does not differ significantly from the NYSE corporate governance standards for foreign private issuers. We believe that our corporate governance practices do not differ in any significant way from those required to be followed by US companies under the NYSE corporate governance listing standards.

The NYSE listing standards provide that US companies must have a nominating/corporate governance committee composed entirely of independent directors and with a written charter that addresses the committee's purpose and responsibilities which, at a minimum, must be to identify individuals qualified to become board members, develop and recommend to the Board a set of corporate governance principles and to oversee the evaluation of the board and management.

RELX PLC has a Nominations Committee and a Corporate Governance Committee. The written terms of reference adopted by the RELX PLC Board for these committees specify purposes and responsibilities that correspond to those of a US company's nominating/corporate governance committee under the NYSE's listing standards. The Nominations Committee and the Corporate Governance Committee are composed entirely of Non-Executive Directors.

PART III

ITEM 17: FINANCIAL STATEMENTS

The Registrant has responded to Item 18 in lieu of responding to this Item.

ITEM 18: FINANCIAL STATEMENTS

The information set forth under the heading 'Consolidated Financial Statements' and 'Notes to the consolidated financial statements' on pages 128 to 174 of the RELX Annual Report and Financial Statements 2019 is incorporated herein by reference to Exhibit 15.2.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Members and Board of Directors of RELX PLC

Opinion on the Financial Statements

The terms "Group" or "RELX" refer collectively, to RELX PLC and its subsidiaries, associates and joint ventures. For dates and periods ended before the corporate simplification on September 8, 2018, such terms refer collectively to RELX PLC, RELX NV, RELX Group plc and its subsidiaries, associates and joint ventures.

We have audited the accompanying consolidated statements of financial position of the Group as of December 31, 2019 and 2018, and the related consolidated statements of income, comprehensive income, cash flows and changes in equity for each of the three years in the period ended December 31, 2019, and the related notes (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Group at December 31, 2019 and 2018, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2019, in conformity with International Financial Reporting Standards as issued by the International Accounting Standards Board.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Group's internal control over financial reporting as of December 31, 2019, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework), and our report dated February 12, 2020 expressed an unqualified opinion thereon.

Basis for Opinion

These financial statements are the responsibility of the Group's management. Our responsibility is to express an opinion on the Group's financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Group in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

Critical Audit Matters

The critical audit matters communicated below are matters arising from the current period audit of the financial statements that were communicated or required to be communicated to the audit committee and that: (1) relate to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.

Uncertain tax positions

Description of the Matter

As described in note 9 to the consolidated financial statements, the Group is subject to tax in numerous jurisdictions. Its operational structure gives rise to potential tax exposures that require management to exercise judgement in making determinations as to the amount of tax that is payable. The Group reports cross-border transactions undertaken between subsidiaries on an arm's-length basis in tax returns in accordance with Organisation for Economic Co-operation and Development (OECD) guidelines. Transfer pricing relies on the exercise of judgement and it is reasonably possible for there to be a significant range of potential outcomes.

The Group is subject to tax authority audits in multiple jurisdictions at any point in time and has a number of open tax enquiries. As a result, it has recognised a number of provisions against uncertain tax positions, the valuation of which requires significant assumptions and judgement, as described in note 9. We focused on this area due to the subjectivity in the quantification of the provision and the judgement around the trigger for recognition or release impacting the provision and the effective tax rate.

How We Addressed the Matter in Our Audit

Our procedures included obtaining an understanding of the tax provisioning processes and evaluating their design, as well as testing internal controls over the tax provisioning process. For example, we tested controls over management's review of the uncertain tax position provisions recorded, including the controls over the development of significant assumptions and judgments.

Our procedures on the uncertain tax positions were performed with support from professionals with specialised skills. Procedures included, among others (i) meeting with members of management responsible for tax to understand the Group cross-border transactions, status of significant provisions, and any changes to management's judgements in the year; (ii) reading correspondence with tax authorities and external advisors to inform our assessment of recorded estimates and evaluate the completeness of the provisions recorded; (iii) independently assessing management's significant assumptions and judgements to record or release provisions following tax audits, settlements and the expiry of timeframes with reference to other similar tax positions the Group has historically held and our knowledge of developments in the jurisdictions in which RELX maintain tax provisions; (iv) testing the underlying schedules for arithmetic accuracy, as well as with reference to applicable tax laws; and (v) evaluating the adequacy of tax disclosures.

Internally developed intangible assets

Description of the Matter

The Group capitalised internally developed intangible assets of £333 million in 2019 and has a net book value of £1,264 million as of December 31, 2019. As described in note 15 to the consolidated financial statements, the capitalisation of costs related to the development of new products and business infrastructure, together with the economic useful lives applied to the resulting assets, requires the exercise of significant judgement.

We focused on this area as it is inherently judgemental with respect to technical feasibility, intention and ability to complete the intangible asset, ability to use or sell the asset, ability to generate future economic benefits and ability to measure the costs reliably. As a result these expenditures may be inappropriately capitalised, amortised or valued.

How We Addressed the Matter in Our Audit

We performed audit procedures over internally developed intangible assets. Procedures included obtaining an understanding of the processes which support the expenditure and subsequent capitalisation of internally developed intangible assets and evaluating their design, as well as testing controls for the capitalisation of internally generated intangible assets. For example, we tested controls over management's review and approval of new capital projects and the capitalisation criteria for costs incurred for the projects.

Additionally, procedures included, among others (i) assessing the accounting policy and methodology for capitalisation of expenditures; (ii) evaluating the accuracy and valuation of amounts capitalised to assess that costs are directly attributable and necessary to create, produce, and prepare the asset to be capable of operating in the manner intended by management, which was done by assessing if capitalised costs related to an authorised capital project and met the criteria to be capitalised; and (iii) assessing the useful lives adopted based on related business cases and historical experience.

/s/ Ernst & Young LLP
We have served as the Group's auditor since 2016.
London, United Kingdom
February 12, 2020

GLOSSARY OF TERMS

Terms used in Annual Report on Form 20-F	US equivalent or brief description
Accruals	Accrued expenses
Adjusted cash flow	Cash generated from operations plus dividends from joint ventures less net capital expenditure on property, plant and equipment and internally developed intangible assets, repayment of lease principal and excluding pension deficit payments, payments in relation to acquisition-related costs and sublease payments received
Adjusted earnings per share	Adjusted net profit attributable to RELX PLC shareholders divided by the weighted average number of shares
Adjusted net profit attributable to RELX PLC shareholders	Net profit attributable to RELX PLC shareholders before amortisation of acquired intangible assets, acquisition-related costs, net interest on the net defined benefit obligation, disposals and other non-operating items, other deferred tax credits from intangible assets and exceptional tax credits
Adjusted operating margin	Adjusted operating profit expressed as a percentage of revenue. This is a key financial measure used by management to evaluate performance and allocate resources
Adjusted operating profit	Operating profit before amortisation of acquired intangible assets, acquisition related costs, and grossed up to exclude the equity share of finance income, finance costs and taxes in joint ventures. This is a key financial measure used by management to evaluate performance and allocate resources and is presented in accordance with IFRS 8 — 'Operating Segments'
Allotted	Issued
Associate	An entity in which the Group has a participating interest and, in the opinion of the directors, can exercise significant influence on its management
Called-up share capital	Issued share capital
Capital and reserves	Shareholders' equity
Cash flow conversion	The proportion of adjusted operating profits converted into cash
Constant currency	Calculated using the previous financial year's full-year average and hedge exchange rates
Effective tax rate on adjusted operating profit	Tax rate excluding movements in deferred taxation assets and liabilities related to goodwill and acquired intangible assets, but includes the benefit of tax amortization where available on those items
EPS	Earnings per ordinary share
Free cash flow	Adjusted cash flow less interest, tax, acquisition-related costs and dividends
Invested capital	Average capital employed in the year expressed at the average exchange rates for the year. Capital employed represents the net assets of the business before borrowings and derivative financial instruments and current and deferred taxes, after adding back the cumulative amortisation and impairment of acquired intangible assets and goodwill and deducting from goodwill the gross up in respect of deferred tax liabilities recognised on acquisition of intangible assets
Investments	Non-current investments
Freehold	Ownership with absolute rights in perpetuity
Interest receivable	Interest income
Net borrowings	Gross borrowings, less related derivative financial instrument assets, cash and cash equivalents and finance lease receivables
Net cash acquired	Cash less debt acquired with a business
Operating costs	Cost of sales plus selling and distribution costs plus administration and other expenses

Portfolio changes/effects	Changes in the portfolio relating to acquisitions, disposals and assets held for sale
Prepayments	Prepaid expenses
Profit	Income
Profit attributable	Net income
Share based remuneration	Stock based compensation
Share premium account	Premiums paid in excess of par value of ordinary shares
Return on invested capital	Post tax adjusted operating profit expressed as a percentage of average capital employed. This is a key financial measure used by management
Revenue	Sales
Underlying growth	Underlying growth rates are calculated at constant currencies, and exclude the results of all acquisitions until twelve months after purchase, disposals made in both the year and prior year and assets held for sale. Underlying revenue growth rates also exclude the effects of exhibition cycling. This is a key financial measure as it provides an assessment of year on year organic growth without distortion for the impact of changes in foreign exchange rates.

ITEM 19: EXHIBITS

Exhibits filed as part of this annual report, or incorporated by reference

1.1	Articles of Association of RELX PLC, reflecting the change of company name from Reed Elsevier PLC on July 1, 2015 pursuant to a special resolution dated April 23, 2015 (incorporated by reference from Exhibit 1.1 to the Annual Report on Form 20-F (File No. 001-13334) filed with the SEC on March 8, 2016)
2.1	Form of Amendment No. 1 to Amended and Restated Deposit Agreement, effective as of July 1, 2015, by and among RELX PLC, Citibank N.A., as depositary, and all Holders and Beneficial Holders of American Depositary Shares issued thereunder (incorporated by reference from Exhibit (a)(i) to the Registration Statement on Form F-6/A (File No. 333-197562) filed with the SEC on June 26, 2015)
2.2	Amended and Restated Deposit Agreement, dated as of August 1, 2014, by and among RELX PLC, Citibank N.A., as depositary, and all Holders and Beneficial Holders of American Depositary Shares issued thereunder (incorporated by reference from Exhibit (a)(ii) to the Registration Statement on Form F-6/A (File No. 333-197562) filed with the SEC on June 26, 2015)
2.3	Description of Securities Registered under Section 12 of the Securities Exchange Act of 1934 (the "Exchange Act")
4.1	RELX Group plc Share Option Scheme (incorporated by reference from Exhibit 4.4 to the 2003 Annual Report on Form 20-F (File No. 001-1334) filed with the SEC on March 16, 2004)
4.2	RELX Group plc Retention Share Plan (as amended on March 13, 2006) (incorporated by reference from Exhibit 4.9 on the 2006 Annual Report on Form 20-F (File No. 001-1334) filed with the SEC on March 22, 2007)
4.3	RELX Group plc Bonus Investment Plan 2010 (incorporated by reference from Exhibit 4.3 to the Registration Statement on Form S-8 (File No. 333-167058) filed with the SEC on May 25, 2010)
4.4	RELX Group plc Long-Term Incentive Plan 2013 (incorporated by reference from Exhibit 10.2 to the Registration Statement on Form S-8 (File No. 333-191419) filed with the SEC on September 27, 2013)
4.5	RELX Group plc Executive Share Option Scheme 2013 (incorporated by reference from Exhibit 10.1 to the Registration Statement on Form S-8 (File No. 333-191419) filed with the SEC on September 27, 2013)
4.6	RELX Group plc Restricted Share Plan 2014 (incorporated by reference from Exhibit 4.3 to the Registration Statement on Form S-8 (File No. 333-197580) filed with the SEC on July 23, 2014)
4.7	Service Agreement between RELX Group plc and Erik Engstrom (dated March 14, 2011) (incorporated by reference from Exhibit 4.14 to the 2012 Annual Report on Form 20-F (File No. 001-1334) filed with the SEC on March 12, 2013)
4.8	Service Agreement between RELX Group plc and Nick Luff (dated January 6, 2014) (incorporated by reference from Exhibit 4.12 to the 2014 Annual Report on Form 20-F (File No. 001-1334)) filed with the SEC on March 10, 2015)
4.9	Letter between RELX Group plc and Nick Luff (dated January 6, 2014) (incorporated by reference from Exhibit 4.13 to the 2014 Annual Report on Form 20-F (File No. 001-1334)) filed with the SEC on March 10, 2015)
4.10	RELX Group plc Restricted Share Plan 2014 (incorporated by reference from Exhibit 4.3 to the Registration Statement on Form S-8 (File No. 333-227636) filed with the SEC on October 1, 2018)
4.11	RELX Group plc Executive Share Option Scheme 2013 (incorporated by reference from Exhibit 4.4 to the Registration Statement on Form S-8 (File No. 333-227636) filed with the SEC on October 1, 2018)
4.12	RELX Group plc Long-Term Incentive Plan 2013 (incorporated by reference from Exhibit 4.5 to the Registration Statement on Form S-8 (File No. 333-227636) filed with the SEC on October 1, 2018)
8.0	List of subsidiaries, associates, joint ventures and business units
12.1	Certification Pursuant to Section 302 of Sarbanes-Oxley Act of 2002, by the Chief Executive Officer of RELX PLC
12.2	Certification Pursuant to Section 302 of Sarbanes-Oxley Act of 2002, by the Chief Financial Officer of RELX PLC
13.1	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, by the Chief Executive Officer of RELX PLC
13.2	Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, by the Chief Financial Officer of RELX PLC
15.1	Independent Registered Public Accounting Firm's Consent – Ernst & Young LLP – Consolidated Financial Statements
15.2*	Annual Report and Financial Statements 2019
15.3	Remuneration Policy Report
101.1	The following financial information for RELX formatted in XBRL: (i) Consolidated Income Statement for the years ended December 31, 2019, 2018 and 2017; (ii) Consolidated Statement of Comprehensive Income for the years ended December 31, 2019, 2018 and 2017; (iii) Consolidated Statement of Cash Flows for the years ended December 31, 2019, 2018 and 2017; (iv) Consolidated Statement of Financial Position at December 31, 2019 and 2018; (v) Consolidated Statement of Changes in Equity for the years ended December 31, 2019, 2018 and 2017; and (vi) Notes to the Consolidated Financial Statements

The total amount of long-term debt securities of the Group authorised under any single instrument does not exceed 10% of the total assets of the Group. The Registrant hereby agrees to furnish to the Commission, upon its request, a copy of any instrument defining the rights of holders of long-term debt of the Group or any of the businesses for which consolidated or unconsolidated financial statements are required to be filed.

The agreements and other documents filed as exhibits to this report are not intended to provide factual information or other disclosure other than the terms of the agreements or other documents themselves, and you should not rely on them for that purpose. In particular, any representation and warranties made by the registrant in these agreements or other documents were made solely within the specific context of the relevant agreement or document and may not describe the actual state of affairs at the date they were made or at any other time.

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* Certain of the information included within Exhibit 15.2 is incorporated by reference in this Form 20-F, as specified elsewhere in this Form 20-F. With the exception of the items and pages so specified, the Annual Report and Financial Statements 2019 are not deemed to be filed as part of this Form 20-F.

SIGNATURES

The Registrant hereby certifies that it meets all of the requirements for filing on Form 20-F and that it has duly caused and authorised the undersigned to sign this annual report on its behalf.

RELX PLC
Registrant

By: /s/ E ENGSTROM

E Engstrom
Chief Executive Officer

By: /s/ N LUFF

N Luff
Chief Financial Officer

Dated: February 20, 2020

www.relx.com