



Plummer Parsons
Chartered Accountants

Charity registration number 1186102

Company registration number 12266787 (England and Wales)

THE CHRONIC DISEASE RESEARCH FOUNDATION
ANNUAL REPORT AND FINANCIAL STATEMENTS
FOR THE YEAR ENDED 5 APRIL 2022

THE CHRONIC DISEASE RESEARCH FOUNDATION

LEGAL AND ADMINISTRATIVE INFORMATION

Trustees	Mr M Benaim Dr E Bochukova Mr N S Pike Mr M D B Simon
Charity number	1186102
Company number	12266787
Principal address	St Martin's Court 10 Paternoster Row London EC4M 7EJ
Registered office	St Martin's Court 10 Paternoster Row London EC4M 7EJ
Auditor	Plummer Parsons 18 Hyde Gardens Eastbourne East Sussex BN21 4PT
Bankers	CAF Bank Ltd 25 Kings Hill Avenue Kings Hill West Malling Kent ME19 4JQ
Solicitors	Collyer Bristow LLP St Martin's Court 10 Paternoster Row London EC4M 7EJ

THE CHRONIC DISEASE RESEARCH FOUNDATION

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THE CHRONIC DISEASE RESEARCH FOUNDATION

TRUSTEES' REPORT (INCLUDING DIRECTORS' REPORT)

FOR THE YEAR ENDED 5 APRIL 2022

The trustees present their annual report and financial statements for the year ended 5 April 2022.

The financial statements have been prepared in accordance with the accounting policies set out in note 1 to the financial statements and comply with the Foundation's Memorandum and Articles of Association, the Companies Act 2006 and "Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2019)".

Objectives and activities

The Foundation's objects are to provide funds for projects, fellowships and equipment to researchers studying the genetic basis for the common chronic diseases for developed countries and to support studies using twins to uncover clues about causes and risk factors of diseases.

The trustees have paid due regard to guidance issued by the Charity Commission in deciding what activities the Foundation should undertake.

In the main, grants are awarded to the Department of Twin Research and Genetic Epidemiology, King's College London (KCL), with the results of each study being monitored by the Foundation's trustees. The results of these studies advance the medical profession as a whole and as such benefit all areas of society.

When the Foundation makes an award, it reserves the right, without notice, to terminate it should it so wish. In such a case, the Foundation will reimburse the Institution for expenditure properly and reasonably incurred under the award up to the termination date. Still, it will not be responsible for claims for compensation for which the Institution may be liable as an employer.

Achievements and performance

From April 2021 to April 2022, many awards were given no-cost extensions. The laboratories and research facilities lockdown during the Covid-19 pandemic caused these delays.

The Foundation received £500,000 from the Denise Coates Foundation in April 2020 to fund immediate research into Covid-19. These monies were used to fund the CDRF-21/2020 "TwinsUK COVID-19 Research Project" award. The total for this award is £519,996, and £346,664 has been paid to April 2022.

In April 2020, the Foundation launched a campaign to fund the Covid Symptom Study. The Covid Symptom study comprised an app developed by Zoe Global Ltd (now Zoe Limited), which collected data from citizen scientists, and data analysis by KCL researchers. The monies from the campaign were used to fund two awards: CDRF-22/2020 "The COVID Symptom Study Application: Research Platform and Biobank", and CDRF-23/2020 "The COVID Symptoms Study: The Genetics of Long COVID-19".

CDRF-22/2020 "The COVID Symptom Study Application" Research Platform and Biobank" award will run over 3.5 years. The award amount of £1,272,387 is funded by £1,252,387 from the COVID Symptom Study appeal and £20,000 from the annual DCF grant. The amount of £573,898 was paid to April 2022.

The award CDRF-23/2020 "The COVID Symptoms Study: The Genetics of Long COVID-19", will run over 3.5 years. A total of £1,020,248 is funded by £503,000 from the COVID Symptom Study appeal, plus £497,248 from a further individual DCF grant, plus £20,000 from the annual DCF grant. A total of £285,020 had been paid to April 2022.

The Foundation received from the Denise Coates Foundation in 2018/2019 an award of £701,673 to fund the establishment of a Microbiome Laboratory, plus £650,000 (plus an additional 5% administration fee) to perform DNA extraction of stored samples and support the cost of sequencing those samples - CDRF-17/2018. The amount of £731,335 was paid to April 2022. The award will run until December 2023.

THE CHRONIC DISEASE RESEARCH FOUNDATION

TRUSTEES' REPORT (INCLUDING DIRECTORS' REPORT) (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

In addition, the Foundation received an award of £321,088 (plus an administration fee of 5%) from the Denise Coates Foundation for the fellowship, CDRF-18/2019 "Targeting the gut microbiome and its metabolites to improve cardiovascular outcomes". This award will run until November 2023. The amount of £63,702 was paid to April 2022.

The Foundation received an award of £704,687 (plus an administration fee of 5%) from the Denise Coates Foundation for the project, CDRF-19/2019 "Using the faecal metabolomics and serum glycomics to unravel the microbiome inflammatory pathways causative of cardiovascular disease". The award will run until December 2024, and so far, £494,865 has been paid for this award.

The Denise Coates Foundation had pledged to fund the Foundation for a further five years, an annual amount of £300,000 per annum (plus an administration fee of 5%). The Year 1 Grant was paid on 1st October 2021. This amount pledged decreased as agreed with the Foundation so that from October 2022 the annual amount will be £110,000 including the 5% administration fee and 5% KCL overheads cost.

These funds have been used for the following grants:

- CDRF-10/2017 "Exploring the cardio-metabolic health associated with the faecal metabolome" – £162,422. The amount of £48,168 was paid to April 2022.
- CDRF-11/2017 'Utilising omega-3 and fibre to improve metabolic health' – £169,234 over 4.5 years. A no-cost extension was given for this award due to delays caused by the Covid-19 lockdown. This award was fully paid to April 2022.
- CDRF-12/2017 "A statistical framework for personalised nutrition recommendations based on genetic and anthropometric data" – £87,844 over 3 years. A no-cost extension was given for this award due to delays caused by the Covid-19 lockdown; £44,287 was paid to April 2022.
- CDRF-13/2018 "Gut microbiome modulation of fasting glucose homeostasis and postprandial glycaemic response in TwinsUK and PREDICT: Towards personalised diet for healthy ageing" – £147,494 over 3 years. The total amount was paid to April 2022.
- CDRF-15/2018 "Influence of the gut microbiome on inter-individual differences in blood pressure at fasting and in response to a combined glycaemic and lipaemic test meal challenge" – £149,999 over four years. The amount of £72,199 was paid to April 2022.
- CDRF-16/2018 "Assessing the role of long and short-term food choices on gut microbiome-induced visceral fat mass accumulation" – an amount of £142,923. The amount of £95,789 was paid to April 2022.
- CDRF-20/2020 "Targeted metabolomics of urine samples to understand the role of the gut microbiota in food polyphenol metabolism" – an amount of £9,990. This award has been fully paid.

The total commitments over the next 12 months are £1,855,000. There are sufficient funds available to cover the cost of these awards.

THE CHRONIC DISEASE RESEARCH FOUNDATION

TRUSTEES' REPORT (INCLUDING DIRECTORS' REPORT) (CONTINUED) FOR THE YEAR ENDED 5 APRIL 2022

Financial review

The results for the year show a deficit of £1,338,713 (2021: £2,527,863 surplus). The closing Net Assets were £3,728,200 (2021: £5,066,913).

The trustees' policy regarding free reserves is to set a minimum for such reserves equal to approximately six months' projected management and administrative expenditure. The trustees aim to achieve this by prudent management of resources.

Using this reserves policy, the Foundation needs to have reserves of above £16,000 based on the 2021 administration costs. At the end of the year, unrestricted funds amount to £198,716, which is well in excess of this level.

Excess funds will be carried forward for future grant awards at the trustees' discretion.

The Foundation's primary income source is donations, bequests, and a small interest income. The Foundation raised £84 in donations from private donors for general purposes, and a donation received during the year of £10,000 which was raised from the sale of face masks.

The trustees' investment policy is governed by the Memorandum and Articles of Association, permitting available funds to be invested in various securities and assets. The trustees' investment policy aims for safety commensurate with immediate and planned spending requirements. Accordingly, funds are held as cash balances and not invested.

The trustees will continue to manage the Foundation's investments in conformity with the policy and its constitution. They are averse to risk, and surplus funds will presently be held on deposit.

The Foundation's cash-flow situation is comfortable, but the trustees want to invest excess funds wisely. Currently, extra funds are held in the Flagstone Charity Platform, which paid an average interest of 0.80% p.a.

The trustees are responsible for the management of the risks faced by the Foundation.

All major risks to which the Foundation is exposed have been reviewed and systems have been established to mitigate these risks.

Structure, governance and management

The Foundation is a company limited by guarantee and was established by its Memorandum and Articles of Association. It is registered with the Charity Commission under charity number 1186102 and is registered with Companies House under the company number 12266787.

The incorporated charity took over the activities of the previously unincorporated charity on 17 March 2020.

The Foundation's governing instrument is its Memorandum and Articles of Association which allow for any activities covered by the Foundation's objectives, with no specific restrictions.

The trustees, who are also the directors for the purpose of company law, and who served during the year and up to the date of signature of the financial statements were:

Mr M Benaim

Dr E Bochukova

Dr J Bristow

(Resigned 24 October 2022)

Mr N S Pike

Mr M D B Simon

Dr E Stonehill

(Resigned 1 November 2021)

THE CHRONIC DISEASE RESEARCH FOUNDATION

TRUSTEES' REPORT (INCLUDING DIRECTORS' REPORT) (CONTINUED) *FOR THE YEAR ENDED 5 APRIL 2022*

Appropriately qualified people are selected according to requirements at the time of appointment, such as scientific or medical knowledge in the field of research in which the Foundation is interested, as well as legal and commercial knowledge. As part of the induction programme, the trustees are provided with a copy of the Memorandum and Articles of Association and a copy of the past 3 years' accounts. The aims and goals of the Foundation are explained to newly appointed Trustees by the Foundation's Medical Director.

The management of the Foundation is the responsibility of the trustees who are appointed under the terms of the Memorandum and Articles of Association. The trustees meet regularly to discuss and implement policy.

None of the trustees has any beneficial interest in the company. All of the trustees are members of the company and guarantee to contribute £1 in the event of a winding up.

Auditor

In accordance with the company's articles, a resolution proposing that Plummer Parsons be reappointed as auditor of the company will be put at a General Meeting.

Disclosure of information to auditor

Each of the trustees has confirmed that there is no information of which they are aware which is relevant to the audit, but of which the auditor is unaware. They have further confirmed that they have taken appropriate steps to identify such relevant information and to establish that the auditor is aware of such information.

The trustees' report was approved by the Board of Trustees.

Mr N S Pike

Trustee

Dated: 21 November 2022

THE CHRONIC DISEASE RESEARCH FOUNDATION

STATEMENT OF TRUSTEES' RESPONSIBILITIES

FOR THE YEAR ENDED 5 APRIL 2022

The trustees, who are also the directors of The Chronic Disease Research Foundation for the purpose of company law, are responsible for preparing the Trustees' Report and the financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

Company Law requires the trustees to prepare financial statements for each financial year which give a true and fair view of the state of affairs of the Foundation and of the incoming resources and application of resources, including the income and expenditure, of the charitable company for that year.

In preparing these financial statements, the trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the Charities SORP;
- make judgements and estimates that are reasonable and prudent;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements; and
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Foundation will continue in operation.

The trustees are responsible for keeping adequate accounting records that disclose with reasonable accuracy at any time the financial position of the Foundation and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the Foundation and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

THE CHRONIC DISEASE RESEARCH FOUNDATION

INDEPENDENT AUDITOR'S REPORT

TO THE TRUSTEES OF THE CHRONIC DISEASE RESEARCH FOUNDATION

Opinion

We have audited the financial statements of The Chronic Disease Research Foundation (the 'Foundation') for the year ended 5 April 2022 which comprise the statement of financial activities, the statement of financial position, the statement of cash flows and notes to the financial statements, including significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 *The Financial Reporting Standard applicable in the UK and Republic of Ireland* (United Kingdom Generally Accepted Accounting Practice).

In our opinion, the financial statements:

- give a true and fair view of the state of the charitable company's affairs as at 5 April 2022 and of its incoming resources and application of resources, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Companies Act 2006.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the *Auditor's responsibilities for the audit of the financial statements* section of our report. We are independent of the Foundation in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

In auditing the financial statements, we have concluded that the trustees' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the Foundation's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the trustees with respect to going concern are described in the relevant sections of this report.

Other information

The other information comprises the information included in the annual report other than the financial statements and our auditor's report thereon. The trustees are responsible for the other information contained within the annual report. Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon. Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the course of the audit, or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether this gives rise to a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

Matters on which we are required to report by exception

We have nothing to report in respect of the following matters in relation to which the Charities (Accounts and Reports) Regulations 2008 require us to report to you if, in our opinion:

- the information given in the financial statements is inconsistent in any material respect with the trustees' report; or
- sufficient accounting records have not been kept; or
- the financial statements are not in agreement with the accounting records; or
- we have not received all the information and explanations we require for our audit.

THE CHRONIC DISEASE RESEARCH FOUNDATION

INDEPENDENT AUDITOR'S REPORT (CONTINUED)

TO THE TRUSTEES OF THE CHRONIC DISEASE RESEARCH FOUNDATION

Responsibilities of trustees

As explained more fully in the statement of trustees' responsibilities, the trustees, who are also the directors of the Foundation for the purpose of company law, are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as the trustees determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error. In preparing the financial statements, the trustees are responsible for assessing the Foundation's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the trustees either intend to liquidate the charitable company or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities for the audit of the financial statements

We have been appointed as auditor under section 144 of the Charities Act 2011 and report in accordance with the Act and relevant regulations made or having effect thereunder.

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

The extent to which our procedures are capable of detecting irregularities, including fraud, is detailed below.

The objectives of our audit are to identify and assess the risks of material misstatement of the financial statements due to fraud or error; to obtain sufficient appropriate audit evidence regarding the assessed risks of material misstatement due to fraud or error; and to respond appropriately to those risks.

Based on our understanding of the charity and industry, and through discussion with the trustees and other management (as required by auditing standards), we identified that the principal risks of non-compliance with laws and regulations related to the Companies Act 2006, Charities Act 2011, employment law, Data Protection Act and GDPR. We considered the extent to which non-compliance might have a material effect on the financial statements. We also considered those laws and regulations that have a direct impact on the preparation of the financial statements such as FRS 102 and the Charities Statement of Recommended Practice (SORP). We communicated identified laws and regulations throughout our team and remained alert to any indications of non-compliance throughout the audit.

THE CHRONIC DISEASE RESEARCH FOUNDATION

INDEPENDENT AUDITOR'S REPORT (CONTINUED)

TO THE TRUSTEES OF THE CHRONIC DISEASE RESEARCH FOUNDATION

We evaluated management's incentives and opportunities for fraudulent activities in the financial statements (including the risk of override of controls), and assessed that the principal risks could relate to posting journal entries to artificially increase income or reduce expenditure, related party transactions, management bias in accounting estimates and judgmental areas of the financial statements such as the allocation of support cost expenditure. Audit procedures performed by the engagement team included:

- Discussions with management and assessment of known or suspected instances of non-compliance with laws and regulations (including health and safety) and fraud, and review of the reports made by management; and
- A review of relevant correspondence, including correspondence with HM Revenue & Customs, for signs of potential non-compliance with laws and regulations; and
- A review of specific nominal codes within the accounting records that would highlight costs associated with non-compliance of relevant laws and regulations; and
- Assessment of identified fraud risk factors; and
- Challenging assumptions and judgements made by management in its significant accounting estimates; and
- Performing analytical procedures to identify any unusual or unexpected relationships, including related party transactions, that may indicate risks of material misstatement due to fraud; and
- Confirmation of related parties with management, and review of transactions throughout the period to identify any previously undisclosed transactions with related parties outside the normal course of business; and
- Reading minutes of meetings of those charged with governance; and
- Review of significant and unusual transactions and evaluation of the underlying financial rationale supporting the transactions; and
- Identifying and testing journal entries, in particular any manual entries made at the year-end for financial statement preparation, as well as throughout the year.

There are inherent limitations in the audit procedures described above and the further removed non-compliance with laws and regulations is from the events and transactions reflected in the financial statements, the less likely we would become aware of it. Also, the risk of not detecting a material misstatement due to fraud is higher than the risk of not detecting one resulting from error, as fraud may involve deliberate concealment by, for example, forgery or intentional misrepresentations, or through collusion.

As part of an audit in accordance with ISAs (UK), we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion of the effectiveness of the charity's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the Trustees.
- Conclude on the appropriateness of the Trustees' use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the charity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our Auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our Auditor's report. However, future events or conditions may cause the charity to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

THE CHRONIC DISEASE RESEARCH FOUNDATION

INDEPENDENT AUDITOR'S REPORT (CONTINUED)

TO THE TRUSTEES OF THE CHRONIC DISEASE RESEARCH FOUNDATION

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit

A further description of our responsibilities is available on the Financial Reporting Council's website at: <https://www.frc.org.uk/auditorsresponsibilities>. This description forms part of our auditor's report.

Use of our report

This report is made solely to the charity's trustees, as a body, in accordance with part 4 of the Charities (Accounts and Reports) Regulations 2008. Our audit work has been undertaken so that we might state to the charity's trustees those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the charity and the charity's trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Plummer Parsons

7 December 2022

**Chartered Accountants
Statutory Auditor**

18 Hyde Gardens
Eastbourne
East Sussex
BN21 4PT

Plummer Parsons is eligible for appointment as auditor of the Foundation by virtue of its eligibility for appointment as auditor of a company under section 1212 of the Companies Act 2006.

THE CHRONIC DISEASE RESEARCH FOUNDATION

STATEMENT OF FINANCIAL ACTIVITIES INCLUDING INCOME AND EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 5 APRIL 2022

Current financial year

		Unrestricted funds general 2022 £	Unrestricted funds designated 2022 £	Restricted funds 2022 £	Total 2022 £	Total 2021 £
	Notes					
Income from:						
Donations and legacies	3	10,086	86,501	334,456	431,043	3,200,683
Investments	4	49,929	-	-	49,929	17,528
Total income		60,015	86,501	334,456	480,972	3,218,211
Expenditure on:						
Raising funds	5	3,707	-	-	3,707	46,662
Charitable activities	6	-	239,382	1,576,596	1,815,978	643,686
Total expenditure		3,707	239,382	1,576,596	1,819,685	690,348
Net incoming/(outgoing) resources before transfers		56,308	(152,881)	(1,242,140)	(1,338,713)	2,527,863
Gross transfers between funds		(16,223)	(243,040)	259,263	-	-
Net income/(expenditure) for the year/ Net movement in funds		40,085	(395,921)	(982,877)	(1,338,713)	2,527,863
Fund balances at 6 April 2021		158,631	1,869,111	3,039,171	5,066,913	2,539,050
Fund balances at 5 April 2022		198,716	1,473,190	2,056,294	3,728,200	5,066,913

The statement of financial activities includes all gains and losses recognised in the year.

All income and expenditure derive from continuing activities.

The statement of financial activities also complies with the requirements for an income and expenditure account under the Companies Act 2006.

THE CHRONIC DISEASE RESEARCH FOUNDATION

STATEMENT OF FINANCIAL ACTIVITIES (CONTINUED) INCLUDING INCOME AND EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 5 APRIL 2022

Prior financial year

		Unrestricted funds general 2021 £	Unrestricted funds designated 2021 £	Restricted funds 2021 £	Total 2021 £
	Notes				
Income from:					
Donations and legacies	3	299	1,915,773	1,284,611	3,200,683
Investments	4	17,528	-	-	17,528
Total income		17,827	1,915,773	1,284,611	3,218,211
Expenditure on:					
Raising funds	5	-	46,662	-	46,662
Charitable activities	6	-	-	643,686	643,686
Total expenditure		-	46,662	643,686	690,348
Net incoming/(outgoing) resources before transfers		17,827	1,869,111	640,925	2,527,863
Net income/(expenditure) for the year/ Net movement in funds		17,827	1,869,111	640,925	2,527,863
Fund balances at 6 April 2020		140,804	-	2,398,246	2,539,050
Fund balances at 5 April 2021		158,631	1,869,111	3,039,171	5,066,913

THE CHRONIC DISEASE RESEARCH FOUNDATION

STATEMENT OF FINANCIAL POSITION

AS AT 5 APRIL 2022

	Notes	2022 £	£	2021 £	£
Current assets					
Trade and other receivables	12	-		272,500	
Investments	13	2,585,000		3,250,000	
Cash at bank and in hand		1,979,501		1,905,037	
		<u>4,564,501</u>		<u>5,427,537</u>	
Current liabilities	14	(836,301)		(360,624)	
Net current assets			3,728,200		5,066,913
			<u>3,728,200</u>		<u>5,066,913</u>
Income funds					
Restricted funds	17		2,056,294		3,039,171
<u>Unrestricted funds - general</u>					
Designated funds	18	1,473,190		1,869,111	
General unrestricted funds		<u>198,716</u>		<u>158,631</u>	
			1,671,906		2,027,742
			<u>3,728,200</u>		<u>5,066,913</u>

The company is entitled to the exemption from the audit requirement contained in section 477 of the Companies Act 2006, for the year ended 5 April 2022, although an audit has been carried out under section 144 of the Charities Act 2011.

The directors acknowledge their responsibilities for complying with the requirements of the Companies Act 2006 with respect to accounting records and the preparation of financial statements.

The members have not required the company to obtain an audit of its financial statements under the requirements of the Companies Act 2006, for the year in question in accordance with section 476.

These financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies regime.

The financial statements were approved by the Trustees on 21 November 2022

Mr N S Pike
Trustee

Company Registration No. 12266787

THE CHRONIC DISEASE RESEARCH FOUNDATION

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED 5 APRIL 2022

	Notes	2022 £	£	2021 £	£
Cash flows from operating activities					
Cash (absorbed by)/generated from operations	21		(640,465)		1,761,869
Investing activities					
Proceeds from disposal of investments		665,000		(3,250,000)	
Investment income received		49,929		17,528	
Net cash generated from/(used in) investing activities			714,929		(3,232,472)
Net cash used in financing activities			-		-
Net increase/(decrease) in cash and cash equivalents			74,464		(1,470,603)
Cash and cash equivalents at beginning of year			1,905,037		3,375,640
Cash and cash equivalents at end of year			1,979,501		1,905,037

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEAR ENDED 5 APRIL 2022

1 Accounting policies

Charity information

The Chronic Disease Research Foundation is a private company limited by guarantee incorporated in England and Wales. The registered office is St Martin's Court, 10 Paternoster Row, London, EC4M 7EJ.

1.1 Accounting convention

The financial statements have been prepared in accordance with the Foundation's Memorandum and Articles of Association, the Companies Act 2006 and "Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2019)". The Foundation is a Public Benefit Entity as defined by FRS 102.

The financial statements are prepared in sterling, which is the functional currency of the Foundation. Monetary amounts in these financial statements are rounded to the nearest £.

The financial statements have been prepared under the historical cost convention. The principal accounting policies adopted are set out below.

The Chronic Disease Research Foundation is a member of the umbrella organisation, the Association of Medical Research Charities.

1.2 Going concern

At the time of approving the financial statements, the trustees have a reasonable expectation that the Foundation has adequate resources to continue in operational existence for the foreseeable future. Thus the trustees continue to adopt the going concern basis of accounting in preparing the financial statements.

1.3 Charitable funds

Unrestricted funds are available for use at the discretion of the trustees in furtherance of their charitable objectives.

Designated funds comprise funds which have been set aside at the discretion of the trustees for specific purposes. The purposes and uses of the designated funds are set out in the notes to the financial statements.

Restricted funds are subject to specific conditions by donors as to how they may be used. The purposes and uses of the restricted funds are set out in the notes to the financial statements.

1.4 Income

Income is recognised when the Foundation is legally entitled to it after any performance conditions have been met, the amounts can be measured reliably, and it is probable that income will be received.

Cash donations are recognised on receipt. Other donations are recognised once the Foundation has been notified of the donation, unless performance conditions require deferral of the amount. Income tax recoverable in relation to donations received under Gift Aid or deeds of covenant is recognised at the time of the donation.

Legacies are recognised on receipt or otherwise if the Foundation has been notified of an impending distribution, the amount is known, and receipt is expected. If the amount is not known, the legacy is treated as a contingent asset.

Turnover is measured at the fair value of the consideration received or receivable and represents amounts receivable for goods and services provided in the normal course of business, net of discounts, VAT and other sales related taxes.

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

1 Accounting policies

(Continued)

1.5 Expenditure

Grants provided are, in the main, awarded to various departments of Kings College London (KCL). The research and fulfilment of the project is undertaken by KCL, with the results of each study being monitored by the Foundation's trustees. The results of these studies advance the medical profession as a whole and as such benefit all areas of society.

When the Foundation makes an award, it reserves the right, without notice, to terminate it should it so wish. In such a case, the Foundation will reimburse the Institution for expenditure properly and reasonably incurred under the award up to the termination date but will not be responsible for claims for compensation for which the Institution may be liable as an employer.

Grants are recognised in the accounts when the Foundation is committed to making the payment, based on the requirements of each grant agreement.

Support/governance costs are those that related to the running of the Foundation and fulfilling its statutory obligations. These costs are recognised when incurred.

1.6 Cash and cash equivalents

Cash and cash equivalents include cash in hand, deposits held at call with banks, other short-term liquid investments with original maturities of three months or less, and bank overdrafts. Bank overdrafts are shown within borrowings in current liabilities.

1.7 Financial instruments

The Foundation has elected to apply the provisions of Section 11 'Basic Financial Instruments' and Section 12 'Other Financial Instruments Issues' of FRS 102 to all of its financial instruments.

Financial instruments are recognised in the Foundation's balance sheet when the Foundation becomes party to the contractual provisions of the instrument.

Financial assets and liabilities are offset, with the net amounts presented in the financial statements, when there is a legally enforceable right to set off the recognised amounts and there is an intention to settle on a net basis or to realise the asset and settle the liability simultaneously.

Basic financial assets

Basic financial assets, which include trade and other receivables and cash and bank balances, are initially measured at transaction price including transaction costs and are subsequently carried at amortised cost using the effective interest method unless the arrangement constitutes a financing transaction, where the transaction is measured at the present value of the future receipts discounted at a market rate of interest. Financial assets classified as receivable within one year are not amortised.

Basic financial liabilities

Basic financial liabilities, including trade and other payables and bank loans are initially recognised at transaction price unless the arrangement constitutes a financing transaction, where the debt instrument is measured at the present value of the future payments discounted at a market rate of interest. Financial liabilities classified as payable within one year are not amortised.

Debt instruments are subsequently carried at amortised cost, using the effective interest rate method.

Trade payables are obligations to pay for goods or services that have been acquired in the ordinary course of operations from suppliers. Amounts payable are classified as current liabilities if payment is due within one year or less. If not, they are presented as non-current liabilities. Trade payables are recognised initially at transaction price and subsequently measured at amortised cost using the effective interest method.

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

1 Accounting policies

(Continued)

Derecognition of financial liabilities

Financial liabilities are derecognised when the Foundation's contractual obligations expire or are discharged or cancelled.

1.8 Employee benefits

The cost of any unused holiday entitlement, if material, is recognised in the period in which the employee's services are received.

Termination benefits are recognised immediately as an expense when the Foundation is demonstrably committed to terminate the employment of an employee or to provide termination benefits.

1.9 Retirement benefits

Payments to defined contribution retirement benefit schemes are charged as an expense as they fall due.

2 Critical accounting estimates and judgements

In the application of the Foundation's accounting policies, the trustees are required to make judgements, estimates and assumptions about the carrying amount of assets and liabilities that are not readily apparent from other sources. The estimates and associated assumptions are based on historical experience and other factors that are considered to be relevant. Actual results may differ from these estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised where the revision affects only that period, or in the period of the revision and future periods where the revision affects both current and future periods.

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

3 Donations and legacies

	Unrestricted funds general 2022 £	Unrestricted funds designated 2022 £	Restricted funds 2022 £	Total 2022 £	Unrestricted funds general 2021 £	Unrestricted funds designated 2021 £	Restricted funds 2021 £	Total 2021 £
Donations and gifts	10,086	86,501	-	96,587	299	1,915,773	-	1,916,072
Grants	-	-	334,456	334,456	-	-	1,284,611	1,284,611
	<u>10,086</u>	<u>86,501</u>	<u>334,456</u>	<u>431,043</u>	<u>299</u>	<u>1,915,773</u>	<u>1,284,611</u>	<u>3,200,683</u>

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED) FOR THE YEAR ENDED 5 APRIL 2022

4 Investments

	Unrestricted funds general 2022 £	Unrestricted funds general 2021 £
Interest receivable	49,929	17,528

5 Raising funds

	Unrestricted funds general 2022 £	Unrestricted funds designated 2021 £
<u>Fundraising and publicity</u>		
Fees deducted from online donations received	-	46,662
<u>Investment management</u>	3,707	-
	3,707	46,662

6 Charitable activities

	Charitable Expenditure 2022 £	Charitable Expenditure 2021 £
Grant funding of activities (see note 7)	1,761,921	580,872
Share of support costs (see note 8)	31,330	-
Share of governance costs (see note 8)	22,727	62,814
	1,815,978	643,686
Analysis by fund		
Unrestricted funds - designated	239,382	-
Restricted funds	1,576,596	643,686
	1,815,978	643,686

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

7 Grants payable

	Charitable Expenditure 2022 £	Charitable Expenditure 2021 £
Grants to institutions:		
Role of urinary microbiome in relation to Morbidity in Older People (award 9)	121,443	-
Role of the cardi-metabolic health associated faecal metabolome (award 10)	26,500	-
Utilising Omega 3 and Fibre to improve metabolic health: a proof of concept nutritional intervention study targeting the Gut Microbiome (award 11)	56,183	57,989
A statistical framework for personalised nutrition recommendations based on genetic and anthropometric data (award 12)	24,056	-
Gut microbiome modulation of fasting glucose homeostasis and postprandial glycaemic response in TwinsUK and PREDICT: towards personalised diet for healthy aging (award 13)	20	17,832
Influence of the gut microbiome on inter-individual differences in blood pressure at fasting and in response to a combined glycaemic and lipaemic test meal challenge (award 15)	40,138	-
Assessing the role of long and short-term food choices on gut microbiome-induced visceral fat mass accumulation (award 16)	-	15,368
Microbiome Laboratory (award 17)	70,190	-
TwinsUK Covid-19 Research Project (award 21)	-	346,664
The COVID Symptom study Application: Research Platform and Biobank (award 22)	532,736	143,019
Gut Microbiome and Cardiovascular outcomes (award 18 & 19)	595,645	-
Targeted metabolomics of urine samples to understand the role of the gut microbiota in food polyphenol metabolism (award 20)	9,990	-
Denise Coates Foundation Long Covid study (award 23)	285,020	-
	<u>1,761,921</u>	<u>580,872</u>

All of the above grants were made to Kings College, London (KCL). The previous year's grants were all to KCL.

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THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

8 Support costs

	Support costs	Governance costs	2022	2021
	£	£	£	£
Staff costs	30,713	-	30,713	-
Support costs - Direct	617	-	617	-
Audit fees	-	11,118	11,118	7,332
Accountancy	-	3,624	3,624	3,014
Legal and professional	-	7,262	7,262	24,202
Management expenses	-	483	483	28,119
Bank charges	-	149	149	147
PPS and computer	-	161	161	-
Sundry	-	(70)	(70)	-
	<u>31,330</u>	<u>22,727</u>	<u>54,057</u>	<u>62,814</u>
Analysed between				
Charitable activities	<u>31,330</u>	<u>22,727</u>	<u>54,057</u>	<u>62,814</u>

Governance costs includes payments to the auditors of £11,118 for audit fees (2021 £7,332) and £3,624 for other services (2021 £3,014).

9 Trustees

None of the trustees (or any persons connected with them) received any remuneration, reimbursement of expenses or benefits from the Foundation during the year.

10 Employees

The average monthly number of employees during the year was:

	2022 Number	2021 Number
	<u>1</u>	<u>-</u>
Employment costs	2022	2021
	£	£
Wages and salaries	30,000	-
Other pension costs	713	-
	<u>30,713</u>	<u>-</u>

The remuneration paid to Key Management Personnel amounted to £30,713 (2021: £nil) during the year.

There were no employees whose annual remuneration was more than £60,000.

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

11	Financial instruments	2022	2021
		£	£
	Carrying amount of financial assets		
	Instruments measured at fair value through profit or loss	2,585,000	3,250,000
12	Trade and other receivables	2022	2021
		£	£
	Amounts falling due within one year:		
	Other receivables	-	272,500
13	Current asset investments	2022	2021
		£	£
	Unlisted investments	2,585,000	3,250,000
	Investments represent cash held on long term deposits.		
14	Current liabilities	2022	2021
		£	£
	Other taxation and social security	2,582	-
	Trade payables	726,749	351,096
	Accruals and deferred income	106,970	9,528
		836,301	360,624

Accruals includes £94,673 (2021: £Nil) towards project expenditure incurred but not invoiced until after the year end.

15 Contingent liabilities

At the end of the year, the Foundation has agreed to make further grants of up to £2,150,993 (2021: £4,502,430) to various projects. The timing of these payments is not yet known.

Some of the grants received contain a claw-back clause if all of the grant conditions are not followed. The trustees do not anticipate that these clauses should be enacted and will do everything in their power to ensure that the terms are adhered to.

16 Retirement benefit schemes

Defined contribution schemes

The Foundation operates a defined contribution pension scheme for all qualifying employees. The assets of the scheme are held separately from those of the Foundation in an independently administered fund.

The charge to profit or loss in respect of defined contribution schemes was £713 (2021 - £Nil).

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

17 Restricted funds

The income funds of the charity include restricted funds comprising the following unexpended balances of donations and grants held on trust for specific purposes:

	Movement in funds				Movement in funds				
	Balance at 6 April 2020	Incoming resources	Resources expended	Transfers	Balance at 6 April 2021	Incoming resources	Resources expended	Transfers	Balance at 5 April 2022
	£	£	£	£	£	£	£	£	£
Urinary microbiome	120,452	-	-	-	120,452	-	(121,443)	1,469	478
Laboratory	650,000	-	-	-	650,000	-	(70,191)	-	579,809
Microbiome research projects	571,717	250,000	(91,189)	(59,996)	670,532	300,000	(156,887)	-	813,645
Gut microbiome	1,025,779	-	-	-	1,025,779	-	(595,645)	-	430,134
Administration	30,298	37,363	(62,814)	-	4,847	34,456	(54,057)	14,754	-
Coronavirus symptom study	-	500,000	(489,683)	39,996	50,313	-	(293,353)	243,040	-
Long Covid study	-	497,248	-	20,000	517,248	-	(285,020)	-	232,228
	<u>2,398,246</u>	<u>1,284,611</u>	<u>(643,686)</u>	<u>-</u>	<u>3,039,171</u>	<u>334,456</u>	<u>(1,576,596)</u>	<u>259,263</u>	<u>2,056,294</u>

The Urinary Microbiome fund relates to the restricted income and expenditure towards a project relating to the Urinary microbiome and its relation to morbidity in older people. Funding for the project included £30,000 (2021: £23,200) to be used towards the foundations administration costs.

The Laboratory fund consists of amounts received with the restricted purpose of funding the cost of equipping and operating a laboratory for 4 years.

The Microbiome research projects fund is for the support of activities relating to the study of the Microbiome and aging.

The Gut microbiome fund relates to projects evaluating the effect of gut microbiomes on cardiovascular outcomes.

The Administration fund relates to the amounts that have been received with the purpose of being used to cover the foundations administration costs.

The Long Covid research fund and Coronavirus Symptom study contain grants given specifically to investigate Covid-19 and the long term effects.

Transfers during the year for Urinary microbiome and Administration relate to transfers from unrestricted funds to account for additional expenditure incurred.

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

18 Designated funds

The income funds of the charity include the following designated funds which have been set aside out of unrestricted funds by the trustees for specific purposes:

	Movement in funds			Movement in funds			Balance at 5 April 2022
	Incoming resources £	Resources expended £	Balance at 6 April 2021 £	Incoming resources £	Resources expended £	Transfers £	
Coronavirus symptom study	1,412,773	(46,662)	1,366,111	86,501	(239,382)	(243,040)	970,190
Long Covid study	503,000	-	503,000	-	-	-	503,000
	<u>1,915,773</u>	<u>(46,662)</u>	<u>1,869,111</u>	<u>86,501</u>	<u>(239,382)</u>	<u>(243,040)</u>	<u>1,473,190</u>

The Coronavirus Symptom Study fund contains amounts raised toward the symptom study work being carried out throughout the pandemic. These donations were to be used towards Covid-19 research as required, with any surplus funds being available for general use within CDRF.

The transfers from the Long Covid study designated fund relate to transfers to the restricted Long Covid study as a contribution towards the expenditure incurred during the year.

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

19 Analysis of net assets between funds

	Unrestricted funds 2022 £	Designated funds 2022 £	Restricted funds 2022 £	Total 2022 £	Unrestricted funds 2021 £	Designated funds 2021 £	Restricted funds 2021 £	Total 2021 £
Fund balances at 5 April 2022 are represented by:								
Current assets/(liabilities)	198,716	1,575,046	1,954,438	3,728,200	158,631	1,869,111	3,039,171	5,066,913
	<u>198,716</u>	<u>1,575,046</u>	<u>1,954,438</u>	<u>3,728,200</u>	<u>158,631</u>	<u>1,869,111</u>	<u>3,039,171</u>	<u>5,066,913</u>

THE CHRONIC DISEASE RESEARCH FOUNDATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 5 APRIL 2022

20 Related party transactions

Transactions with related parties

During the year the Foundation entered into the following transactions with related parties:

During the year, £7,262 was charged by Collyer Bristow for administration and other legal services. (2021: £24,202). Mr M D B Simon, trustee, is a partner of Collyer Bristow.

Expenditure in the year includes £394,975 to projects of which Professor Tim Spector (Medical Director) is the lead researcher. A further £681,010 has been approved for payment to projects led by Professor Spector and this is contained in Contingent liabilities (2021: £91,189 paid with £874,843 in Contingent liabilities).

In June 2018, the Foundation was granted an option agreement, to buy 43,242 shares in Zoe Global Limited (now Zoe Limited), at any point in the subsequent 15 years. The Foundation's Medical Director, Professor Tim Spector, is one of the founders of Zoe Global Limited. At the end of the year, the trustees have estimated the value of these share options using a share option pricing model as being no more than £3,900. As Zoe Limited is still a relatively new company and the Foundation does not expect to exercise its options within the foreseeable future, the trustees regard it as prudent not to include any valuation in the accounts for these share options at the present time. The trustees will re-assess the situation at each subsequent year end.

21 Cash generated from operations	2022 £	2021 £
(Deficit)/surplus for the year	(1,338,713)	2,527,863
Adjustments for:		
Investment income recognised in statement of financial activities	(49,929)	(17,528)
Movements in working capital:		
Decrease/(increase) in trade and other receivables	272,500	(272,500)
Increase/(decrease) in trade and other payables	475,677	(475,966)
Cash (absorbed by)/generated from operations	(640,465)	1,761,869
22 Analysis of changes in net funds		
The Foundation had no debt during the year.		