

1 **Thursday, 1 April 2021**

2 **(10.00 am)**

3 **SIR BRIAN LANGSTAFF:** Good morning, Dr Benson. Can you

4 hear me?

5 **THE WITNESS:** Good morning. I can indeed, yes.

6 **SIR BRIAN LANGSTAFF:** Thank you for joining us. I hope

7 the weather in Belfast has not -- I hope it has been

8 as good as it has been here, although I think you are

9 at the moment in the City Hospital, are you?

10 **THE WITNESS:** Yes, that's correct.

11 **SIR BRIAN LANGSTAFF:** In a room, private room, there?

12 **THE WITNESS:** Yes, in a private room, just with the

13 gentlemen that you provided for the IT support.

14 **SIR BRIAN LANGSTAFF:** I'm told there may be a problem with

15 that at a later stage because of the access question

16 but you'll be quickly remedied if it exists. If that

17 happens we'll just have to play it by ear at the time.

18 It does mean that I should say now that if

19 there is any break what you mustn't do, because you

20 are going to give evidence, is talk to anyone about

21 the evidence you have given or you think you may yet

22 be asked to give, whoever they are, but you can talk

23 about anything else you like.

24 Let me tell you who you are talking to. You

25 are talking to a very large room here, which can, when

1

1 **Q.** You then undertook various house officer jobs between

2 1999 and 2003, all in Northern Ireland?

3 **A.** That's correct, yes.

4 **Q.** And you then had specialist registrar training in

5 Belfast in haematology from February 2003?

6 **A.** Right, yes.

7 **Q.** It's right, isn't it, that you spent some time at the

8 Royal Infirmary in Edinburgh from February 2007

9 through to January 2008?

10 **A.** Yes, that's correct, and as part of -- oh, sorry.

11 **Q.** No, go ahead.

12 **A.** As part of my interest or training throughout the

13 initial part of the specialist registrar trainings

14 in -- at the time of my declaration of interest within

15 the area of coagulation disorders there was no

16 full-time substantive consultant in the Northern

17 Ireland Haemophilia Comprehensive Care Centre, so the

18 training programme service and the training programme

19 director then had contacts with the Royal Infirmary,

20 largely through Dr Anderson, who had been a consultant

21 at one of the times as my registrar timing at the

22 haemophilia service. So it was set up through the

23 Trust, with support financially, and through NIMDTA,

24 and the training programme, that I would spend my

25 final year in the programme, but with specific

3

1 it's full, accommodate about 200 people. It isn't

2 full. It has eight people in it, all of whom, apart

3 from Ms Fraser Butlin, who will be asking you the

4 questions, and myself at the moment, are wearing

5 masks.

6 Mary will come and ask you to take the oath in

7 a moment or two. The other name you may hear is

8 Soumik, who will present any documents that we invite

9 you to comment on in the course of questioning.

10 But the real audience are the 200 or

11 thereabouts people who are watching remotely. It is

12 to them really that you giving your evidence. This is

13 a public inquiry. They are the public.

14 Without more ado, Mary, would you ask Dr Benson

15 to take the oath.

16 **DR GARY BENSON (sworn)**

17 **Questions by MS FRASER BUTLIN**

18 **MS FRASER BUTLIN:** Thank you.

19 Good morning, Dr Benson. Can I check first

20 that you can see and hear me?

21 **A.** I can indeed, yes. Thank you.

22 **Q.** I'm going to start off by asking you some questions

23 about your CV. You qualified and completed your

24 medical training in 1999?

25 **A.** Yes, that's correct.

2

1 training with regard to the coagulation disorders

2 which Belfast could not have provided me at that time.

3 **Q.** I want to come back to your time in Edinburgh in just

4 a moment, once we've sketched out your CV.

5 You returned from Edinburgh in February 2008 to

6 take up your consultant post in Belfast?

7 **A.** (Nodded).

8 **Q.** That post includes the role of director of the

9 Northern Ireland Haemophilia Comprehensive Care

10 Centre, that's right?

11 **A.** Yes, the post itself is a consultant haematologist

12 with a special interest in the disorders of

13 coagulation, and one of the roles of that overarching

14 post is to be the Haemophilia Service Centre Director.

15 **Q.** You are also the clinical director of Blood Services

16 within the Belfast Health and Social Care Trust?

17 **A.** Yes, that was a recent appointment three years ago

18 that I took up that additional role for the Blood

19 Sciences and laboratory in clinical haematology.

20 **Q.** When you became director of the Belfast centre, you

21 also became a member of the UKHCDO Advisory Committee;

22 is that correct?

23 **A.** Yes, that's correct to represent Northern Ireland on

24 the group.

25 **Q.** Now before we discuss Belfast, I want to ask about two

4

1 areas. Firstly, can you recall what you learnt during
2 your medical training about the risk of viral
3 infection via blood and blood products, particularly
4 in relation to HIV and hepatitis C?

5 **A.** So even before my medical training, being a child of
6 the early 1980s, very much aware of blood transfusion
7 and viral transmission risks. As an undergraduate,
8 through training for both microbiology and virology,
9 it was very clearly taught with regards to the
10 HIV virus and the hepatitis viruses and the risks of
11 blood transmission. And again, that was further
12 augmented through my haematology specialty training,
13 and I was very fortunate, through the training, to
14 spend a three-month allocation within the Northern
15 Ireland Blood Transfusion Service, where quite
16 a significant time is spent on understanding
17 microbiological and virological screening of donated
18 blood.

19 **Q.** Can you recall what you were taught about the
20 seriousness of hepatitis C as a disease?

21 **A.** It was clearly taught with regards to its blood
22 transmission route as well as, although a little bit
23 rarely, with regard to sexual transmission. The
24 derangement of the liver function tests in the acute
25 stage and the acute hepatitis that is witnessed. And

5

1 **A.** I did, yes. Professor Ludlam was one of the three
2 consultants at that time.

3 **Q.** Can you tell us anything about the approach that
4 Professor Ludlam took towards running the department.
5 Was it collaborative or was it a more traditional
6 hierarchical approach that he took?

7 **A.** Never really thought about it. I think with regards
8 to -- much more of a -- there were aspects of
9 collaborative working, there were aspects of being
10 a senior clinician with regards to working with
11 a junior team and directing and supporting them with
12 regards to it. So I think that at different times,
13 depending on the different clinics or the needs of the
14 service, the -- his role was somewhat different.
15 I found him personally very supportive with regards to
16 my interest within the specialty and certainly that he
17 furthered that and very kindly facilitated that with
18 his colleagues and his laboratory team.

19 **Q.** We've heard, over the course of the Inquiry, a lot of
20 evidence from different clinicians and from patients
21 about the different approaches that doctors can take,
22 that they can be more of the traditional approach or
23 they can have a more -- a different approach in
24 relation to how they relate to patients as well. Did
25 you observe anything in relation to how

7

1 then also the protracted and prodromal phase of -- for
2 the majority of patients in an asymptomatic carrier
3 state, with an increased risk of liver cirrhosis and
4 liver cancer development, and also, on occasions,
5 liver transplantation as a means of its treatment.

6 **Q.** Secondly, I want to ask you a little bit about your
7 time as a specialist registrar in Edinburgh. During
8 that time you've mentioned that it was arranged
9 through Dr Anderson but did you also work under
10 Professor Ludlam?

11 **A.** So it wasn't arranged by Dr Anderson. Because of the
12 contact -- Dr Anderson obviously came to Belfast from
13 Edinburgh, so based on her history with the service,
14 the decision with Professor McMullin, who was the
15 training programme director, and Professor Ludlam, and
16 the Edinburgh training deanery, the transfer was done,
17 so I was a supernumerary registrar, so that's to say
18 I was not taking part in the Edinburgh training
19 scheme, and I was an addition to the medical team,
20 with the limitation in my role with regard to the
21 haemophilia service and the management and the
22 follow-up of the patients and surgery, and gaining
23 experience both clinically as well as laboratory with
24 regards to the service.

25 **Q.** Did you work under Professor Ludlam during that time?

6

1 Professor Ludlam generally interacted with patients?
2 Was he of the more old school consultant or the
3 more -- that's very stereotypical, but of the more
4 traditional approach or more modern approach or more
5 collaborative with patients?

6 **A.** I wouldn't have originally seen patients with
7 Professor Ludlam so I wouldn't really have an
8 observation with regards to his ways in that way.

9 **Q.** Were you aware of any research being carried out in
10 Edinburgh involving patients?

11 **A.** No.

12 **Q.** Now, if we look at your arrival in Belfast, when you
13 took up your post can you describe for us the physical
14 facilities that the centre had at that time?

15 **A.** So in -- I was a trainee from 2003 to 2007, before
16 I left, so certainly very aware of what was there at
17 that time. As a consultant it had not changed that
18 much from the original service that had set up further
19 to the amalgamation of the two haematology services
20 between the Royal Victoria Hospital and the Belfast
21 City Hospital, and that was just before I started as
22 a senior house officer in haematology.

23 So in 2008 the haemophilia centre was
24 established and placed in the Bridgewater Suite, which
25 is on C floor of the Belfast City Hospital, and that's

8

1 a shared floor with clinical haematology and also the
2 out-patient cancer services. So it's a dedicated
3 space.

4 It consists of, and still does today, an office
5 which is both my office as well as a room within which
6 I will consult with patients on a day-to-day basis.
7 There is a treatment room which has a bed in it, so if
8 patients were to attend during the day with a crisis
9 or if they were going for a procedure in the hospital,
10 they would be facilitated there and we would attend to
11 their needs with clotting factor. If they needed to
12 be admitted they would be admitted from that bed to
13 somewhere else in the hospital.

14 Adjacent to that, there is a specialty doctor
15 room, which our predecessor, Dr Orla McNulty, and now
16 Dr Charlene Neill, are based in, and they're based in
17 that room the whole time, again, their office, as well
18 as their consulting room. As a sort of sweep-around,
19 there's a disabled access toilet, next is a specialty
20 registrar room, so we are very fortunate with the
21 training scheme that a registrar is afforded to the
22 haemophilia service all --

(Connection lost)

23 **Q.** I think we've lost connection.

24 **A.** -- majority will do too.

9

1 medical records are retained within the administration
2 room separately.

3 **MS FRASER BUTLIN:** We'll come back to medical records
4 a little later this morning. What I want to pick up
5 now with you is some sense of the staffing that's been
6 in place at the centre. And if we start off with when
7 you took up post, I understand from your statement
8 that you were a single-handed consultant with
9 Dr Orla McNulty as the specialist doctor.

10 **A.** That's correct. And Orla was regraded as an associate
11 specialist during my time there prior to her
12 retirement. Then there were two full-time clinical
13 nurse specialists, with Sister Colette McAfee and
14 Staff Nurse Margaret O'Donnell. So with regard to the
15 medical and the nursing makeup of the service in
16 February 2008, it was a total of four staff. We had
17 a secretary and receptionist and two biomedical
18 scientists within our laboratory undertaking the
19 specialty coagulation investigations both for the
20 patients but also for the region, in Northern Ireland,
21 and a clinical scientist, Dr Paul Winter, responsible
22 for the genetic screening of the patients.

23 **Q.** So that we can get more of a snapshot of how things
24 were when you arrived, could we have a look at the
25 2006 UKHCDO audit.

11

1 **SIR BRIAN LANGSTAFF:** We may just have lost a little bit
2 of the sound there. Do you want to repeat where you
3 were?

4 We got as far as you were very fortunate with
5 the training scheme, a registrar was afforded to the
6 haemophilia service, and then we lost you.

7 **A.** Okay, sorry.

8 So the registrars rotate on a three-monthly
9 basis throughout their five-year training, and most of
10 them will spend at least one three-month period but
11 the majority will spend two three-month periods. So
12 it is a dedicated room that they can stay in and they
13 get their office and consulting room.

14 There's a phlebotomy room, where the patients
15 are attended to separately, and attended to by the
16 haemophilia nurse specialist with regards to their
17 bloods, as they would need to do. We have a full
18 nursing waiting room for the nurses. There's
19 a waiting area within the centre and a large sort of
20 administrative room, which will take the data manager,
21 the haemophilia service secretary as well as
22 a receptionist. So we have a self-contained unit
23 within a unit. And all medical records pertaining to
24 the haemophilia or all of the patients that are looked
25 after at the Centre, not just haemophilia, their

10

1 Soumik, it's WITN3082025.

2 We can see on the first page, towards the
3 bottom, that although it says at the top it's a 2006
4 audit, we can see that the audit visit was actually
5 November 2007 and the final report was submitted in
6 September 2008.

7 If we then turn on to page 13, internal
8 page 13 -- this is something I'm going to pick up
9 later but while we're in the document we'll note it --
10 it says that the previous audit in 2003 -- ah, sir,
11 we've completely lost Dr Benson.

12 **SIR BRIAN LANGSTAFF:** Yes.

13 **MS FRASER BUTLIN:** I wonder if we take a moment's break.

14 **SIR BRIAN LANGSTAFF:** We'll just take a moment to see if
15 we get it back.

16 I am told there was a test conducted yesterday
17 morning, which was fine, but we were warned that there
18 might be -- because it's a Wi-fi system that serves
19 quite a number of appliances, there might be an
20 outage. We'll take a break.

21 **MS FRASER BUTLIN:** Thank you.

22 (10.17 am)

(A short break)

24 (10.20 am)

25 **SIR BRIAN LANGSTAFF:** So we have to pick up again from --

12

1 you were talking about the previous audit in 2003 from
2 the document on the screen.

3 **MS FRASER BUTLIN:** Thank you, sir.

4 We were looking at WITN3082025, page 13.

5 Dr Benson, we'll come to this later. I just
6 want to note it while we're in this document. The
7 2006 audit recorded:

8 "The previous audit in 2003 that highlighted
9 the need for hepatology services -- this has now been
10 addressed."

11 As I say, we'll come back to that. But if we
12 can carry on to page 17 in this document, under the
13 heading of Comments, it noted that:

14 "There have been no meetings with Trust
15 management at BCH for more than 2 years. This must be
16 addressed given other issues that are highlighted in
17 this audit report. Communication between Trust,
18 clinicians and commissioners appears to be very poor."

19 Is that something you were aware of before you
20 arrived?

21 **A.** It's not something that I would have been aware of
22 before I arrived but it's certainly been something
23 that is not the case from 2008 onwards. There are
24 regular meetings between myself and the specialty
25 commissioners at the Health Board with regards to the

13

1 the same one. So with an aim and a goal to develop
2 a multi-professional team it would be difficult to
3 think that they would be on standby for every clinic.

4 So one of the earlier things that were put in
5 place before I started was to construct a dedicated
6 haemophilia home leave clinic on Friday. This just
7 allowed the men with haemophilia to come up and it was
8 a bespoke clinic. This allowed myself and staff to
9 focus only on haemophilia-related needs, it allowed
10 the laboratory to focus on the samples only coming
11 from the men on that day. In addition to focusing on
12 that, we also -- I was also in communication with the
13 obstetrician -- one of the services of Edinburgh that
14 I thought worked exceptionally well was a combined
15 on-site obstetric high-risk clinic which Dr Horn had
16 undertaken on a Friday morning. So I had been in
17 touch with Dr Harper, who had been the specialist with
18 regards to bleeding disorders and really offered, as
19 I constructed a job plan and a job timetable for
20 myself, to seek to put in a high-risk haematology
21 obstetric clinic, which Dr Harper and subsequently
22 Dr Hunter were both exceptionally positive towards.

23 That's been running -- it started six weeks
24 after I had started in 2008 and continues to run on
25 a fortnightly basis for women with bleeding disorders

15

1 haemophilia service budget and staffing, and also
2 regular meetings within the haematology directorate
3 and management structure. So I can't speak of them
4 but I certainly know from 2008 the lengths which we
5 had gone to in order to engage with all the management
6 and the commissioning group.

7 **Q.** In terms of the staffing, if we turn on to page 24 of
8 the report, under the heading "General comments",
9 there's a note that the lack of permanent centre
10 director has had an impact on all members of the
11 multidisciplinary team and it goes on to describe
12 morale as being at an all time low. Again, is that
13 what you found when you arrived, that morale within
14 the staff team was very low?

15 **A.** I think with the arrival there was great positivity
16 and there was a lot of really looking forward to
17 working together and moving forward. During my time
18 in Edinburgh towards the end of it, having been
19 interviewed and successful for the post one of the
20 things that I had done whilst there was to really try
21 to review the service as it had been within Belfast
22 and to try to focus attentions by developing specialty
23 clinics, so for example a general review clinic would
24 have had patients with all of the disorders of
25 coagulation, both bleeding and clotting, coming up to

14

1 who are pregnant and going through pregnancy, as
2 a regional service.

3 So with regards the development of that,
4 leading up to my post, I required the team to assist
5 me and to listen to ideas or to concepts. The kind of
6 thing that they really were very helpful to me for was
7 the construction of a questionnaire that I had written
8 to the patients themselves. The overriding focus that
9 I have always had has been that the haemophilia
10 service should be there to meet the needs of the
11 patients themselves. We're not there to meet our own
12 needs or what we think that they need, it's for us to
13 understand from them.

14 So I'd done a questionnaire in Edinburgh and
15 provided a stamped addressed envelope and that was
16 given out by the team in Belfast prior to my
17 appointment and the results of the questionnaire, all
18 anonymous, were forwarded to me in Edinburgh for
19 reading. That was really quite telling from the
20 patients' perspective as to their observations of care
21 and how things had been. But in response to how to
22 improve things or with regards to their needs, they
23 really constructed the last ten years of my
24 professional service in going through that and aiming
25 to achieve it. I couldn't have done that without the

16

1 team and their motivation. It could be considered
2 that having been so low for so long, as the audit
3 would have suggested, that that would have continued,
4 but I met an exceptionally excited and motivated team
5 who I think, as the audit alludes to, were delighted
6 to have a new consultant centre director and colleague
7 to work with them and really to highlight the good
8 work that had been done by them and sometimes just to
9 acknowledge that.

10 The other bit with regards to
11 multi-professional team working was on a Monday
12 morning, as they had in Edinburgh at that time, was to
13 invite all members of the team in the laboratory, the
14 administrative staff and clinical scientists, medical,
15 nursing, on a Monday morning, together in our
16 multi-source room and we would discuss all the
17 patients that would come up that week so that we were
18 all made aware of the new patients and tests or the
19 reviews of patients or to highlight patients that had
20 perhaps phoned the out-of-hours over the weekend or
21 who were in-patients.

22 That led itself then on to a CPD session on
23 a Thursday morning for all of the team to come
24 together and to learn from each other, initially at
25 the start, mutual respect for actually what

17

1 hospital's blood bank for their convenience. So home
2 delivery was an important one.

3 A lot of them had reflected, based on the quite
4 recent second ride out with regards to variant CJD,
5 and a lot had shared their feelings on that subject
6 with regard to their upset and anger.

7 **Q.** We'll come back to that a little later on. We were
8 looking at the audit report and before we leave that
9 document, if we can look -- have it back up on the
10 screen, Soumik, at WITN3082025. Just looking on
11 page 25, and we can see, in the last two paragraphs,
12 in relation to staffing:

13 "Although the nurses describe the present
14 establishment as 'adequate', it is noted that there is
15 not a designated social worker or psychologist at this
16 Centre and this tends to increase demands on the
17 nursing team ..."

18 And:

19 "The lack of direction for the Centre as
20 a whole is reflected in lack of development of nursing
21 roles and in other roles within the multi-disciplinary
22 team. The model of care in the Centre has been mainly
23 'Medical' and with support, from the Centre Director
24 and Nurse Managers the Haemophilia Nurse Specialist
25 has the expertise ... to expand her role ..."

19

1 everybody's job was.

2 So, you know, there's a lot of planning during
3 my time in Edinburgh further to the successful
4 appointment and a lot of excitement and support for
5 the team that were there.

6 **Q.** You have spoken just now about the patient survey you
7 undertook before arriving. Can you tell us what the
8 key issues were that were raised with you by patients?

9 **A.** Yes. I think that for some of them engagement
10 long-term had been challenging. I think that with
11 regards to emergency management or complications or
12 challenges that they would have used the service and
13 been very happy with the service, but I think that
14 long-term goals, I think, weren't necessarily being
15 followed through. Some would have reflected what the
16 point of going to the clinic was because, from their
17 perspective, they knew their haemophilia, they knew
18 the treatment and we provided the factor, and perhaps
19 the lack of understanding of what long-term review
20 would be.

21 Home delivery was one. So up until, actually,
22 autumn last year Northern Ireland did not partake in
23 home delivery of clotting factor concentrate.
24 Patients would phone the haemophilia centre and their
25 factor would be provided to them through their local

18

1 Just in relation to the reference of the model
2 of care being mainly medical, what was meant by that,
3 what did you understand to be being addressed there?

4 **A.** Probably initially in reading it, it may be the
5 authors of the report may have a better understanding
6 of what they were meaning really by describing the
7 centre like that. From my perspective, I'm not
8 entirely sure what they may well have meant. I can
9 have some conjecture with the meaning of it.
10 I certainly think that, from my appointment, the
11 multidisciplinary team had been grown and has been
12 developed and the roles have been grown with that for
13 everybody involved to complement the needs of patients
14 but --

15 **Q.** One reading of it might be that the care is very
16 consultant centric with others providing support but
17 that the previous consultant or the senior doctor at
18 the centre really was the central point of how care
19 was provided. Would you that be something that the
20 staff would have recognised before your arrival in the
21 centre, that it was a very consultant-centric
22 approach?

23 **A.** Before my arrival there was no consultant.

24 **Q.** But historically?

25 **A.** Well, from Dr Anderson's retirement and leaving the

20

1 centre to my appointment over the four years with the
 2 services managed by an acting consultant, with regards
 3 to the oversight of it, I'm not sure what their
 4 medical input or reviewing of patients was going to
 5 be. So, with regards to senior medical, I don't know
 6 what that role would be.

7 **Q.** When you arrived, did the staff ever reflect with you
 8 of how the centre had been run historically, perhaps
 9 in Dr Mayne's time, of how the centre was structured
 10 and run?

11 **A.** Not particularly. I think that there were some
 12 reflections with regards the physiotherapy service,
 13 which had been provided at a time in the Royal
 14 Victoria Hospital through Lynne Crockard and a lot of
 15 the patients had remembered her very fondly with
 16 regards to that at the time of the Royal, but that
 17 hadn't transferred across to the City Hospital site.
 18 So I think with regards to allied healthcare
 19 professionals, I think that that's probably the only
 20 one that would, sort of, certainly stand out as part
 21 of their reflections.

22 **Q.** In terms of staffing, if we then go on to the 2009
 23 audit, it's WITN3082026. Again, we can see that the
 24 audit visit was actually in January 2010. That's at
 25 the bottom of the page.

21

1 to inform commissioning with regards to the use of
 2 factor and where it was going and what it was being
 3 used for.

4 I think with regards -- so I think a lot of the
 5 roles were being done and were being done as part of
 6 the medical and the nursing staff's role. Since that,
 7 as we are aware, data manager funding had been
 8 provided and had been recruited to a dedicated social
 9 worker, rather than just access to the haematology
 10 social worker, which was invaluable service whenever
 11 it was called on, that we have a dedicated social
 12 worker for haemophilia, both adults and children, and
 13 that post was agreed.

14 We did have funding and a post holder for the
 15 second coagulation consultant, as and when
 16 an interested person was able to declare that.
 17 Dr Chris McCauley came into post and after two and
 18 a half years he resigned and has moved on to another
 19 haematology service. His post has been readvertised
 20 and we had two applicants, both of a very high
 21 calibre, and that was supported by the Trust and the
 22 Specialty Commissioning Group to appoint both
 23 candidates.

24 So, over the next few months, the consultant
 25 workload in the Northern Ireland Haemophilia Centre

23

1 Then if we carry on to page 22, and towards the
 2 bottom of the page, paragraph 9.3, we can see the
 3 issues that were identified during the audit meeting.
 4 First of all, the need to give consideration to
 5 establishing a second consultant post. Then if we go
 6 over the page, Soumik -- thank you -- the first two
 7 bullet points address Dr McNulty and the banding, the
 8 grading, of Nurse McAfee. If we carry on further down
 9 there are two points:

10 "It is recommended that social work time is
 11 clearly dedicated to haemophilia rather than existing
 12 arrangements of cover ..."

13 The next bullet point addressing the need for
 14 a data manager.

15 Was that an accurate reflection of what the key
 16 needs of the service at that time were?

17 **A.** Yes, I think looking at the Haemophilia Alliance
 18 through the service specification, if we were to call
 19 it that, with regards to Haemophilia Comprehensive
 20 Care Centre, they are often volunteered as key members
 21 of staff. With regards to a factor allocation and
 22 tracking patients and the volume that they got and
 23 their follow-up, that was something that my secretary
 24 had done and I had continued that with regards to
 25 spreadsheets and that was used, really very helpfully,

22

1 for the first time ever will be three whole-time
 2 equivalent dedicated consultants. With regards to the
 3 out-of-hours cover that Dr Wilde was reflecting on in
 4 the audit a lot of that would have fallen to myself,
 5 that whilst my clinical colleagues who covered the
 6 leukaemia bone marrow transplant team would have also
 7 managed the in-patients for haemophilia, I was very
 8 happy and content to be second on call, but if there
 9 were any specific issues that ever arose and they
 10 wished to speak with me, that I was happy to do and
 11 they did.

12 **Q.** So, in terms of the staffing position now, you've
 13 noted the data manager, the social worker and two
 14 further consultants who will be joining soon. In
 15 terms of the nursing staff, what's the position with
 16 that now?

17 **A.** We have four nurses. So we have Sister Helen Manson,
 18 as senior clinical nurse specialist, Kirsty McMurray,
 19 we have Jackie, and we also have Christine. So we
 20 have four haemophilia nurse specialists working along
 21 with us. We have a dedicated haemophilia
 22 physiotherapist and we also have funding for a
 23 haemophilia physiotherapy assistant, as well as -- and
 24 we also have full-time haemophilia dedicated
 25 occupational therapist.

24

1 We got additional funding with regards to
2 a second clinical scientist, to work alongside the
3 then single post holder, and we are currently seeking
4 support in line with the new coagulation factors to
5 support our laboratory staff with an additional two
6 biomedical scientists to go in.

7 **Q.** In your statement, you say that you previously could
8 refer patients to the Psychology Department if there
9 was a need for increased therapeutic support but,
10 until recently, that wasn't a dedicated service; is
11 that right?

12 **A.** No, exactly. So as with regards to any patient in any
13 hospital there was open access with regards to the
14 Adult Psychology Service. So with regards to specific
15 trained counselling within psychology, that was there
16 and patients were referred on. The counselling also
17 took place informally by the medical nursing team,
18 with regards to talking to patients. We're not just
19 there to ask them about their bleeds and how much
20 factor they have taken since the last time they were
21 there, but really to reflect with them during the
22 period of time between their two hospital visits how
23 things were going for them, both in life and
24 relationships, and with regards to work, and it's one
25 of the bits of the post that I -- I use the word

25

1 advocated on several occasions with regards to that.
2 Part of the social worker appointment, again, was
3 being very minded towards psychosocial training that
4 they would have already had in place and that we were
5 able to avail of that background specialty training
6 that they already had too.

7 We now have an appointed whole-time equivalent
8 clinical psychologist for the service and the Trust
9 had gone out to make that a permanent post, rather
10 than just -- rather than a temporary one for the
11 duration of the Inquiry.

12 **Q.** Just before we look at that, can you help us with
13 this: between your arrival in 2008 and this dedicated
14 service that's been established more recently, I think
15 you just said that you had sought a more dedicated
16 psychology service, in addition to your social work
17 provisions; is that right?

18 **A.** Yes. At all times with regards to the outcome, when
19 it comes from any of the audits, they are shared with
20 the Trust and they are shared with specialty
21 commissioners with regards to outcomes and what can be
22 achieved and what may be realistic or how we can go.
23 So it's been very clear with regards to the need for
24 that. I think that, at the time, with regards to our
25 social worker appointment, we were very much minded of

27

1 "love", I think it may be a little bit strong, but
2 just sitting down and just having a chat with people
3 and just seeing how they're going and how can we help
4 them in any particular way, and because of those chats
5 then that's where the whole team has come out of
6 because from that then how can we best meet those
7 specific needs?

8 So I think counselling is not just as a role
9 for specially-trained people but I think it's just
10 giving people time and not being rushed at clinics.
11 So we lengthened hospital appointments with regards to
12 outpatients to make sure that it was more than that.
13 So part of that feedback of patients through that
14 original questionnaire that I have done was really
15 just that they weren't quite sure, you know, the
16 purpose of coming up, or anything like that.

17 So I think building that in has certainly
18 helped engaging with our population. The
19 do-not-attend rate at the clinic has been reduced by
20 altering the model and how we deliver our care.

21 **Q.** But, in terms of formal therapeutic intervention with
22 a trained psychologist, that wasn't embedded as part
23 of the multidisciplinary team until very recently?

24 **A.** Yes. So, with regards to just before the advent of
25 the Inquiry, whenever we were aware of it, I had

26

1 psychology support and I interviewed over three days
2 for our social worker, and one of the key components
3 of that was to ensure that there was, sort of,
4 a psychological background or psychosocial training
5 that they had and they had experience of.

6 **Q.** Do you know why a dedicated psychologist hasn't been
7 appointed previously?

8 **A.** No.

9 **Q.** You have just said that since the start of the Inquiry
10 that there has been a dedicated psychology service.
11 Can you tell us a little bit more about what that
12 service consists of, how many days a week or month
13 it's available?

14 **A.** I think it's quite variable. It can be something that
15 can be undertaken depending on what patients' specific
16 needs are. It has varied a little bit during Covid
17 with regards to availability at weekends, as opposed
18 to during the week, to reflect the working pattern of
19 our psychologist. Patient Access can do so directly,
20 either via the social worker or myself, and patients
21 are put in direct contact with the psychologist and
22 appointments are provided. They can be remote through
23 Microsoft Teams or Zoom, or initially prior to the
24 Covid pandemic they had been face-to-face.

25 With regards to the number of patients and the

28

1 frequency of sessions that have been provided, I'm not
2 privy to the discussions or anything else that goes
3 on, outwith being assured that an individual has kept
4 the appointment that we have referred them to and that
5 they are being followed up. So we do get informal
6 feedback from the patients themselves whenever they
7 attend for their haemophilia review and they do share
8 the fact that they are attending and how they are
9 finding that.

10 **Q.** Who can access the service? Is it only patients of
11 the centre or can those who are affected also access
12 the service?

13 **A.** It's designed as an open access with regards to
14 anybody who feels during -- as an infected or affected
15 individual. I think that in some circumstances it can
16 be difficult for us, depending on if there are any
17 other family members who are actually still under the
18 care of the service, in order to ensure that we are
19 100 per cent able to provide that. But at any time,
20 if a patient, or they volunteer their relative, is
21 struggling particularly then we are able to intervene
22 and to offer the service.

23 Posters are placed up in our waiting room, in
24 our Altnagelvin clinic, which is a satellite service
25 which we had started several years ago to meet the

29

1 psychologist has presented to the rest of the team
2 with regards to techniques or things to help to
3 support patients, rather than simply signposting how
4 can we deal with events or crises, as and when they
5 arise, and they are being discussed with us, so they
6 have been very helpful for those sorts of things but
7 anything that does get discussed remains there.

8 **Q.** Do you have any sense of how much uptake there's been
9 for the service?

10 **A.** I think with regards to the referrals that have gone
11 through, I think with 90/95 per cent of patients have
12 attended for at least one session. Our psychologist
13 would be able to give you the more accurate figures
14 with regard to those who have fully engaged. But
15 I would be able to confirm I do receive a letter back
16 to say that contact was made and that sessions and
17 goals had been set and are underway.

18 **Q.** If we can move on to the broader questions of
19 management within the centre, the centre is the
20 comprehensive care centre for the whole of Northern
21 Ireland?

22 **A.** For adults only.

23 **Q.** For adults. From your statement, it's clear that the
24 team will also provide advice to local hospitals where
25 that's required; is that right?

31

1 needs of our patients in the north west of Northern
2 Ireland. Again, the information is provided there and
3 a specific leaflet has been designed and drafted by
4 the psychologist and the Trust with regards to
5 signposting, not just to the Trust's service in case
6 patients feel that they don't wish to avail of that,
7 but also through the Red Cross and through the Inquiry
8 site itself.

9 **Q.** But if an affected person no longer has any contact
10 with the centre, for example if their relative has
11 sadly died, would they be able to access the
12 psychology service or is that not possible for them?

13 **A.** Yes. No, it's a fully open-access service. There's
14 no restriction at all. More than happy to take any
15 contact from anybody who has been touched at all by it
16 and there's no need that you just have to be a patient
17 in order to access.

18 **Q.** Are you ever told about what is discussed in those
19 psychology sessions or are the sessions very strictly
20 confidential?

21 **A.** Well, I think it's entirely confidential. I think
22 there's a professional code by which the team work
23 with. There's absolutely nothing that ever gets
24 discussed with me. We have had feedback through our
25 continual professional development meetings and our

30

1 **A.** That's correct, yes.

2 **Q.** Could you just clarify then whether all patients with
3 bleeding disorders are registered at the Belfast
4 centre or whether there is some element of being
5 registered at local hospitals as well, and how does
6 that work?

7 **A.** So all patients are registered at the Belfast centre.
8 So all patients from the age of 14 can transition from
9 the paediatric service. So any time, any age from 14
10 to 16, based on the definition of a child at our
11 paediatric service. So from that age they will come
12 across and they are all registered here within
13 Belfast. From our perspective, we do undertake
14 a satellite clinic in Altnagelvin Hospital in the
15 north west and we undertake that and have undertaken
16 it, on average, alternate monthly. However, based on
17 the current Covid pandemic, that's not been possible
18 but we have engaged with those patients remotely using
19 Microsoft Teams consultation but those patients remain
20 registered in Belfast --

21 *(Connection frozen)*

22 **SIR BRIAN LANGSTAFF:** We're stuck again, I'm afraid.

23 **MS FRASER BUTLIN:** We're stuck again.

24 **A.** -- myself will travel up there to see patients.

25 **SIR BRIAN LANGSTAFF:** We just lost you for a moment or

32

1 two. You were telling us of Altnagelvin and the
2 arrangements now happening. The last words we have
3 are:

4 "... those patients remotely using Microsoft
5 Teams consultation but those patients remain
6 registered in Belfast ..."

7 Then we had a freeze on the transmission.

8 **A.** Okay.

9 **SIR BRIAN LANGSTAFF:** So if you can pick us up from that
10 point.

11 **A.** So, during non-Covid time, whenever the clinic
12 happened our entire team travelled up together. So
13 myself, the nurse occupational therapist,
14 physiotherapist and social worker would attend to the
15 patients locally within their own hospital but they
16 were not registered there. So we would avail of the
17 services, take their blood, do our assessments, have
18 their medical records with us, and then they would
19 return back to Belfast.

20 **MS FRASER BUTLIN:** You have mentioned there the transition
21 from paediatric to adult care takes place from between
22 14 and 16 years old. Why is that? Why is it 14 to
23 16?

24 **A.** Again, there may be a lot of questions with regards to
25 Northern Ireland's ways that will have a lot of why

33

1 a little bit more unusual that they are being spoken
2 to rather than their parents, so they are usually
3 doing their best to try to get me to look at their Mum
4 or Dad in the room, rather than having a chat with
5 them.

6 So that would be an open thing with regards to
7 their birthdays. We don't have a set time of the year
8 where we would do that officially. In the past couple
9 of years, whenever Dr McCauley was working alongside
10 ourselves and team, we would have supported
11 Dr McCartney at that time whenever she was
12 a single-handed paediatric haematologist, and that was
13 certainly very rewarding from our perspective and our
14 team to be able to at least meet the children at
15 a younger stage so they can become familiar and the
16 parents become familiar. But as I've gone on through
17 the service, now almost 13 years as the consultant in
18 charge, it's the rewarding nature of seeing the mums
19 who are carriers and their sons who have been born
20 with haemophilia in the paediatric service and
21 watching them come across to ourselves.

22 **Q.** In terms of out-of-hours care, what was the position
23 when you first took up your post in 2008?

24 **A.** So the haematology out-of-hours service back in 2008
25 ran along the lines of two consultants on call. One

35

1 and I will perhaps struggle to explain it, but our
2 paediatric hospital and its Accident and Emergency
3 Department does not take children beyond their 13th
4 birthday. So in emergencies then those would be
5 transferred over to the adult Emergency Department.
6 So working along with the paediatric team, generally
7 we are content to transition from the age of 14. Most
8 will have come aged 15/16 and transfer across.

9 **Q.** Can you tell us a little bit about how you organise
10 the transition of care between the paediatric team and
11 your team.

12 **A.** So it's a very fluid sort of shared-care type basis.
13 It's sort of reflected more in the current West
14 Midlands quality review of the service, where
15 transition was specifically reviewed, and the team had
16 worked quite extensively on that. I think some of the
17 UK may use the system Ready Steady Go to try to
18 prepare the young man and also prepare parents.
19 Sometimes it can be as distressing to the parent
20 leaving the paediatric service as it is to the child.
21 So it's preparing them, setting their goals, what do
22 they want to see or achieve, and then to come across
23 and then to understand how services are slightly
24 different.

25 A lot of the young men and young women find it

34

1 consultant team where specialist interest with regards
2 to leukaemia, bone marrow transplantation, and that is
3 where I was slotted in with regards to haemophilia.
4 In essence, that team was really the historical Royal
5 Victoria Hospital haematology team. That was made up
6 with Professor McMullin and Frank Jones, both of whom
7 had had prior experience and knowledge in managing
8 haemophilia during their time as consultants at the
9 Royal Victoria Hospital before they came across.

10 The other haematology team then would be
11 classified as the lymphoma and myeloproliferative
12 team. So out-of-hours, if there were any issues with
13 regards to the haemophilia patients or patients under
14 my care, that would have been discussed with that team
15 on-call, with (*unclear*) and myself, and there was
16 a potential of the 1 in 3, 1 in 4, that I would have
17 been the consultant on-call for that weekend, we would
18 have started at 9.00 am on a Monday and finished at
19 9.00 am the following Monday.

20 If any of the nature of anything that came up
21 would have gone on to the consultant I would have
22 wished for me to have a specialist input then I would
23 have been phoned directly and happy to be so as second
24 on call.

25 **Q.** But in terms of how the patients accessed out-of-hours

36

1 care, how did that work?
 2 **A.** Sorry, apologies. That's too much. So from the
 3 patients after 5.00 there was a helpline number and
 4 the patients would phone the helpline in Belfast and
 5 that was staffed by a nurse specialist who would
 6 redirect the call and the message to the on-call
 7 haematology specialty registrar, who would have
 8 attended to the call and given advice and discussed it
 9 with the consultant. If patients required to be
 10 admitted or to be assessed that would have been
 11 targeted initially through the Belfast City Hospital
 12 Emergency Department, and that has been closed and
 13 it's now been redirected through the Royal Victoria
 14 Hospital Emergency Department.

15 That allowed us to have factor ordered and on
 16 standby in the Emergency Department and, where
 17 possible, the registrar would attend there.
 18 Alternatively, Altnagelvin Hospital, for those
 19 patients who are a little bit further away, equally we
 20 would have the discussion with the Emergency
 21 Department there. Emergency stock of clotting factor
 22 sits in Altnagelvin blood bank and, again, we can have
 23 that ordered and on standby and direct the emergency
 24 team with regards to the care and the throughput of
 25 patient whenever they arrive.

37

1 myself, the specialty doctor or the registrar. They
 2 will also be assessed and reviewed by our nursing team
 3 who will undertake their nursing needs assessment and
 4 routine blood check and screen.

5 Our physiotherapist is on site, our social
 6 worker is on site, as too is the occupational
 7 therapist, and should the patients need to be such,
 8 they can be addressed by any member of the allied
 9 healthcare professionals that we have available to
 10 them.

11 **Q.** How often will a patient come in for that review?

12 **A.** So with regards to the expectation of patients with
 13 severe haemophilia A or severe haemophilia B, the
 14 expectation is that they are invited on a six-monthly
 15 basis to attend the hospital for their review, and
 16 they get their joints scores done at least annually,
 17 with regards to their physiotherapy or their
 18 occupational therapy assessment.

19 Moderate haemophilia, a largely significant
 20 proportion of our patients with moderate haemophilia
 21 are on routine prophylaxis and as much we would view
 22 them as having the same review process of six-monthly.

23 Our patients with mild haemophilia we have
 24 trialled and undertaken and presented the use of
 25 a telephone virtual review service for those patients,

39

1 All helpline calls are discussed the next
 2 morning with the team and they are followed up
 3 appropriately, as too, on a Monday morning, do we
 4 follow up all of the out-of-hour contacts over the
 5 weekend.

6 **Q.** Is that the same system that's applied now?

7 **A.** Yes. The same system is applied now. The number of
 8 consultants with regards to on-call instead of two
 9 teams, it is just done as a single consultant on-call
 10 and I remain second on call for all of my colleagues,
 11 and we have a WhatsApp group, whereby it's an easier
 12 way to contact me as and when or should I be required
 13 out-of-hours throughout the weekend.

14 **Q.** In terms of routine management of patients at the
 15 centre, how's that organised? How often will you see
 16 patients?

17 **A.** So with regards to patients, we look after many
 18 bleeding disorders so if we look after and we discuss
 19 those with haemophilia A and haemophilia B first. So
 20 we do an all-day Friday clinic. It's generally
 21 concentrated to the first Friday of every month and
 22 this is largely done as a bit of a round robin, not
 23 quite speed dating but there are different stations
 24 that the patients will go around.

25 They will all be seen by a doctor, either

38

1 largely because they actually carried the largest "do
 2 not attend" rate at our outpatient service whenever
 3 I started. So what we have done was to engage with
 4 them and did a working day, provided a lunch and
 5 a discussion as to how we could improve things for
 6 them.

7 So initially it would have been a phone call,
 8 once a year, and then the following year they would
 9 have a face-to-face consultation. Again at the same
 10 Friday clinic, and again with the same access to all
 11 of the other services.

12 Our patients with von Willebrand's disease have
 13 a similar service set for the third Wednesday of the
 14 month, whereby the whole team as I previously
 15 described for haemophilia are there for those patients
 16 with von Willebrand's disease, and it would follow the
 17 same pattern.

18 Patients with type 3 von Willebrand's disease,
 19 which is the rarest but perhaps the one that bleeds
 20 the most significantly, within our adult population we
 21 have three patients. We would review them on
 22 a six-monthly basis. The vast majority of other
 23 patients with von Willebrand's disease we reviewed
 24 annually or, depending on their bleeding challenges
 25 they faced, up to six-monthly.

40

1 **Q.** In your statement you've also talked about family
2 support days that the centre has organised over the
3 years. Can you tell us a little bit about those?
4 **A.** Yes. So it started quite soon after I had started.
5 The Haemophilia Society itself within Northern Ireland
6 had not had a strong presence. So, with regards to
7 the haemophilia centre's role, I did feel that there
8 was a lot of feedback coming back from patients going,
9 "Oh" -- in their own particular way, going: What about
10 such and such, and I haven't seen them in a while and
11 what's going on? Some of that was addressed by doing
12 the specialty-specific clinics, so it was always nice
13 to see some of the men bumping into boys that they
14 would have sat beside in a paediatric ward many years
15 ago and to see them catch up.

16 So we had initially been approached by the
17 Roald Dahl Foundation for the first family day, which
18 was amazing, and that we had written out to all
19 patients, both adults as well as paediatric service,
20 and invited the patients up, and the Roald Dahl
21 Foundation had covered that day for us. And we had
22 run a small educational discussion that I had led in
23 one of the halls of the Folk and Transport Museum, for
24 the parents to come, and there were various other
25 activities, and there was a barbecue at the end of the

41

1 And if we turn to page 7, there's a table in
2 the middle of the page giving the number of patients
3 registered at the centre: 58 with severe
4 haemophilia A, 16 with moderate haemophilia A, 109
5 with mild. And then we see the figures for
6 haemophilia B: 5 people with severe haemophilia B, two
7 with moderate, 10 with mild, and then 100 with
8 von Willebrand's.

9 In your statement, Dr Benson, you have given
10 some slightly different figures. You've given
11 a figure of a total of 596 people with bleeding
12 disorders registered with the centre, which is rather
13 more than we see in the audit and --

14 **A.** So with our current data manager we have undertaken
15 a review with regards to changes in classifications,
16 particularly with regards to female carriers who are
17 themselves affected and whenever they have been
18 entered in and -- to double-check through data
19 cleansing. So there's a proportion of women who
20 have -- or carriers who have a level of between 20 to
21 40 per cent who, by current classification, would be
22 considered to have mild haemophilia. And equally then
23 we have had transitional changes with regards to
24 children in the interim between the two reports.

25 **Q.** So the figures you give in your statement, of

43

1 day for them.

2 It was very successful and, further to that,
3 then we had organised two further educational days, by
4 the centre staff themselves, one in the Ulster Museum,
5 at a dinosaur exhibition, and a very nice dinner that
6 night. And then more latterly, at the Titanic museum
7 in Belfast, we had organised another educational day
8 to facilitate the families to look at that new museum
9 in Belfast.

10 Since then, latterly there have not been that
11 many. Haemophilia NI itself has been founded by our
12 patient group and they have organised and we have
13 fully supported their own family days.

14 **Q.** If we can now just move on to look at some figures.
15 You have said in your statement that in 2008 there
16 were 292 patients with bleeding disorders registered
17 with the Belfast Centre. 41 of those were people with
18 haemophilia A and B and one was someone with
19 von Willebrand's; is that right?

20 **A.** The classification of the smaller numbers will reflect
21 the more severe bleeding phenotypes, so it's not all
22 haemophilia A being 41, that would be the severe
23 subtype.

24 **Q.** Soumik, could we turn up WITN3082028, which is the
25 audit that was undertaken in October 2019.

42

1 596 people registered with bleeding disorders,
2 registered with 64 people with severe haemophilia A or
3 B and three with type 3 von Willebrand's, which
4 figures do you think are more accurate?

5 **A.** Those figures will follow from the time that the audit
6 was done, and they were generated from the haemophilia
7 database at that time. So the figures that I have
8 given at the time of my statement trump the figures
9 that were from the audit.

10 **Q.** Thank you.

11 If we can move on now to the products that were
12 used and are used within the centre. When you started
13 at the centre you say in your statement that
14 since 2008 all patients with haemophilia A have been
15 on recombinant Factor VIII. Is that right?

16 **A.** That's correct, yes.

17 **Q.** All but one patient with haemophilia B has been on
18 recombinant Factor IX?

19 **A.** That's correct. That patient who had received
20 recombinant Factor IX had not felt personally that it
21 was achieving his bleed control that he had previously
22 experienced with regard to his plasma-derived
23 Factor IX, and as such he chose to return back to the
24 plasma-derived Factor IX.

25 **Q.** Those with von Willebrand's disease receive either

44

1 DDAVP or intermediate purity plasma-derived clotting
 2 factor?
 3 **A.** Yes, that was correct at the time of the statement.
 4 The current recombinant von Willebrand factor is now
 5 available within the UK market and we have that in
 6 stock now to be used within its licensing for
 7 on-demand.
 8 **Q.** In terms of current arrangements of obtaining the
 9 product, I understand from your statement that all
 10 products are tendered and procured through the
 11 national clotting factor tender process?
 12 **A.** That's correct.
 13 **Q.** What's your role, if any, within that process?
 14 **A.** The role has changed a little bit from whenever I have
 15 started to the way that the role is now. I think that
 16 at the start representation provided through
 17 Northern Ireland with regards to the tender process or
 18 the -- what was originally sort of volume-based
 19 purchasing of factor. So we were able to risk
 20 stratify -- or I was involved for Northern Ireland's
 21 behalf to risk stratify products by a weighting
 22 criteria in relation to evidence to support its
 23 particular use. So that was quite an intensive thing
 24 that was undertaken initially with regards to the
 25 procurement. And Scotland, Wales and England had

45

1 generation Factor VIII versus third generation
 2 Factor VIII. Also, more latterly, it gives us the
 3 discussion with regards to standard half life or
 4 enhanced half life as well as non-factor replacements.
 5 So the choice is certainly expanding and has been over
 6 the last number of years as to what patients may wish.
 7 I think one of the greater risks are always
 8 changing and whether or not the product itself is as
 9 effective as what they have been on, and certainly
 10 a lot of the discussions with patients have often come
 11 back to ask me, "But I'm okay on what I'm doing, I'm
 12 not bleeding", and going, "But you don't need to
 13 change, we're just offering that there are
 14 alternatives", but which may involve less venapuncture
 15 or less administration that they would have to go
 16 through.
 17 There's always a risk or theoretical risk with
 18 regards to inhibitor development, and we always try to
 19 make sure that at least that is updated. In more
 20 recent publications and reviews that risk has not been
 21 upheld with regards to it but it's always something
 22 that we have to bear in mind in changing.
 23 The one that most -- that men want to know
 24 about is what dose do the vials come in. So I think
 25 sometimes with regards to the choice of a particular

47

1 their own representatives involved in that.
 2 More latterly then it's being undertaken as
 3 a flat per unit cost that is being managed through the
 4 central medicines unit. As a Haemophilia Centre
 5 Director, I'm kept up-to-date with regards to the
 6 discussions and also with regards to the contract and
 7 the wording of it as to how -- just to make sure that
 8 it meets needs of patients.
 9 **Q.** When you are discussing with a patient the type of
 10 treatment you're going to give them, what information
 11 would you give them about the risks and benefits of
 12 the type of treatment?
 13 **A.** I think over the years there have certainly been
 14 occasions whereby a recombinant product X will have to
 15 change to recombinant product Y, particularly with
 16 regards to haemophilia. The largest switch occurred
 17 a number of years ago whenever a product withdrew from
 18 the UK market, and as such we had to have that
 19 discussion with the patients.
 20 I think what's always important is the
 21 reassurance that it's a recombinant product that we're
 22 changing from one to another and that we're not going
 23 back to plasma-derived. So being able to provide them
 24 with that reassurance, it always gives us an option to
 25 have the discussion with them with regards to second

46

1 product, they don't like having to disconnect two
 2 syringes to inject through their butterfly, so they do
 3 like having a product that comes all in one vial. So
 4 some products are offered through different
 5 concentrations that we base that with them.
 6 So with regards to it -- at any time of
 7 changing or any change in contract, all the patients
 8 had been written out to. More so with regards to the
 9 volume-based purchasing of factor, letting them know
 10 what the outcome of the tender had been, reminding
 11 them of the product that they were on and whether or
 12 not they needed to change. So even the men that we
 13 didn't feel would require to change and there was no
 14 need with regards to the tender to change, they were
 15 informed, but equally asked whether or not they
 16 actually did want to take the opportunity to alter
 17 their product.
 18 But we go through that on a daily basis with
 19 regards to the clinic. Whenever the men come up we
 20 review what they have been taking. We now have
 21 Haemtrack in place with regards to tracking what their
 22 usage with regards to their factor is, and then we can
 23 get a better feel of whether or not doses need to be
 24 changed or even the product or the frequency of
 25 injection can be changed.

48

1 **Q.** When you're dealing with -- or when you were dealing
 2 with plasma-derived clotting factor for
 3 von Willebrand's, what information did you give to
 4 patients about potential risks of pathogenic
 5 transmission?
 6 **A.** So we changed a number of years ago from one product
 7 to a second product, largely because an additional
 8 viral inactivation step was introduced into a product
 9 and then it changed its branded name. So from my
 10 perspective the patients had been managed for many
 11 years on product X and they were very well versed and
 12 familiar with that. I would, however, always view any
 13 patient I meet for the first time as a new patient,
 14 and it would have been my routine practice to explain
 15 to them with regards to the product that they would
 16 get that, at that time, von Willebrand factor is
 17 derived from blood donors, it is screened for known
 18 pathogens with regards to HIV and hepatitis, and that
 19 it is not sourced from UK blood plasma.
 20 They are also informed that -- with regards to
 21 the choice in the treatment of it, if it is the
 22 as-required, and therefore, we will have to balance
 23 with the patient with regards to any procedure or
 24 surgery that they are then going with and explain to
 25 them from -- what the proposed plan was going to be

1 **A.** Yes, with regards to product switching, it would be
 2 recorded in the notes and reflected in the GP letter,
 3 the information would be shared with the blood bank to
 4 ensure that if out-of-hours the patient were to
 5 present to ensure that they're consistent with regards
 6 to the brand of the product the patient would receive,
 7 and also we would update then the patient's
 8 registration card that they carry on themselves with
 9 regards to the new product details.
 10 **Q.** When you're seeing a patient today in clinic at one of
 11 those review appointments that you have spoken about,
 12 what tests are you doing on a regular basis?
 13 **A.** So I think the most routine thing is the history and
 14 seeing how they are. I think that's the only way that
 15 you can actually interpret a test is to know actually
 16 how the patient is on the day. Routinely, we will
 17 check a full blood count, checking the haemoglobin,
 18 the white cells and the platelet count. Often that
 19 can be quite telling, particularly with bleed
 20 frequency. Picking up iron deficiency is not an
 21 infrequent observation with regards to our patients.
 22 We would routinely do liver function tests and kidney
 23 function tests and we would also routinely check their
 24 Factor VIII level or their Factor IX level or their
 25 von Willebrand level and, for those patients who are

1 and following them. It would have been, and had been,
 2 the routine practice for those patients receiving any
 3 plasma-derived product with regards to vaccination for
 4 hepatitis B, and a lot of time would have been spent
 5 in checking a patient's response to that vaccine, and
 6 immunity, and explaining that to them while we were
 7 doing it, because of the risks.
 8 **Q.** Would you provide any written materials to patients
 9 after those sorts of conversations?
 10 **A.** It wouldn't have been routine practice. I would have
 11 to say, from my perspective, until more latterly,
 12 particularly regards to the enhanced half-life
 13 products. I think that whenever we're explaining
 14 a Factor VIII molecule, albeit recombinant, and then
 15 stating that extra proteins are being added on to that
 16 Factor VIII product, it's much more important for the
 17 patients to be able to understand what those proteins
 18 were, and a lot of the time we would have provided
 19 review articles or synopsis with regards to the
 20 advantages of using such products. But certainly the
 21 insert from the product itself is delivered to all the
 22 patients and that's able to detail any of that
 23 additional information.
 24 **Q.** Would those sorts of discussions also be recorded in
 25 patients' notes?

1 on routine prophylaxis, we would match that to the
 2 time that they last took their injection. So that
 3 gives us an approximate pharmacokinetic result of the
 4 patient. So if they said it was 24 hours ago, I would
 5 have a rough idea of what level I should find and if
 6 we find that, then we are reassured with that.
 7 For sub-specialty types of bloods, in the past
 8 for our patients who had had hepatitis C we would have
 9 routinely undertaken an alpha fetoprotein for those
 10 patients, regardless of their history with regards to
 11 their hepatitis C, and we would have undertaken that
 12 routinely.
 13 We can undertake from time to time iron
 14 profiles for our older gentlemen patients and if they
 15 were over 50, we would routinely undertake a
 16 prostate-specific antigen and over the years we have,
 17 on average, detected about one case of a palpable
 18 prostate cancer in a man with haemophilia annually.
 19 So they would tend to be our more common routine
 20 bloods, full blood count, renal function, kidney
 21 function and their factor level.
 22 **Q.** Can you describe for us the consent process that you'd
 23 undertake with a patient at a routine appointment for
 24 those tests?
 25 **A.** Yes. So probably the men would come in. My routine

1 practice would be to go through their history, see how
2 things have been going with them. We would pull up on
3 the computer screen bloods and blood results and to
4 discuss those with them and to complete the same test
5 that we would be doing today or additional ones,
6 depending on how they were feeling.

7 As I'd earlier said, on a Monday morning we
8 have a multidisciplinary meeting with our laboratory
9 staff, nursing staff and all of our other allied
10 healthcare professionals and, at that time, we go
11 through each individual patient who will be coming to
12 the clinic. We discuss and reflect on their needs in
13 the interim and also the bloods they would be getting
14 checked of that day.

15 So not only would I go through the test that we
16 are doing and explain why it is that we're doing and
17 to put them into the trend that we've seen from
18 previous tests, but our nursing team then whenever the
19 patient comes out, our nursing team then would go
20 through and reiterate the same tests and explain that
21 also to the patients as well.

22 **Q.** Have you ever had cause to test for a particular
23 virus, for example, a parvovirus or something similar?

24 **A.** Yes.

25 **Q.** If so, would you have a different consent process,

53

1 would repeat the similar conversation.

2 **Q.** Can I --

3 **A.** There's no documentation with regards to a signed
4 consent but with regards to the documentation of the
5 consultation, as well as the letter sent out to the
6 GP, there's open declaration with regards to the tests
7 that are done. Currently in Northern Ireland all of
8 our records are held in an electronic care records
9 system and that is open to any healthcare professional
10 that can go in, and there is a link with regards to
11 all blood tests that have been undertaken serially in
12 any individual patient using their healthcare number.

13 **Q.** Can I clarify one point there: are patients informed
14 that the test is going to be undertaken or is there
15 a discussion it can be undertaken and they're
16 consented for that, because your answer suggested that
17 they were simply informed?

18 **A.** Yes. So, no, you're quite right. So with regards to
19 the tests, they are discussed and that we would go
20 through them and if there are any issues or concerns
21 or anything from patients' perspective with regards to
22 what it is that we're testing them for, that they have
23 that opportunity to raise it or to discuss it further.

24 **Q.** I understand that the centre no longer stores blood
25 samples on a routine basis apart from in relation to

55

1 a more formal consent process, of something like that?

2 **A.** So my job as a consultant haematologist with a special
3 interest in coagulation, on a routine basis HIV
4 testing and hepatitis C testing is part of a standard
5 block of tests that are discussed with patients, for
6 example, who may present with a low platelet count.

7 Parvovirus would be not an uncommon test that
8 we would often undertake in our obstetric clinic with
9 regards to women who may be a little bit anaemic due
10 to the parvovirus complications.

11 So it's discussed openly. Again, it's been
12 already previously highlighted through our Monday MDT
13 with the nursing team. So patients are explained that
14 they'll come with a problem, we'll take their history
15 and we reflect on it and take their additional tests
16 and risk factors and discuss it with them, and then
17 they are informed with regards to the test we would be
18 doing and if that included an HIV or hepatitis screen,
19 the patients are informed of that and they are
20 informed that it would be deemed as a routine test for
21 then. As and when the results are back, patients can
22 be informed directly with regards to the results,
23 because often the discussion will cause anxiety.
24 Despite there being no risk, patients would be very
25 concerned with it and then the nursing team as well

54

1 the genetic testing?

2 **A.** Yes, that's correct.

3 **Q.** Have you had any discussions with patients about
4 previously stored samples and whether they were aware
5 of samples being stored historically?

6 **A.** So with regards to the terms of reference of the
7 Inquiry, and watching the last two days, I'm certainly
8 aware of those types of discussions that have been
9 highlighted and come to the fore. Those patients who
10 have submitted their statement have also reflected
11 with myself and the team over that period of time with
12 regards to their observations.

13 **Q.** What have patients been saying to you about their
14 knowledge of stored samples?

15 **A.** Well, as with regards to their statements, I suppose
16 that had been provided that some --

17 **Q.** Sorry, I'm not meaning the statements that the Inquiry
18 has received. I mean in conversations that you've had
19 with patients.

20 **A.** Okay. Well, most of those conversations in recent
21 times have been with those individuals who have
22 submitted their statements to the Inquiry. I think
23 with regards to stored samples they have reflected on
24 those, those who have requested their medical notes
25 today seem to be the ones who are discussing it more

56

1 with me and highlighting things with me and have
 2 contacted us in the recent times with regards to
 3 storage of their samples historically.
 4 **Q.** I understand from your statement that all the patients
 5 at Belfast had been tested both for HIV and
 6 hepatitis C. All the patients with haemophilia and
 7 von Willebrand's had been tested for HIV and
 8 hepatitis C by the time you arrived at the centre.
 9 **A.** Yes.
 10 **Q.** Do you recall any conversations with, for example,
 11 Dr McNulty or any of the other staff about that time
 12 and about how events had been managed in relation to
 13 the testing for HIV and hepatitis C?
 14 **A.** I think many of the patients had reflected with
 15 regards to the epidemic with hepatitis C --
 16 *(Connection frozen)*
 17 **MS FRASER BUTLIN:** We've lost Dr Benson again. Hopefully
 18 he will return.
 19 **A.** -- conversation.
 20 **MS FRASER BUTLIN:** Sorry, Dr Benson --
 21 **SIR BRIAN LANGSTAFF:** We lost you at the point where you
 22 were just talking about the epidemic of hepatitis C,
 23 they'd reflected on that, and then we froze.
 24 **A.** So the patients themselves have reflected on their
 25 lived experience having come through the epidemic and

57

1 **A.** That's correct, yes.
 2 **Q.** Do you know whether any of the other patients had
 3 moved away from Belfast or whether they'd all, sadly,
 4 passed away?
 5 **A.** *(Unclear)* all patients passed away by that time.
 6 **Q.** As far as you were aware, were all of those people who
 7 were HIV positive also co-infected with hepatitis C?
 8 **A.** I believe that the majority -- whenever the
 9 Skipton Fund had been updated to go back to the
 10 predeceased patients and to see if we could avail of
 11 extending out the financial scheme to them, I had made
 12 endeavours for at least one of those patients who had
 13 predeceased to find evidence of hepatitis C infection,
 14 but they were not able to, through extensive trawls,
 15 to be able to prove that, but of those that I am
 16 aware, yes, most are co-infected.
 17 **Q.** In terms of how HIV treatment is managed, can you tell
 18 us what the position was when you arrived at the
 19 centre?
 20 **A.** Absolutely, yes. The position at the time of my
 21 arrival continues to be exactly the same as it is
 22 today. Dr Say Quah, who is a specialist in HIV
 23 medicine, was appointed, and as part of his
 24 appointment the haemophilia patients were specified as
 25 part of his ongoing review and care. So Dr Quah will

59

1 the infection of hepatitis C and HIV. I think I've
 2 not had any discussions specifically with any of them
 3 with regards to the specific topic of consent or what
 4 they were informed or what they were told. I think
 5 their reflections, as with mine, have been more of
 6 a pastoral nature in understanding the effects on them
 7 rather than the event itself.
 8 **MS FRASER BUTLIN:** Sir, I'm about to move on to
 9 a different topic. I wonder if now is a good moment
 10 to take a break.
 11 **SIR BRIAN LANGSTAFF:** Yes, I think it probably is. We
 12 normally take a break, about half-an-hour, in the
 13 morning as you will have seen from the last couple of
 14 days. So let us take a break now and come back at
 15 11.50.
 16 **A.** Thank you.
 17 **(11.20 am)**
 18 **(A short break)**
 19 **(11.52 am)**
 20 **SIR BRIAN LANGSTAFF:** Yes.
 21 **MS FRASER BUTLIN:** Dr Benson, we heard yesterday that
 22 there were 16 patients of the Belfast centre who were
 23 infected with HIV, as well as a partner of a patient,
 24 and when you arrived you said in your statement there
 25 were just three patients at the centre with HIV.

58

1 come across the haemophilia service on a regular basis
 2 two to three times a year and the patients are seen
 3 there with him, and all prescribing of the medication
 4 is managed by him and his department.
 5 The haemophilia service will attend to the
 6 patients with regard to their routine bloods ahead of
 7 Dr Quah's clinic to ensure a smooth transition of the
 8 patients, that he has all that information available
 9 at the time.
 10 **Q.** How do you interact with him in ensuring that the
 11 treatment is holistic?
 12 **A.** Yes, I think that certainly from my perspective it's
 13 always important to be up-to-date with regards to the
 14 treatment, because I think sometimes there may be
 15 unexpected side effects or things that the patients
 16 themselves will often signpost themselves for the
 17 haemophilia service. So I'll see Dr Quah whenever he
 18 comes across to the clinic and we'll have a meeting or
 19 a refreshing -- or a refreshment with regards to how
 20 things have been for the patients beforehand, and then
 21 also a discussion afterwards. Notes are recorded in
 22 the patient's notes, so it is possible then for me to
 23 be able to go back at those at later stages as needed.
 24 **Q.** Is there a difference then between what's provided for
 25 those patients who are seen by Dr Quah in the

60

- 1 haemophilia clinic compared to what they would
2 otherwise have been provided with in terms of
3 multidisciplinary care in an infectious diseases
4 clinic or a GUM clinic?
- 5 **A.** So the only model, unfortunately, that I'm aware of is
6 the model at the haemophilia centre, which was the
7 same -- even whenever I was a registrar. I don't know
8 what the remit of the infectious diseases clinic would
9 be.
- 10 **Q.** And in relation to hepatitis C, can you recall what
11 the numbers of patients were who were infected with
12 hepatitis C at the centre when you arrived?
- 13 **A.** Yes, I think that historically -- I think it's a part
14 of my statement that we provided that there was
15 a record, about three pages long, that was found in
16 the filing cabinet, which we sort of had extended to
17 around 99 patients that we believed had hepatitis C
18 PCR positive. At the time, in 2008, there were
19 approximately between 20 and 25 patients who remained
20 hepatitis C PCR positive at that time, and as of today
21 the situation is there is one patient who remains
22 hepatitis C PCR that have been seen and assessed and
23 offered their therapy and they have currently taken
24 the decision to wait.
- 25 **Q.** And in relation to that list that you found when you

61

- 1 that time with regards to the patients, as well as, as
2 I met the patients themselves, to review their own
3 medical records and share with them their past
4 experience and those who were hepatitis C then
5 negative.
- 6 **Q.** Thank you, Soumik, that can come down.
7 You've obviously annotated that note we just
8 had up there with your own handwriting of people who
9 were then positive. Does that suggest you also
10 retested people?
- 11 **A.** No. So historically whenever I started and I went
12 through that list, then I knew of the subsequent
13 patients after having seen them or based on my own
14 direct conversation with them that they were positive.
15 In the last 13 years one patient with regards to
16 bleeding disorder hasn't tested as hepatitis C
17 positive. He was a young gentleman who chose Northern
18 Ireland as his new home, as he had travelled to us
19 from Europe, and he had previously known to be
20 hepatitis C positive.
- 21 **Q.** And when you first met the patients, on your arrival,
22 what do you understand that the patients had been told
23 about the risks of transmission to others? What was
24 your sense when you were talking to them of what they
25 knew?

63

- 1 arrived, if we have a look at it, WITN3082023.
2 It's obviously all been redacted. There's
3 nothing on this list which indicates when the testing
4 took place. Was there anything --
- 5 **A.** Yes, that's correct. That's my handwriting. So there
6 are patients there that the PCR was negative and
7 genotype negative. So at that time point it was
8 negative. My annotation beside that as positive is
9 that a subsequent test was positive.
- 10 **Q.** When you were trying to establish the situation with
11 your patients, did you find any other documentation
12 that gave you any indication of when testing took
13 place and any dating for it?
- 14 **A.** No. As I said, the exercise that I had to take part
15 in with regards to the review of the Skipton scheme
16 for the predeceased, the only other resource that
17 I was able to undertake was with the then head of the
18 virology department, Dr Peter Coyle, who I had asked
19 to do a search through the laboratory system to ensure
20 that if we searched under the source code using
21 Dr Mayne as well as the haemophilia centre code --
22 what records they may have of PCR testing, to try to
23 get a more complete picture to support families with
24 regards to their access to the enhanced scheme. But
25 this was the most contemporaneous record that I had at

62

- 1 **A.** It's probably a little bit mixed because probably
2 whenever I met them all for the first time it was for
3 me to express to them the understanding and to refresh
4 it and to update it. Clearly, as their new
5 consultant, I became responsible with regards to their
6 ongoing care. So I think with regards to -- most of
7 it would have been more refreshing, with regards to
8 the risk of blood transmission, the low risk with
9 regards to sexual transmission -- but it was
10 not a zero risk -- with regards to hepatitis C, and
11 that would have been my routine stance with regards to
12 the patients that I had seen at the start.
- 13 As to what they would have been informed
14 historically, I would not have any knowledge of.
- 15 **Q.** So you discussed the issues with patients afresh when
16 you first met them. When you did that, did you get
17 the sense that this was new to them or that this was
18 something they'd heard before?
- 19 **A.** On reflection, I can't -- it did not come across as
20 being anything alarming. It did not appear to cause
21 any undue distress to any of the patients whilst it
22 had been explained to them. Whether or not that was
23 because of how they had previously been consented or
24 their basic awareness or just how it was delivered to
25 them on that occasion.

64

1 Q. Now in terms of the provision of treatment for
2 patients with hepatitis, Dr Anderson in her statement
3 has indicated that a weekly joint hepatology and
4 haemophilia clinic was established from 28 June 2004
5 once Dr McDougall had completed specialist training in
6 hepatology. Was that what you found when you arrived
7 at the centre or had things changed?

8 A. That wasn't the picture at the centre whenever
9 I arrived in 2008. In a true sense, a combined clinic
10 will involve a hepatologist, a haemophilia doctor in
11 the same room with the patient. At the same time, at
12 the stage in 2008, the vast majority of patients who
13 were hepatitis C negative continued at the haemophilia
14 service. Those who were positive and had had previous
15 standard first line therapy in the form of pegylated
16 interferon and ribavirin and if they had not achieved
17 a sustained virological remission, or if they were on
18 a hepatoma surveillance programme or pending a liver
19 transplant, were all looked after at the Royal
20 Victoria hepatology service.

21 The cohort of patients that remained within the
22 Belfast centre, as had been the practice even as my
23 time as a registrar from 2003, treatment was delivered
24 on a -- it was -- I'd describe it as a share and care
25 basis, we used the same protocols and the paperwork

65

1 patients saying that they were well or a previous
2 attempt at treatment using standard interferon had
3 been provided to them and they had significant side
4 effects from it and at that time were not keen to take
5 treatment. But reflective of the practice from 2008
6 to 2015, that treatment was constantly refreshed and
7 reminded and updated to all patients at all occasions.

8 Q. I just want to unpick that timeline a little bit more
9 in detail. In relation to the initial period, around
10 when you arrived at the centre, if we could have
11 a look at the UKHCDO audit from 2009.
12 WITN3082026. And if we turn to page 11, we can
13 see about halfway down the page at paragraph starting
14 "Twenty patients" -- a little bit further down.

15 "Twenty patients are HCV infected
16 (3 co-infected). Half are managed by Dr McDougall at
17 the Royal Victoria Hospital whereas the others prefer
18 to be managed on the unit. Unit staff directly
19 co-ordinate HCV combination therapy for these patients
20 with the full support of Dr McDougall. If there are
21 any concerns regarding the patients managed by the
22 unit they are referred back to the Royal Victoria."

23 In that part of the audit it suggests that the
24 patients had a choice of whether they were managed by
25 Dr McDougall or whether they were managed on the unit.

67

1 that the hepatology service would have done, and
2 patients would have received their pegylated
3 interferon and ribavirin at subsequent follow-up and
4 blood tests through the haemophilia service with
5 regards to their first line treatment.

6 So I'd overseen the treatment from 2008 up to
7 approximately 2014/2015 of ten patients -- well, ten
8 courses of treatment involving pegylated interferon,
9 of which, as you're aware, one patient was treated
10 twice during that time-frame.

11 Subsequent to 2016/17, whenever the NICE
12 technology appraisals that come online with regards to
13 the newer treatment, the remaining patients who were
14 still hepatitis C PCR at the Belfast centre were
15 referred en masse, all together, and at that time
16 there were 13 patients, one of which had just started
17 his treatment, because it was known to hepatology.
18 There were a further two patients who had chose
19 Northern Ireland as their home and who were
20 hepatitis C positive, and that remained --
21 ten patients then referred over to hepatology
22 automatically.

23 Of those ten patients, or subsequent to it,
24 treatment was offered to patients and discussed openly
25 with them. What I did find at the time was a lot of

66

1 Is that right?

2 A. It's not so much a choice given to the patients other
3 than the choice that they themselves had made.
4 Largely some patients, and even to this day, feel that
5 the Royal Victoria Hospital has been responsible with
6 regards the infections that they acquired and had
7 found it very difficult to contemplate to be referred
8 back there, often citing that that's where it all
9 started.

10 Other patients have had perhaps negative
11 experience in the past with regards to a previous
12 hepatologist, which again many had reflected, as well
13 as I think that they felt more comfortable within the
14 City Hospital with the team that they already knew,
15 knowing that the standard treatment protocols were
16 there.

17 I think one of the main advantages with regards
18 to the haemophilia service was no delay of treatment.
19 So as and when patients were discussed and they were
20 keen and open to receiving their treatment,
21 information was provided to them and we can start then
22 within a day of them having made that decision.

23 Q. I think in your earlier answer you indicated that
24 there was a sort of clinical basis for who was dealt
25 with by Dr McDougall and who was dealt with within the

68

1 clinic?

2 **A.** Yes, so not a particular clinical basis. I think that

3 we looked at the actual populations themselves. That

4 was largely how the cohort of patients had

5 split themselves across. So those with previous

6 treatment who there were no other therapeutic option

7 available to them, the vast majority of them had

8 fallen into the Royal Victoria Hospital follow-up.

9 I think largely with regards to the follow-up or new

10 treatments coming out. So whilst the haemophilia

11 service had provided pegylated interferon and

12 ribavirin in that follow-up, the newer therapies and

13 new education and information would have been made

14 known through the hepatology service first, as well as

15 through the haemophilia national, international

16 meetings with regards to the newer treatments that

17 came out subsequent.

18 **Q.** We will come to the newer treatments in a moment.

19 I just want to stay in this period when we're dealing

20 with pegylated interferon.

21 I'm still not clear, Dr Benson, whether you are

22 saying the patients were given the option, whether the

23 information was provided to them and they chose

24 whether to be treated by Dr McDougall or by the

25 clinic, or whether you are saying actually that was

69

1 progress, and any concern with regards to any of the

2 blood tests that any of the patients had presented

3 with, or that the patients wished to have any further

4 discussions then we would have had that discussion

5 directly with Dr McDougall.

6 **Q.** In those early years, did you explore re-establishing

7 a joint clinic with a hepatologist?

8 **A.** I had felt that at the time that the service itself

9 had started off, as my understanding had been, as

10 a joint service and, for whatever reason, the full

11 history of which is not known to me, that the combined

12 clinic service had stopped or had felt to be that

13 an alternative way was better or sought and that's the

14 service that was there in 2008.

15 **Q.** But did you take any steps to consider or explore the

16 possibility of bringing that into the haemophilia

17 clinic as a joint clinic?

18 **A.** Yes, we had those discussions with regards to it,

19 I think with regard the communication and everything

20 else seemed to be working okay and there was no issues

21 with regards either from the patients or Dr McDougall

22 or the clinical or nursing staff with it. But we had

23 had those regular discussions that had never really

24 come out of it to say that it needed to be

25 re-established.

71

1 a discussion you had with Dr McDougall and you sort of

2 divvied up the patients yourself?

3 **A.** No, there was no discussion that I had had with

4 regards to dividing patients between which site that

5 they would require the treatment on it. So as and

6 when the patients would come up, because ultimately

7 all of the patients with regards to their bleeding

8 disorder were reviewed at the clinic, then the

9 treatment was discussed there. From my perspective,

10 at no point did I refer anybody across to Dr McDougall

11 and his team for the primary purpose of treatment with

12 pegylated interferon and ribavirin.

13 **Q.** In terms of the support of Dr McDougall for that

14 cohort of patients who were treated within the clinic,

15 what did that constitute? How did that work?

16 **A.** So we have very open communication channel even today

17 with regards to hepatology service. So with regards

18 to the patients the paperwork that had been provided,

19 worked on from the service, having taken over the

20 treatment so prior to my appointment, and how

21 pegylated interferon is prescribed and followed up and

22 discussed. So all patients are discussed and there's

23 a hepatitis C database that was maintained by the

24 hepatology service. We had regular meetings with

25 Dr McDougall with regards to patients and patient

70

1 **Q.** What information and advice were you able to provide

2 to patients about lifestyle factors, such as diet and

3 alcohol, in the management of their hepatitis C?

4 **A.** Yes, so it was a very clear challenge that we had had

5 from 2008 with regards to some of the men,

6 particularly with regards to alcohol. So in

7 discussions with Dr McDougall and sharing that along

8 with the patients we appreciated the fact with

9 pegylated interferon and ribavirin the success rate is

10 lower for hepatitis C eradication but also the side

11 effects are much more significant.

12 One of the other challenges that we had

13 previously alluded to was really a disengagement from

14 the general review protocol from the clinic, in

15 patients really coming and being reviewed and being

16 adequately followed up.

17 So, from our perspective, at each opportunity

18 that I had with regards to patients face-to-face was

19 to try to be open, discuss the availability with

20 regards to the treatment and highlight, really, the

21 long-term outcomes that maintaining hepatitis C

22 positivity was there. Many of the patients would have

23 noted it and taken it on board. They, as I said

24 previously, would have felt well and they wouldn't

25 have felt an advantage in the shorter term with

72

1 regards to taking their treatment. The discussion was
 2 open. It wasn't given as a coercion, I was always
 3 very minded to try to make sure that I didn't
 4 exacerbate the disengagement any further with regards
 5 to people then thinking that every time they come up
 6 to the clinic that all I was going to do was to try to
 7 ensure that they took their hepatitis C treatment, but
 8 certainly with regards to alcohol was an issue.

9 What we would have done would be to try to
 10 signpost patients with regards their alcohol intake
 11 and to see if there was anything extra that we could
 12 do to help to support them with that. Several of the
 13 men were very receptive to that, both seeking their
 14 own family support, and I remember several of them
 15 coming to the clinic with either their children or
 16 with their sisters, in order to help them through
 17 a period of abstinence, to allow them to be able to
 18 take their treatment.

19 It was clearly very difficult for many of them
 20 and the success rate was good, with regards the
 21 abstinence, but I think that, in the longer term, they
 22 really did struggle both to regard their mental health
 23 and with regard to their family relationships.

24 **Q.** In that regard, did you consider referring patients
 25 on, was there anyway you could refer patients on for

73

1 today. But, at that stage, definitely with regards to
 2 alcohol and the exacerbation of the hepatitis C virus,
 3 that cirrhosis was more of a significant and
 4 an accelerant challenge for them.

5 **Q.** You just said that you oversaw the treatment, the
 6 giving of ten courses of pegylated interferon and
 7 ribavirin, what information did you give patients
 8 about the side effects of that treatment before they
 9 started it?

10 **A.** So there were drug-specific leaflets that had been
 11 produced and provided and the patients were given
 12 those in relation to their ribavirin capsules and also
 13 their pegylated interferon. I think from firsthand
 14 knowledge there's a registrar going through the
 15 service and seeing the patients on the treatment, mood
 16 and it was a common challenge that the patients will
 17 face, and the advice with regards to a prophylactic
 18 antidepressant being advised. Generally, that was my
 19 preferred route for patients given the time-frame
 20 that's required for an antidepressant to get into the
 21 system before it starts to work, rather than reviewing
 22 them after two to four weeks and then finding that
 23 they are already being challenged with regards to
 24 their mood at that stage.

25 So I think that the side effects of mood change

75

1 additional support in that?

2 **A.** Absolutely, and it would be with regards to support
 3 either through primary care or through addiction
 4 counselling. At that time, I had undertaken some
 5 training or, sort of, course -- not a course but with
 6 regards to motivational interviewing. I think it's
 7 all well and good that I can see a challenger problem
 8 with the patient but if the patient can't see that
 9 problem themselves -- so I was trying to tackle it
 10 with going through a motivational and positive way for
 11 them. We do the same with regards to smoking and
 12 obesity but it was a particular challenge, as it is
 13 for the Northern Ireland population in general with
 14 regards to alcohol intake.

15 **Q.** When you were discussing the advice around diet, and
 16 particularly, as you say, alcohol, was it your sense,
 17 was it your impression, that this advice was new to
 18 the patients or something that they had been informed
 19 about before?

20 **A.** I think on most of the occasions it would certainly
 21 come across as something that they had been aware of.
 22 I think perhaps less so in diet. I think at that time
 23 in 2008 and moving forward with regard to obesity, it
 24 wasn't such a significant occurrence or issue that
 25 perhaps the centre will face with their patients

74

1 and mobility in mood, as well as a constant flu-like
 2 feeling, will generally tend to be the commoner ones.
 3 The other one, obviously looking after young men, was
 4 the impact of the ribavirin and teratogenicity with
 5 regards as to having children and, indeed, on one
 6 occasion of those patients who were treated at the
 7 time or treatment was selected at a time that his wife
 8 was pregnant for him to be able to take that
 9 treatment.

10 **Q.** In addition to prophylactic antidepressant medication,
 11 since you didn't have an embedded psychologist within
 12 the clinic, was there any scope for providing any more
 13 structured therapeutic intervention for those who were
 14 struggling with low mood or depression?

15 **A.** So we had access to the haematology social worker,
 16 with regards to support in that service as well as
 17 signposting through their own GP to see if there's
 18 anything more convenient or local to them.
 19 I generally found a lot of it was acknowledging the
 20 fact of the side effects that they had had upfront,
 21 acknowledging what they were going through and what
 22 they were facing, and the challenges and the struggles
 23 of it. I think certainly those men who had had
 24 previous history treatment with regard to standard
 25 interferon were much more receptive with regards to

76

1 the discussions about the antidepressant, being minded
2 of the side effects that they had previously suffered
3 from.

4 **Q.** Now, you have indicated that once the newer
5 non-interferon based therapies became available the
6 mode of treatment changed. I think you gave the date
7 as 2016; is that right?

8 **A.** I think with regards to the last course of the
9 pegylated interferon was 2014/2015. The discussions
10 then at that stage with the hepatology service were in
11 line with regards to the non-pegylated interferon
12 based treatment, in line with the NICE technology
13 appraisal. So, as you are aware, some of those were
14 less -- stipulated early on that you had to have
15 a previous course or trial of pegylated interferon and
16 ribavirin and be resistant to it before you became
17 eligible for the next line, or the second line.

18 So I was very much aware around about 2016/2017
19 that letters and -- well, further to the discussions
20 with the hepatology team and Dr McDougall, we had
21 a discussion, given the fact that the previous
22 provision of treatment through the haemophilia
23 service, whether or not that would be something that
24 would be considered. Neither of us felt that that
25 would have been appropriate, based on the level of

77

1 **A.** That's correct.

2 **Q.** Presumably, you are not involved in any way in any of
3 the assessment of patients for referral to King's?

4 **A.** I would be involved with regards to sharing of the
5 information of the bleeding disorder, the clotting
6 factor concentrate that the patient would have been
7 receiving and any past complications, such as
8 inhibitors, or something that the haematology service
9 at King's would require. So, as part of the referral,
10 there would be a haemophilia summary that I would
11 write and provide for those patients.

12 **Q.** In terms of patients who have developed cirrhosis,
13 you've indicated they are also managed under the
14 hepatology service. Do you know what ongoing
15 monitoring and care is provided through that service?

16 **A.** The hepatoma surveillance service is a six-monthly
17 ultrasound scan which is organised through the
18 hepatology service and on the day of the ultrasound
19 scan being performed, a serum alpha-fetoprotein is
20 also undertaken for those patients. They continue to
21 have their haemophilia and other bloods checked
22 routinely at our own out-patient clinic but the
23 hepatoma surveillance programme is the ultrasound scan
24 and that blood test.

25 **Q.** How do you co-ordinate between the haemophilia team in

79

1 knowledge with regards to the newer drugs and the
2 monitoring.

3 There had been enhancement to the hepatitis C
4 service with regard to the additional nurse specialist
5 that had been provided there. So, at that stage, with
6 regards to the newer treatments, then patients started
7 to receive them, with regards to those who had known
8 cirrhosis or challenges or derangement in their liver
9 function tests and then at which stage then the
10 patients that remained at the haemophilia service were
11 then referred all together.

12 **Q.** Are you aware of there having been any delay in
13 Northern Ireland in accessing those newer drugs,
14 compared to the rest of the UK?

15 **A.** None that I'm aware of, and I certainly think that
16 with the discussions with Dr McDougall at that stage
17 that the service itself had prescribed many of the
18 medications from the technology appraisals from NICE,
19 in advance of the NICE being published.

20 **Q.** Now, in terms of current care, you've indicated that
21 the hepatology service managed patients who have had
22 a liver transplant?

23 **A.** That's correct.

24 **Q.** But the transplants themselves, we've heard, take
25 place over in London?

78

1 and the hepatoma surveillance clinic?

2 **A.** So the hepatoma surveillance clinic is run on
3 an automatic, six-monthly basis and the hepatologists
4 will get those results and, if necessary, get
5 additional scan or review of the patient should the
6 ultrasound scan show any change or anything different
7 from previously. From the haemophilia service
8 perspective, the patients continue to be monitored at
9 their six-monthly or annual basis as they would do
10 normally for their underlying bleeding disorder.

11 **Q.** Are you aware of any patients, any of your patients,
12 who are under that hepatoma surveillance programme
13 raising concerns with you about their care? Have you
14 had any of those sorts of conversations where patients
15 have come back and said "we're concerned"?

16 **A.** About care with regards to their hepatology care or
17 with regards to their haemophilia care, sorry?

18 **Q.** Sorry, in relation to their hepatology care and
19 particularly in relation to access to FibroScans?

20 **A.** So FibroScan is something that, more recently, has
21 become the routine nature of the hepatology service
22 and is largely utilised for patients for the
23 hepatitis C treatment. As far as I'm made aware, it
24 helps to differentiate between 12 weeks or 24 weeks.
25 Patients have raised with me, those who have

80

1 undertaken their hepatitis C treatment and, as I say,
 2 there's only one patient who remains hepatitis C
 3 positive. Patients over the last year or two have
 4 contacted me in Access and queried whether or not they
 5 can get a FibroScan, we have discussed that with the
 6 hepatology service and, based on those requests, that
 7 has been facilitated.

8 From a hepatology perspective, it would not be
 9 a routine follow-up scan for patients at this stage.

10 **Q.** I just want to clarify as between two different groups
 11 of patients, firstly the patients who do have
 12 cirrhosis, do they have a routine FibroScan?

13 Sir, I'm afraid Dr Benson has frozen again
 14 hopefully in a couple of minutes he will return?

15 **SIR BRIAN LANGSTAFF:** We are back. Ask the question
 16 again.

17 **MS FRASER BUTLIN:** Thank you, sir, I just want to clarify
 18 between two different groups of patients, firstly the
 19 patients who do have cirrhosis, are you aware of
 20 whether they do have a routine FibroScan?

21 **A.** With the diagnosis of cirrhosis, a routine FibroScan
 22 has already confirmed the cirrhosis. So those
 23 patients who are on the hepatoma surveillance get
 24 a six-monthly ultrasound scan, as I am aware.

25 **Q.** In relation to the patients who are now PCR negative

81

1 test, and have done.

2 **Q.** In relation to the patients who have had treatment
 3 under the haemophilia clinic previously, so in the
 4 pegylated interferon ribavirin times, is there a group
 5 of patients who have never had a FibroScan because
 6 they were cared for under the haemophilia centre for
 7 their treatment and they are now PCR negative; is
 8 there a cohort of patients who have not had that
 9 access?

10 **A.** Yes, but it's not because they have been looked after
 11 by the haemophilia service to have their treatment,
 12 it's because historically they have had their
 13 treatment prior to the availability of a FibroScan,
 14 which has only been, I think, the last three to five
 15 years. So there have been -- over half of the
 16 patients had standard treatment 10/15 years ago.

17 **Q.** So, in terms of their ongoing monitoring, that's
 18 provided through liver function tests?

19 **A.** Yes, and full blood count to check the platelet count.

20 **Q.** The Inquiry's heard evidence that many people in that
 21 situation remain very anxious about the condition of
 22 their liver and a very real fear of the hepatitis
 23 returning. How do you address those concerns within
 24 the clinic?

25 **A.** I think for those patients, you're quite right, it is

83

1 and haven't developed cirrhosis, how is their
 2 condition managed and monitored?

3 **A.** Their condition's monitored with regards to their
 4 haemophilia routine bloods that we agree to check with
 5 them, and monitoring and follow through with regards
 6 to liver function tests.

7 **Q.** Is there --

8 **A.** As for the hepatology service, there would be no
 9 routine need for service in place with regards to
 10 FibroScanning patients who are not hepatitis C PCR
 11 negative.

12 **Q.** I think you said earlier though that if a patient
 13 raised particular concerns with you, that they were
 14 concerned and worried, that in some situations you
 15 have then arranged for them to have a FibroScan?

16 **A.** I haven't arranged, I've signposted them to the
 17 hepatology service and then they can have the
 18 indications and needs of that discussed with them and
 19 then to undergo the FibroScan with them.

20 **Q.** Do you know whether patients have been able to access
 21 that through the hepatology service?

22 **A.** Yes, there's been no issue with regards to any of the
 23 patients that have been referred at their own request
 24 through me to the hepatology team. They are very
 25 happy and willing and very capable of undertaking the

82

1 a real concern for them. I think from our perspective
 2 it's to go through the blood results that they have
 3 had and to show them where they have been with regards
 4 to the tests and the reassurance that those tests are
 5 within the normal range and there's no signal or no
 6 concern that is being highlighted from them.

7 **Q.** Going back to what we were discussing a moment ago, if
 8 they asked you for a FibroScan to check, you would
 9 refer them to hepatology?

10 **A.** Yes, if a FibroScan came up but, equally, if their
 11 level of alarm or concern is significant I wouldn't
 12 wait for a patient to ask me to access a FibroScan.
 13 We would be in a position to be able to refer on, and
 14 have the discussion with hepatology, with regard to
 15 their access to it and equally for them to provide the
 16 same reassurance that we are doing.

17 **Q.** Are you aware of any gatekeeping done by hepatology
 18 which would require particular liver function test
 19 results before giving a FibroScan or is there a sense
 20 of enabling patients to have a FibroScan in these
 21 circumstances, even if perhaps the liver function
 22 tests are not indicating there was a need?

23 **A.** There's absolutely no gatekeeping whatsoever. If we
 24 feel that there would be a great amount of positivity
 25 or reassurance provided to a patient or to their

84

1 family, the hepatology team are more than willing and
 2 able and have done and provided the scan, and some
 3 patients on multiple occasions for reassurance.

4 **Q.** The Inquiry's also heard evidence from a number of
 5 witnesses who, although they've been treated for
 6 hepatitis C and they are PCR negative, have continued
 7 to suffer from very considerable ongoing symptoms and
 8 difficulties. How is that managed within the centre?

9 **A.** So I think with the multi-professional team that we
 10 have it's to look at the specific symptoms. I am
 11 aware of, in a number of individuals, as you have also
 12 highlighted, symptoms such fatigue and ongoing joint
 13 pain and concentration. So the long-term, sort of,
 14 multi-systemic effects of hepatitis C and just bearing
 15 those in mind and taking them forward, so be that
 16 through support with regard to their joints, social
 17 work support with regards anything additional that
 18 they can be provided with, occupational therapy,
 19 counselling in relation to talking issues through, are
 20 all available with regards to patients.

21 **Q.** Now, I want to move on to vCJD. You said in your
 22 earlier evidence that vCJD notification was one of the
 23 issues that patients highlighted in the survey before
 24 you arrived in Belfast. Can you tell us a little more
 25 of what the themes of that were?

85

1 that it was coming.

2 **Q.** Then, in relation to your time at the centre, in 2009
 3 if we can look at the document GGCL0000222_001,
 4 please, Soumik. We can see that these are meeting
 5 minutes from March 2009 of the Scotland and Northern
 6 Ireland Haemophilia Directors Group, and if we go down
 7 to page 2, paragraph 4(d), under the heading "vCJD
 8 notification exercise", we can see that concerns were
 9 expressed about the notification process and, towards
 10 the end of that paragraph, "GB reported concerns",
 11 which I believe is you, Dr Benson?

12 **A.** That's correct.

13 **Q.** "GB reported concerns that he was informed by
 14 a patient and a WFH representative who knew of the new
 15 vCJD information before we as haemophilia directors
 16 did and that his colleagues in blood transfusion
 17 seemed to have known for 2 months prior."
 18 What can you tell us about this?

19 **A.** So I think not that long before this meeting took
 20 place, one of our patients who was very into the World
 21 Federation of Haemophilia had visited the centre and
 22 actually on that occasion had brought with him the
 23 then President of the World Federation of Haemophilia,
 24 Mark Skinner, to visit the centre and to have a look
 25 around, just for a general chat, and it came out as

87

1 **A.** Yes, absolutely. It's quite distressing. I know with
 2 regards to the letters, I think that for those -- some
 3 men kind of feeling what's next and that it really
 4 established an element of mistrust, I think, with
 5 regards to all that they had already come through, and
 6 then variant CJD being added to that, with regards to
 7 a risk. I think the challenge of not having a blood
 8 test for it was difficult for many to just be told
 9 that, you know, as a public health issue of a risk
 10 that you are being told that you are at risk and, for
 11 many, this felt really very difficult and a lot of,
 12 I think, general lack of understanding with regards to
 13 what the risk labelling actually meant to them and
 14 what could happen and what can't happen, and various
 15 delays and concerns with regards to them trying to
 16 access medical care, now with the label there with it.

17 I suppose some of them had been written to
 18 twice, as well, so some of them had clearly felt that
 19 this was reminding them of a reminder, or the letter
 20 was very difficult, and in some of their records there
 21 are handwritten letters from patients to the interim
 22 director at that stage of the second write out to try
 23 and (*unclear*) the patients, really very clearly
 24 spelling out their absolute anger with regards to the
 25 receipt of a letter that for many they weren't aware

86

1 part of that discussion with regards to an event or
 2 a patient who had a mild haemophilia, if I can
 3 recollect the subtype that he had well enough, and at
 4 post-mortem prions were found within the patient's
 5 spleen. So after he had left I thought it was a
 6 little bit unusual that they were made aware of that
 7 and I contacted our Blood Transfusion Service
 8 colleagues again just to try to gauge from their
 9 perspective what their understanding or if they had
 10 had any particular knowledge and, again, as reflected
 11 in the minutes, they also had had it. So it reflects
 12 the case and the letter in relation to the patient
 13 with haemophilia who had prions in his spleen but did
 14 not have variant CJD.

15 **Q.** Did that delayed knowledge for you cause particular
 16 difficulties?

17 **A.** I think sometimes it's just that slight issue with
 18 regards to a patient raising their concern or sharing
 19 it with you and then being a little bit, you know,
 20 unable to provide that additional support or that
 21 level of understanding or trying to put the issue into
 22 context, what they were discussing. So a patient with
 23 haemophilia with prion was not with variant CJD but
 24 that it was noted in a patient's spleen and, as such,
 25 it was quite a different situation from what was being

88

1 shared.

2 **Q.** In your statement, you say that the Trust established
3 a vCJD group to manage and identify patients at risk
4 ahead of surgical procedures. Can you tell us how the
5 group went about managing your patients who had been
6 identified as at risk, when they required something
7 like an endoscopy, what processes were put in place?

8 **A.** So the World Health Organisation had updated their
9 pre-surgical checklist and had placed in variant CJD
10 risk assessment ahead of procedures. So a group was
11 set up in the Trust, and I was invited to go along
12 with regards to probably having the largest cohort of
13 patients who were placed under public health risk with
14 regards to variant CJD, and to see from the Trust
15 perspective how they were working out a risk
16 assessment form in order to ensure that patients were
17 appropriately being screened and assessed ahead of
18 their surgical procedures.

19 **Q.** Now, it's understood that, in relation to the 2009
20 notification, that you took the decision not to issue
21 letters to patients?

22 **A.** The Trust took the decision not to issue letters. The
23 letters came in through the public health agency to
24 the medical director of Belfast Trust, at that stage,
25 and I had a meeting along with the team and the

89

1 within the Belfast Trust itself, where there is
2 a cohort of individuals who are very well experienced
3 with regards to what is required, but equally that
4 a delay in a procedure is not acceptable purely based
5 on a variant CJD risk.

6 So the patients will always go through their
7 own standard risk assessment and they will be asked
8 the questions from the nurse doing the assessment for
9 the procedure and it will also form part of our
10 discussion with the team. So, for example, patients
11 who would be getting joint replacement surgery, whilst
12 the patient themselves may notify the fact that they
13 are at variant CJD risk, that actually the surgery
14 itself does not present any challenge with regards to
15 the instrumentation being used.

16 **Q.** But in terms of your discussions with patients, how is
17 that dealt with?

18 **A.** In that we would recap with regards to any surgical
19 procedure that they would need to get done, that they
20 are aware we don't do the risk assessment ahead of any
21 procedure so that's done centrally with the
22 individuals doing the surgery or the biopsy or
23 whatever it is that's being done, but we would
24 intervene with regards to clarity for the patient,
25 that it's either an at-risk procedure or not, and also

91

1 medical director, and we reflected on the letter that
2 had been drafted and came in through the public health
3 agency and, ultimately, the letter highlighted the
4 fact that a patient with haemophilia had a prion
5 presence in his spleen biopsy or his spleen at the
6 time of post-mortem but had concluded to inform all
7 the patients that this did not change your risk based
8 on what you had previously been told.

9 So the medical director, along with ourselves,
10 agreed that the letter to go out, given the fact that
11 it did not change risk, was appropriate.

12 **Q.** Can you tell us anything about the discussions you
13 have had with patients around this time about vCJD,
14 either in relation to the 2009 notification, which the
15 Trust didn't send the letters out, or in relation to
16 how it's discussed when they have a surgical procedure
17 coming up?

18 **A.** Yes. So part of the original letters that went out
19 were also copied to GPs. So if a GP happens to refer
20 a patient in to another hospital for a procedure it
21 forms part of the medical history record from the GP
22 to ensure that it's highlighted to all individuals or
23 surgeons or endoscopists, who may be looking after the
24 patients. In general, we try to do our best to ensure
25 that we centralise any surgical procedures or biopsies

90

1 with regards to the person doing it so that they are
2 aware that instrumentation should be disposed of
3 afterwards or if in doubt quarantined in the likes of
4 an emergency procedure until we can clarify it the
5 next day.

6 **Q.** As you said earlier in your evidence, there are
7 a number of patients for whom the vCJD notification
8 has caused considerable anxiety and concern. Is there
9 any formal counselling or psychological support that's
10 been put in place to assist with that or is it simply
11 the question of the open access to the psychological
12 service?

13 **A.** Yes, so if I remember from yesterday's evidence as had
14 been presented, Dr Julia Anderson had touched on the
15 initial write out exercise with regard to variant CJD,
16 had highlighted the counselling that had been made
17 available and set aside at that time, and that at the
18 time of the first write out that actually no patient
19 had availed of what was made available at that time.

20 With regards the second write out, I was not
21 there at the time to be able to provide any assessment
22 as to what's there. But the system, as you have
23 highlighted, that the patient has any particular
24 concerns or anxieties or worries, then we are able to
25 signpost them appropriately, either within the team

92

1 themselves, if they are happy with that, for either
 2 myself or a member of the nursing team, or their
 3 social worker if there's any challenge or, indeed, as
 4 you are aware, more recently, on to the dedicated
 5 psychology team.

6 **Q.** Now before I move on to look at medical records, in
 7 your witness statement when you talk about patients
 8 seeking records recently, you have referred to the
 9 hospital trust having an inquiry team made up of
 10 senior management. Has it been any part of the
 11 inquiry team's work or remit to meet with those who
 12 were infected or affected, as a relative?

13 **A.** Yes, they have, and they have taken direction from the
 14 local patient support group or Haemophilia NI, and
 15 they have met the senior members of that team. The
 16 Inquiry team itself, with you, with your colleagues,
 17 have also met with the team. They have had a tour of
 18 where the notes are kept and recorded. They are aware
 19 of the methods of the search in trying to locate and
 20 to find all records and that that has been shared.
 21 But, yes, the medical records team and senior
 22 management have met with representatives of the
 23 infected and affected.

24 **Q.** Then I just want to deal with some of the questions
 25 around medical records.

93

1 on the Centre's relocation in September 2001. The
 2 records were kept in a locked room within the
 3 Haemophilia Centre in the Bridgewater Suite. Old
 4 records were kept, to the best of my recollection, at
 5 Musgrave Park Hospital Records Department and there
 6 were strict instructions that old records must never
 7 be discarded owing to the likelihood of patients
 8 wishing to review their case records in the years to
 9 come."

10 In terms of when you arrived at the centre,
 11 Dr Benson, where were records of current patients
 12 kept?

13 **A.** So the current active records with regards to patients
 14 as Dr Anderson has described are maintained within the
 15 admin room within the haemophilia centre. So they are
 16 filed from A to Z for all of the patients with all
 17 disorders that are looked after by the team.

18 At that time then, whenever volumes became
 19 needing to be refreshed, if notes were getting a bit
 20 busy, then old volumes were then placed within the
 21 filing system, haematology -- haematology secretary
 22 corridor with the other consultants on a separate run
 23 for the haemophilia patient notes. But active notes
 24 were maintained as described in the centre.

25 **Q.** And in terms of old records, were you aware of any

95

1 Soumik, could we have WITN4027001. This
 2 I Dr Anderson's statement to the Inquiry and there are
 3 two passages I want to look at with you, one of which
 4 we saw yesterday, but I will put it on the screen in
 5 case people weren't watching yesterday.

6 Paragraph 6.8.23, it's on page 16 of the
 7 statement. This is the passage that we looked at
 8 yesterday, sir, but I will put it on the screen just
 9 for completeness' sake.

10 "Medical records were handwritten and kept
 11 meticulously. There was excellent administrative and
 12 secretarial support, and it followed that the filing
 13 was good, with the medical records kept within
 14 dividers in the case notes, and any written results
 15 were filed in separate sections."

16 That's what Dr Anderson records as what she
 17 found when she arrived. And if we go on to page 127
 18 of her statement, paragraph 67.1, this deals --
 19 67.1(a), this deals with when the centre moved. She
 20 says:

21 "At the Belfast Centre, I moved all the patient
 22 archived records, and all relevant blood bank records
 23 from the Department of Haematology, Royal Victoria
 24 Hospital to the Haemophilia and Thrombosis Centre,
 25 Bridgewater Suite, Belfast City Hospital at the time

94

1 being held at the Musgrave Park Hospital records
 2 department?

3 **A.** I think with regards to the location of such records,
 4 they would not be anything that I would have been
 5 aware of, as to exactly where they would have been.
 6 I know historical records can sometimes be stored at
 7 Erskine House, which is where the old records may be,
 8 but there are many places, as I have learnt through
 9 the Inquiry and searching for notes and records, as to
 10 where patients' records may be stored.

11 **Q.** When you arrived and came to treat patients and looked
 12 at the notes, were you aware of any gaps in the
 13 records or information that you would expect to be in
 14 them, were you aware of any gaps in that?

15 **A.** No, there were no gaps that I had had whenever I was
 16 trying to find the relevant information regarding the
 17 patient who was sitting in front of me as I was
 18 familiarising myself with regards to their history.
 19 As Dr Anderson's highlighted, they were -- meticulous
 20 notekeeping with regards to the history of the care
 21 the patient had had. The vast majority of them had
 22 a very useful summary front sheet which highlighted
 23 previous doses and treatments or surgical challenges
 24 that they may have faced in the past.

25 **Q.** The Inquiry's aware that you have had quite

96

1 considerable involvement in trying to help patients
 2 obtain records. The Inquiry's heard evidence from
 3 some patients and relatives who have described
 4 difficulties in accessing records and some who have
 5 described your help in accessing records. Can you
 6 tell us your involvement in this. What have you been
 7 doing?

8 **A.** Yes. So the Trust have been tireless with regards to
 9 trying to locate records and to support patients as
 10 far as what they can be based on the records and the
 11 destruction of records, policies. The hospital itself
 12 has undergone many reviews with regards to health and
 13 social care trusts and boards and various different
 14 policies, and I know that Ms Richards highlighted many
 15 of those yesterday with Mrs Leonard's statement with
 16 regards to record-keeping.

17 For the vast majority at the start we had
 18 had -- any subject access requests that were to come
 19 in through me and be signed out immediately to go and
 20 to see what records could be found. But really it
 21 was, I think, largely a learning process with regards
 22 to finding the records. The vast majority of them
 23 were to be easily located in the first search of it,
 24 and then we -- became apparent that, you know, the
 25 searches were repeated, largely because of filing

1 that are available to be found have been found. And
 2 they are all stored separately, in a separate part of
 3 our hospital, and are not touched outwith patients
 4 requesting access to them.

5 **Q.** In relation to information on patients that have been
 6 fed back to the UKHCDO, you have said that in the
 7 records there was evidence of past consent to that.
 8 Can you tell us what you identified in the records and
 9 from what date?

10 **A.** So a lot of it will probably cross-reference with
 11 Dr Anderson's statement, with regards to the
 12 meticulousness with regards to how Dr Anderson had
 13 undertaken her work.

14 UKHCDO had performed a question and answer
 15 session with regards to the information on the
 16 database and had put that into a leaflet, so the
 17 record that I refer to as a historical leaflet filed
 18 in a poly pocket in the front of some of the notes
 19 with Dr Anderson's signature on it, with regard to the
 20 explanation for the patients at that time about data
 21 and what was being shared -- or what their data was
 22 being used for and being shared. And again, updated
 23 by myself with regards to the boys or girls during
 24 transition or transfer of care, to refresh their
 25 information. Often parents may have been informed

1 systems. So if I were to perhaps use my own name as
 2 an example, as being Gary Michael Benson, some
 3 patients had their records filed because they were
 4 called Michael, so it was filed under Michael Benson,
 5 but the birth certificate name was Gary. We also
 6 found issues that if Gary Benson was searched for and
 7 there was a space between Gary and Benson, that was
 8 a set of records but if there was no space between
 9 Gary and Benson and it was all one word, that was
 10 filed separately. So in repeating the exercise of
 11 trying to find patients either by their birth name or
 12 by their called name or whether there was a dash or
 13 a forward slash, the medical record team were really,
 14 quite frankly, amazing. And I think that's where some
 15 of the -- you know, the initial learning that we
 16 derived from the process was that sometimes the
 17 tendency on being dried out to go, "We have had a look
 18 and we can't find anything", and I think often, based
 19 on the wording used, that it should have been a bit
 20 clearer by going, you know, "On our first search we
 21 haven't found anything. We will repeat it again and
 22 we will look elsewhere and we will seek elsewhere",
 23 and I think with regards to the policies of
 24 destruction and everything that's already been
 25 provided with the vast majority of the medical records

1 during the childhood but, again, with regards to the
 2 custodian of data for the patients themselves, as
 3 to -- is to remind them of that too.

4 **Q.** Again, when you were undertaking that exercise of
 5 checking whether there had been -- whether there was
 6 evidence of past consent, did you face a situation
 7 where a particular bundle of medical records, a file,
 8 one file, was missing or you had some of the files of
 9 medical records from the past but not all of them?

10 **A.** So the trawl of the medical records as part of the
 11 Inquiry I did not on any occasion read or look into
 12 any of the information, as I didn't have any consent
 13 to do that. So as when the records were pulled and
 14 copied and provided to the patients, as and when they
 15 were found. The only information that I had with
 16 regards to historical use through records is again
 17 through the Skipton access and the review of that
 18 material. I was aware that there were several folders
 19 within a filing cabinet in my office, which dated back
 20 quite a considerable period of time and reflected on
 21 some of the patients, the vast majority of whom had
 22 been HIV positive. So the use of those files were
 23 used to support the families with regards to their
 24 access to the obtaining of Skipton. All the content
 25 in the filing cabinets at the outset of the Inquiry

1 were automatically copied and uploaded to Egress for
 2 the Inquiry's information.
 3 Subject to that, and the time afterwards, I was
 4 then asked, as part of the Trust, to go through and to
 5 find additional information, particularly for those
 6 families who may have accessed and requested letters
 7 or things pertaining to the individual. So I went
 8 through all of those documents, and anywhere where
 9 a patient's name was noted, that was written down and
 10 that was provided to those families also.
 11 **Q.** So, just to be clear, in relation to the UKHCDO
 12 consent, you didn't do any look-back exercise to check
 13 and you didn't identify any missing --
 14 **A.** In regard to the active notes that the patients have,
 15 they were filed in the poly pocket at the front.
 16 Sorry.
 17 **Q.** Just picking up on your answer there in relation to
 18 separate files that were in locked filing cabinets in
 19 your office, from what period do you think they
 20 probably dated from?
 21 **A.** With regards to the uploaded Egress, there are
 22 miscellaneous discharge letters and I think the
 23 earliest has been, if I were to pick a date, in the
 24 1960s. There could be a very early 1963 letter. So
 25 they are a mixed bag and hodgepodge of various things,

1 seeking to identify relatives who should be informed?
 2 **A.** Yes. I found the whole thing quite difficult,
 3 I think, with regards to largely the communication and
 4 the face-to-face meetings with families from whom we
 5 have no ongoing contact or communication because no
 6 other family member attends us. The group were
 7 largely identified, as you've highlighted, through the
 8 list of hepatitis C positive patients that was in the
 9 filing cabinet. So I was able to utilise that list
 10 and to see and cross-check with regards to death
 11 histories of those individuals before Skipton came
 12 into place, as well as contacting virology laboratory
 13 to see if they were able to provide a simple search
 14 with regards to hepatitis C PCR testing and what was
 15 positive and what was coded at that time to, I think,
 16 around the code with regards to Dr Mayne as well as
 17 Dr Jones and to see if there was any additional
 18 information that we had.

19 The first --

20 *(Connection lost)*

21 **SIR BRIAN LANGSTAFF:** We're stuck, I'm afraid.

22 **MS FRASER BUTLIN:** We're stuck.

23 **A.** -- and we had the information --

24 **SIR BRIAN LANGSTAFF:** Just pause, because we lost you.

25 We lost you at the point where you said:

1 some of which were put into files relevant to an
 2 individual patient and some were just -- I'm not quite
 3 sure why they were there.
 4 **Q.** You have mentioned the exercise in relation to the
 5 Skipton Fund that you undertook, and we're going to
 6 come back to that in just one moment, but before we do
 7 can you tell us what involvement you have had during
 8 your time at the centre in telling patients about the
 9 existence of the various trusts and schemes?
 10 **A.** So with regards to the vast majority of all the
 11 patients when I had started and the knowledge with
 12 regards to Caxton or with regards to the HIV groups
 13 and the Skipton, were already very well established.
 14 As I had already alluded to, the poly pocket at the
 15 front of the notes with the UKHCDO information
 16 leaflet, equally the part 1 or part 2 completed
 17 documentation with regards to the Skipton applications
 18 were also filed and maintained within the patient's
 19 records. So all patients who would have had
 20 availability at that time to access those schemes
 21 I understood that they had already done so.
 22 **Q.** And you've spoken a moment ago about the situation
 23 that arose when the Skipton Fund extended the
 24 provision to relatives of those who died before
 25 August 2003. Can you tell us how you went about

1 "... with regards to Dr Mayne as well as
 2 Dr Jones and to see if there was any additional
 3 information that we had."

4 And then there was a freeze.

5 **A.** Okay, sorry.

6 So that allowed me then to work out who may
 7 still be under active review or any other family
 8 members, and we discussed it at that time with the
 9 team. So the team at that time had been -- the
 10 established team that been there for some time and had
 11 also worked along with Dr Mayne and Dr Anderson during
 12 that time-frame, so their information was very helpful
 13 and supportive of it. So for those patients that we
 14 had active still on our list, should it be a grandson
 15 or a daughter, those patients were contacted in an
 16 appropriate way with regards to the change in the
 17 Skipton and to say that we believed or I believed that
 18 there was information that we would have that we would
 19 be able to help them and to support them in their
 20 application for their part 1.

21 The challenge, though, with regards to anything
 22 beyond the part 1, particularly for part 2
 23 application, is the paperwork in order to prove
 24 evidence. And the commonest way that this is only
 25 ever applicable or available is if it's noted actually

1 on the death certificate. Medical records for those
 2 patients were not always available, or were not
 3 available, unless there happened to be miscellaneous
 4 letters within the filing cabinet pertaining to those
 5 individuals. So we approached families and we
 6 encouraged them to come up. It was really very
 7 difficult. I think that -- I remember one occasion,
 8 a mother coming up in relation to her son, and I found
 9 the consultation challenging in talking to her about
 10 her son because he was only a few years older than
 11 what I was, and I just kind of felt that no matter
 12 what the compensation or whatever the money may have
 13 been, what this woman wanted was her son, and for me
 14 to come, 20 years after he had died, it was just
 15 not -- it was just not good. Sorry. She's never --
 16 she's never left me. Just ...

17 So as far as possible we went through it. It
 18 was a very difficult time for many families. I just
 19 felt, to sit there in front of these exceptionally
 20 dignified people, and for me to offer them a bit of
 21 paper to sign, and that I'd sign my bit, and that they
 22 would get a cheque, it was just awful.

23 So it was really a pivotal moment, I think, for
 24 me professionally. But they were so good. You know,
 25 I got a thank you letter or they thanked me afterwards

105

1 family who you haven't had contact with?
 2 **A.** Yes. I think even, you know, the detective work, that
 3 there was one mum that we got in contact with her
 4 because, rather randomly, her sister had been referred
 5 for another reason into the haemophilia centre, and
 6 then she was able to share about her nephew having
 7 been a patient and then that's how we found the mum
 8 and she came up.

9 **Q.** The Inquiry heard a lot of evidence when we were over
 10 in Northern Ireland of the stigma and the secrecy that
 11 was involved in patients having hepatitis C. Before
 12 you contacted family members, did you give any
 13 consideration to whether families had in fact ever
 14 been told about the patient's infection or whether
 15 that had been kept from them. And if so, how did you
 16 deal with that?

17 **A.** Yeah, I think that the vast majority were aware.
 18 I think that how families shared that outwardly, as
 19 you have highlighted and as was testimony -- a lot of
 20 our patients' stories two years ago, whenever you
 21 visited us -- is how families shared it. Families
 22 were aware within themselves and within their own
 23 home but on occasions they were less so with their
 24 extended family member.

25 At the time of trying to identify the vast

107

1 for absolutely nothing, absolutely nothing.

2 Just ... a total waste. Sorry.

3 **MS FRASER BUTLIN:** No, take your time.

4 **SIR BRIAN LANGSTAFF:** Take a moment. There is absolutely
 5 nothing to apologise for. Just take a moment.

6 **A.** Okay. So the information, then, that was used, and we
 7 tried to encourage as many. I think that over the
 8 years, even I think up to about two years ago,
 9 I think, I came in contact with another family, and we
 10 were able to have that information for them. So there
 11 have been I still think -- from my understanding,
 12 still at least one other individual family from my
 13 perspective I'd be very keen to meet and to support
 14 them in relation to that exercise. But that's been
 15 something that perhaps -- the grandson has just
 16 transitioned across to us and then suddenly the
 17 discussion with the mum and then discovering her
 18 maiden name and then going, "Oh, you know, I have
 19 this -- somebody's name on my list, do you know this
 20 man?" And then it turns out to have been her father.

21 So, yes. Sorry.

22 **MS FRASER BUTLIN:** You have answered my next question,
 23 Dr Benson, of whether you felt you'd managed to
 24 identify the families of all of those who had died,
 25 but clearly you still think there is at least one more

106

1 majority of patients, I also had my colleagues in the
 2 centre who were there at the time with regards to the
 3 death of the individuals and those men and women, so
 4 they were able to highlight that also to me with
 5 regards to what was known.

6 **Q.** I want to move on, Dr Benson, to pharmaceutical
 7 companies. You've told us in your statement that
 8 pharmaceutical companies provide centre staff with
 9 updates on their products but have no influence
 10 locally over decisions given the central tendering.
 11 Has the centre received any funding from
 12 pharmaceutical companies in your time there?

13 **A.** Funding has been made available through several of the
 14 family days. So Roald Dahl Foundation, as I have
 15 highlighted for the initial one, had sponsored that
 16 and, with regards to the second day, each of the
 17 Factor VIII companies had provided a nominal sum of
 18 money of £500 towards the support of it -- of that
 19 day. The vast majority of the remainder of the day
 20 was paid through the haemophilia centre fund itself.

21 **Q.** Have clinicians received funding for conferences or
 22 travel or anything like that?

23 **A.** I think with regards to support for educational
 24 meetings they have been made available and they would
 25 be things that from time to time that may be suitable.

108

1 As the single-handed clinician I don't always have
2 such availability of time as regards to them but, yes,
3 as part of an educational service, we have been.

4 **Q.** What do you do personally or what do you do at the
5 centre to guard against any risk that companies
6 contributing to the centre's work, that they don't
7 influence the decisions you make about prescribing
8 products?

9 **A.** Part of my additional role is on the drugs and
10 therapeutics committee of the Trust and, as part of
11 that, there's a declaration of conflict of interests
12 as too there is also for UKHCDO, also for taking part
13 in the CMU accreditation with regards to the tender
14 process, so that there would be a standard way that we
15 would do that. The trust itself has its own policy
16 with regards to accepting gifts both from patients and
17 relatives but also from external bodies and the trust
18 has a policy with regards to pharmaceutical companies
19 and their visitation on site and their interaction
20 with us as healthcare professionals.

21 **Q.** You have noted in your statement that you have
22 participated in research that was sponsored by
23 pharmaceutical companies in relation to new product
24 development. What was the nature of those new
25 products? Was it related to blood products?

109

1 themselves, but the vast majority are -- well, on the
2 one occasion that has been, that would be to a London
3 centre that the direction was made.

4 **Q.** You've discussed your perspective of the impact on
5 patients and families of the infections with HIV
6 and/or hepatitis through blood products. Can you tell
7 us what you have observed in your interactions with
8 these patients and their relatives of what the impact
9 has been on them?

10 **A.** I think that if I go to 2008, whenever I started and
11 having met them all and seeing them now within the
12 lens of the Inquiry, I think that the Inquiry itself
13 has given them that opportunity, I think, to go back
14 to when the discussions had happened and almost to
15 relive those years, but as an older version of
16 themselves looking back at the younger version.
17 I think for many years -- I think my statement will
18 allude to the wife of a patient whose really has
19 summed it up quite significantly, I think for me, and
20 it sort of resonates over a long period of time, in
21 that their life has been like a snow globe, you know,
22 the snow has laid thick and it doesn't move and
23 everything is all very controlled, and that's the way
24 that they have just left it.

25 So in 2008 there would have been open

111

1 **A.** No. So it's a current global trial that's being
2 investigated and it's at -- we were involved at the
3 phase 2 stage, now it's phase 3, of a non-factor
4 replacement product, so rather than Factor VIII. So
5 we have correlated with four patients who are
6 recruited to that trial, two of whom have received the
7 trial product, which is administered as an injection
8 underneath the skin.

9 **Q.** Just a couple of final matters. The Inquiry's aware
10 that there may be some patients who feel they have
11 lost trust in their haemophilia centre and in other
12 parts of the UK they may have changed centre. Given
13 the geographical context of Belfast what arrangements
14 would be made for any such patients?

15 **A.** So, with regards to patients transitioning out or
16 moving, I suppose there's a routine situation for our
17 students and student sharing. If an individual
18 patient is not content with regards to the service
19 that is being provided then extra contractual
20 referrals are a routine Health Board provision, that
21 patients can be referred to another provider, mostly
22 within the United Kingdom for ongoing provision of
23 care.

24 **Q.** So in a Belfast context where would that be to?

25 **A.** It can be left open with regards to the family

110

1 discussions with regards to, as I am with you now,
2 with the patients and then to see where they're at,
3 but I think that now, on retrospective and looking
4 back and with the appropriate attention that's now
5 being given to what has happened in Northern Ireland,
6 that the globe has been shook and then all of a sudden
7 the snow itself is whirling away, so any control or
8 any reminding oneself to suppress a feeling or to
9 suppress a thought has gone, and it's very distressing
10 and they feel that control is lost and it's difficult.

11 **Q.** You have also said this has had a profound effect on
12 your professional practice. Again, can you expand on
13 that forus?

14 **A.** Yes. I think that as a consultant whenever you
15 inherit your entire patient cohort you're very much
16 reflective of the fact that inheriting this cohort
17 they didn't start with you, and there are many
18 challenges that have arisen for those patients and, as
19 we'd said at the outset, between mistrust and
20 disengagement and to try to bring them back on board
21 I reflected on many occasions whether or not there's
22 something that I have done or that I have contributed
23 in some way to anybody's care that has not gone as
24 I would have expected it to, in what way can we
25 improve the care or make it better for individuals.

112

1 But I just think -- I mean, as my testimony
2 with the Skipton look-back, I think as a consultant
3 I often reflect on being a cul-de-sac and I think
4 a lot of challenges and problems and the weights of
5 people will come to me. And some of it is very
6 difficult to share and I think that the need to fix is
7 always so high as a doctor and there's quite a bit of
8 this that I cannot fix; I can make better but I can't
9 rub out what has gone before.

10 I remember everybody. I may not have met them
11 all. Some of my older men who aren't with us now who
12 have told me as a junior doctor and told me stories of
13 all of these amazing people and that they watched them
14 die and what they died of. But I think my older men
15 were very clever because they knew they were going to
16 forget and in some way telling me -- you know, these
17 men I say their names with pride. I am so proud of
18 them. They did nothing, nothing, to warrant what
19 happened. And yet, you know, families have been so
20 affected. They have lived many years of not telling
21 anybody what happened to them as if it's a little
22 secret that they can't get out, and that's eaten away
23 at people to think that they can't share what
24 happened. It wasn't their fault that they got HIV.
25 They didn't deserve to get HIV. They didn't deserve

113

1 **SIR BRIAN LANGSTAFF:** Let's say half-an-hour. Would that
2 be long enough, do you think?

3 **MS FRASER BUTLIN:** I expect so, sir.

4 **SIR BRIAN LANGSTAFF:** Does that give you enough time to
5 have a proper break?

6 **A.** Yes, thank you.

7 **SIR BRIAN LANGSTAFF:** Okay, half an hour and we will come
8 back -- we'll make it 1.40.

9 (1.08 pm)

(A short break)

11 (1.46 pm)

12 **SIR BRIAN LANGSTAFF:** I'm sorry, Dr Benson, for a moment
13 I thought we had lost you.

14 **MS FRASER BUTLIN:** Sir, I just have one question that has
15 been passed on to me to ask.

16 Dr Benson, given your particular experiences
17 and the particular perspective you have shared today,
18 are there any suggestions you have of recommendations
19 that the Inquiry should consider?

20 **A.** Good question. I think that it's certainly something
21 that we've been involved with both within the centre
22 and have reflected that back to decision-makers
23 locally. I think the one thing that -- having met
24 with all families -- well, most families -- and having
25 been touched by their lived experience with regards to

115

1 to die of AIDS. But they did.

2 And I stand on the history of the service and
3 remember them and every time you inject recombinant
4 factor, you remember why you inject it. You remember
5 why such lengths were gone through in order to get it.
6 You can't unforget and I'm glad that I can't forget.
7 Every time there's an empty seat in the waiting room
8 I think that could have been him and I could have had
9 an opportunity to look after but I didn't.

10 So, yes, I think my career has changed from
11 what little green consultant in 2008 thought I could
12 save the world and, you know, all I can ever do is try
13 to improve on what has gone before. That's how I've
14 always strived.

15 **MS FRASER BUTLIN:** I have no further questions, Dr Benson.

16 We do need to take a short break so that the
17 recognised legal representatives of Core Participants
18 can tell us if they have any further questions.

19 Sir, I imagine you may have some questions as
20 well.

21 **SIR BRIAN LANGSTAFF:** I just have two or three but I will
22 wait, obviously, until you have garnered whatever
23 questions there may be and any questions, of course,
24 from those who represent Mr Benson too.

25 **MS FRASER BUTLIN:** Indeed.

114

1 the infections, I think that it's not just wives or
2 spouses that have been particularly affected. I have
3 met many parents who have lived life with regards to
4 their sons not being with them anymore and having died
5 from infection. And I think sometimes whenever we
6 look at those lives affected, I do think that
7 additional consideration should be given towards
8 parents. You know, they have lived with the fact that
9 whenever their sons were much younger, was it that one
10 infection -- was that one injection that they had
11 given to their son, was it that one injection that
12 they had said, "Look, come on, you are meant to take
13 this, go on", and encouraged them to take it?

14 So I think parents are -- many are not with us
15 anymore, but I do think that their particular
16 highlight -- have been highlighted to me, and I would
17 agree.

18 The other group then are really the lost
19 experience of the children for these men. I get to
20 meet these young women and young men with regards to
21 their own children that will come into the centre with
22 their bleeding disorder, and I can see lives,
23 opportunities that have been lost over the years of
24 not having a second parent in order to provide that
25 support or that emotional support to them. You know,

116

1 school holidays that can't be afforded, houses that
2 have to be changed, but more so with regards to the
3 parents and the children and the inability of being
4 able to explain to their friends of what actually
5 their fathers had died of and retaining that
6 information.

7 So I think for me with the Inquiry, all the
8 advances and changes in the recent weeks with regards
9 to spouses and widows is exceptional and very welcome
10 as a start, but I do feel and I do see the impact on
11 parents as well as children.

12 **MS FRASER BUTLIN:** Sir, we've not --

13 **SIR BRIAN LANGSTAFF:** Sorry, is that the --

14 **MS FRASER BUTLIN:** That was the last matter from the
15 recognised legal representatives. We haven't had
16 anything directly from Dr Benson's representative.
17 I'm not sure if they have anything they wish to raise.

18 **Questions by SIR BRIAN LANGSTAFF**

19 **SIR BRIAN LANGSTAFF:** I hope they are not subject to the
20 same IT problems that we have been subject to.

21 When you said at an early stage in your
22 evidence this morning that it was really quite
23 telling -- this is in respect of the questionnaire --
24 really quite telling from the patients' perspective of
25 how care had been, what did you see reflected to you

117

1 But do you think it might be that he was
2 thinking about the medical approach, i.e. treating the
3 disease or the condition as opposed to taking an
4 holistic approach, looking at the whole person in
5 their social environment, their familial environment,
6 their work environment as well as the hospital
7 treatment, and finding out what their wants, their
8 desires, their needs were, their values?
9 **A.** Yes, it certainly would be one of the takes, I think,
10 on it and certainly the cornerstone with regards my
11 own personal practice in looking after the patients
12 from the outset. It's not just -- you know, I think
13 that my (*unclear*) will teach medical students as they
14 come in contact with any patient is that they are
15 a person, first of all, and don't classify somebody
16 based on a disorder that they have. I think sometimes
17 people or patients with bleeding disorders, you know,
18 very often "Have you had a bleed, have you taken your
19 treatment?" and we really look at the disorder itself.
20 I think stepping back and asking to talk to him or her
21 about how their day has been and how their week has
22 been and to understand how they live with their
23 disorder, I think is much more telling and I think
24 then that the support that they can get can be much
25 more specific and they can actually see the support.

119

1 as to how care had been?

2 **A.** Yes, I think with regards to -- I suppose it's the
3 long-term projection. So if somebody comes in with
4 a bleed and that bleed is effectively managed and the
5 patients are supported through it, but I think the
6 direction of -- you know, I often reflect with the
7 patients that today's decision is tomorrow's revision.
8 So what I decide with them today is something that
9 maybe 5/10 years' time I'm going to have to revise
10 with them. So whilst we might solve the problem today
11 by replacing a knee or a hip or an elbow, you know, we
12 have to remember in ten years' time we're going to
13 have to go back in again and to do it.

14 So I think that the fact that there's a plan
15 and there's a direction and there's something to
16 support them as they go through it, that there's
17 a point strung between hospital appointments, is what
18 I have taken from it.

19 **SIR BRIAN LANGSTAFF:** Thank you.

20 You were asked about the medical model of care,
21 the expression used in the audit, and as to what you
22 might understand by that. You couldn't really fathom
23 what was quite in the mind of the author. Indeed, you
24 are absolutely right, I think, that we have to go to
25 the author to know precisely.

118

1 **SIR BRIAN LANGSTAFF:** You described how at the age of 13
2 to 14, youngsters -- you might call them very young
3 adolescents or perhaps you might reserve the
4 "adolescent" word for those above 13 -- they would
5 transfer to the adult hospital. Now, while children,
6 they might have the benefit of paediatric psychiatry,
7 psychology support, while adults, they may have the
8 adult version, what is there to cover the adolescent
9 psychiatry which we've heard from others has been so
10 important?

11 **A.** So whilst it's from that age it doesn't mean that
12 there's a very clear cut-off from that provided(?)
13 that they do come across. They do try to have
14 an element of both physical and emotional maturity,
15 I think, with regards to them arriving within an
16 adult-based service. Our social worker works very
17 closely with them and with families and we're aware of
18 the teenagers or CAMHS-type psychology approach, which
19 is largely delivered through the community for those
20 patients or young men who may have that type of a, you
21 know, need for an emotional support-type mechanism.
22 So within Northern Ireland there is that teenager
23 bespoke type of a service and also extends into the
24 family as well. So for those with regards to access
25 to it, it's not that they leave the paediatric service

120

1 and suddenly go into a chasm of nothing with regards
 2 to those types of agencies.

3 **SIR BRIAN LANGSTAFF:** Thank you. The last question,
 4 really, poses a scenario and I want to know what your
 5 impression is used to happen and what now happens, so
 6 far as you know about what used to happen and as far
 7 as you do know what does happen. Suppose that
 8 somebody who is suffering or has the condition of
 9 haemophilia A or B but is controlling it with
 10 prophylaxis is involved in, let's say, a road traffic
 11 accident, something of that sort, but they are not
 12 anywhere near Belfast they might be in part of South
 13 Tyrone or up around Omagh or the west, approaching the
 14 border. They presumably, if the injury was serious
 15 and required emergency treatment, be taken to the
 16 nearest Accident and Emergency unit, which would not
 17 be in Belfast, would it?

18 **A.** Yes, that's correct. We have had several instances of
 19 that over the years with regards to patients. In
 20 an emergency the Ambulance Service appropriately will
 21 take them to the nearest service with an Accident and
 22 Emergency Department to stabilise and look after the
 23 patient --

24 **SIR BRIAN LANGSTAFF:** So just tell me what happens with
 25 their clotting. Was it the case in the old days, if

121

1 I'm not sure whether or not all hospitals had
 2 historically stocked one or two batches of a clotting
 3 factor concentrate or whether or not, similarly, they
 4 were confined to sort of a hub and spoke type model,
 5 if they were confined to the hub. Of that, I'm less
 6 sure whether or not everybody held a little bit.

7 **SIR BRIAN LANGSTAFF:** Thank you very much. That's all
 8 that I have to ask.

9 **MS FRASER BUTLIN:** Dr Benson's representatives confirm
 10 that they have no questions. Dr Benson is there
 11 anything else you would like to add?

12 **A.** Yes. So just briefly, I think, the haemophilia
 13 multi-professional team are a collection of healthcare
 14 professionals with a drive and a passion for their
 15 chosen discipline, as well as the patients that we get
 16 to look after. Over the last years, in direct
 17 response to patients and their families' needs, the
 18 expansion of this team has been supported by specialty
 19 commissioning service at the Health Board level and
 20 within the Belfast Trust, not just in meeting the
 21 needs or the cost of clotting factor concentrate but
 22 also in furthering the holistic care of the
 23 individual. Whilst none of the team had been present
 24 at the beginning for many of these patients' journeys,
 25 we have all walked along side them. At times we have

123

1 I can call it that, that the doctor not being
 2 necessarily a haematologist himself or having ready
 3 access to haematological input would reach into his
 4 shelf and bring out a vial of Factor VIII concentrate
 5 and administer it? Would that be what would happen or
 6 what?

7 **A.** I suppose from my perspective with regards to where
 8 clotting factor concentrates are stored there within
 9 the Belfast City Hospital and Royal Victoria Hospital
 10 and concentrated within the Altnagelvin Hospital for
 11 the north west, historically whenever we would have
 12 sent factor to the local hospital's blood bank for
 13 patients to collect, on occasions where we have faced
 14 such issues with regard to road traffic accidents, we
 15 are aware of what stock currently being held pending
 16 its collection by a patient, therefore we will take
 17 the vials out of that bag and then we will use that
 18 for the patient.

19 Patients will carry a card which will highlight
 20 their bleeding disorder and treatment. The vast
 21 majority we have actually been phoned in advance and
 22 we have been able to despatch factor promptly and, on
 23 most occasions, the factor has arrived before the
 24 patient has in the ambulance. So, with regards to our
 25 perspective, that's where it's been. Historically,

122

1 carried them and we will never forget the patients and
 2 their families.

3 We do hope that in doing so that we can ease
 4 the challenges that come along with living with
 5 a bleeding disorder in Northern Ireland. We have
 6 been, we are and we remain fully committed to
 7 continuing to enhance that support during and beyond
 8 the terms of the Inquiry, and at all times we do
 9 uphold the aims of the Inquiry with our 110 per cent
 10 support to it and our patients. Thanks.

11 **SIR BRIAN LANGSTAFF:** Thank you very much indeed for the
 12 energetic enthusiasm which you've shown throughout
 13 your evidence for the service of which you are part.
 14 For me I think, if I may say so, what sums up a lot of
 15 your evidence and approach were two things that you
 16 said, one towards the beginning, when you said you
 17 were not there to focus on our needs or what we think
 18 best for them but on their needs, talking about the
 19 patients that you served. And just at the end, when
 20 you were describing how you wanted to treat patients
 21 as a person. And indeed, I think what you were
 22 reading from a moment ago was scripted in advance, and
 23 you used the word "holistic" looking -- exactly the
 24 word that I had put in your mouth a moment or two
 25 before.

124

1 So these things don't go unnoticed. I don't
2 think anyone would have failed to be moved by your
3 reaction to some of the patients and be assured by
4 that, as I see it, your care for your patients is
5 deeply genuine. Nobody has questioned it, nobody
6 could here after your evidence, and thank you very
7 much for telling us what it is like now in Belfast
8 and -- through Belfast, Northern Ireland.

9 A. Thank you.

10 **SIR BRIAN LANGSTAFF:** I just want to say a word or two to
11 those who are watching. Easter is a time to look
12 forward. We've come to the end of the current batch
13 of hearing days. As most of you will know, we are
14 about to take a break from hearings for six weeks.
15 I want to take this opportunity to let you know of our
16 plans for what happens after that.

17 You will understand that it cannot be
18 absolutely cast in stone, for we are timetabling in
19 what is still an age of uncertainties. But, first,
20 those next six weeks will be well spent. We'll look
21 at the questioning over the last few months and at the
22 presentations. The evidence of the very considerable
23 hard work done by my team and by counsel to the
24 Inquiry has been there for all to see.

25 But I do not mean to suggest it's been down to

125

1 its new premises on Aldwych. They will provide all of
2 us with very similar facilities to those we have here.
3 After that, hearings will resume from 20 September.
4 So a break from the end of July to 20 September.

5 As I've said before, this autumn we will
6 scrutinise the pharmaceutical companies and blood
7 services. We will then hear from more Government
8 witnesses, including on the issues of candour,
9 openness and cover up. And, of course, more from
10 those people who were infected and affected as
11 a result of NHS treatment. I shall not forget my
12 promise to put people first and last in this Inquiry.

13 The last thing I want to do is to impose
14 further demands on those of you who felt they had to
15 spend a lot of their available time, almost equivalent
16 of a full-time job, watching the Inquiry hearings,
17 reading disclosed materials in advance of them, and
18 often suggesting helpful lines of questioning to the
19 Inquiry through your representatives. I want to thank
20 you again for that. It may seem to some of you that
21 the pace at which we have had to move, despite the
22 breaks, has been inexorable. But not only that. Some
23 of the memories that the evidence has brought back to
24 the surface may have been difficult and I just want
25 you to know that I recognise that.

127

1 them alone. I'd like to pay tribute to the
2 contribution that so many of you, directly or through
3 your representatives, have made to the process. The
4 label "Participant" says it all. The Inquiry depends
5 upon all its participants for its success.

6 You have passed on the benefits of your own
7 research, your own insights, your own questions.
8 There's a lot more work to be done but it is being
9 done, and it will continue to be done with your help.
10 Thank you.

11 The fruits of that work over this coming break
12 should be there to be seen in the future hearings, so
13 what about those future plans? Well, in May the
14 Inquiry will take evidence on financial support in all
15 four UK nations about The Haemophilia Society, and it
16 will consider the ethical and professional guidance
17 which was given to clinicians.

18 In June, we will hear from campaigners who in
19 the main have not previously given evidence, consider
20 evidence about smaller haemophilia centres, and turn
21 a spotlight on Lord Mayor Treloar's College.

22 In July, the first Government witnesses will be
23 called to give evidence. Then we take a break from
24 hearings, though work of course will continue, and
25 during that pause in August the Inquiry will move to

126

1 Right back at the start of the Inquiry I also
2 set out the principle that we would complete the
3 Inquiry as quickly as reasonable thoroughness permits.
4 We must make best use of time, demanding though that
5 is. I am therefore issuing today a statement of
6 approach on final submissions now and encouraging
7 those of you who are recognised legal representatives
8 and unrepresented Core Participants to start -- not
9 complete, how could you, but start -- yes, you can --
10 your preparations now for making closing statements,
11 covering both the conclusions you think I should reach
12 and those recommendations you hope I will feel able to
13 make. I will read and hear those submissions when we
14 come to the end of the oral hearings we have planned.

15 Well, for now, though, it is an Easter break.
16 We have had a taste of fine weather already. There
17 should be more to come. I hope you have had a chance
18 to enjoy it safely and have a chance to enjoy what
19 comes safely but, now that restrictions are easing,
20 perhaps meet some of those you have not been able to
21 meet for the best part of a year.

22 I wish you all a refreshing break.

23 (2.06 pm)

24 (Hearings adjourned until week commencing 17 May 2021)

25 I N D E X

128

1		
2	DR GARY BENSON (sworn)	2
3	Questions by MS FRASER BUTLIN	2
4	Questions by SIR BRIAN LANGSTAFF	117

5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

<p>MS FRASER BUTLIN: [22] 2/18 11/3 12/13 12/21 13/3 32/23 33/20 57/17 57/20 58/8 58/21 81/17 103/22 106/3 106/22 114/15 114/25 115/3 115/14 117/12 117/14 123/9 SIR BRIAN LANGSTAFF: [32] 1/3 1/6 1/11 1/14 10/1 12/12 12/14 12/25 32/22 32/25 33/9 57/21 58/11 58/20 81/15 103/21 103/24 106/4 114/21 115/1 115/4 115/7 115/12 117/13 117/19 118/19 120/1 121/3 121/24 123/7 124/11 125/10 THE WITNESS: [3] 1/5 1/10 1/12</p> <hr/> <p>'adequate' [1] 19/14 'Medical' [1] 19/23</p> <hr/> <p>... [2] 19/25 106/2</p> <hr/> <p>0</p> <p>001 [1] 87/3</p> <hr/> <p>1</p> <p>1 April 2021 [1] 1/1 1.08 pm [1] 115/9 1.40 [1] 115/8 1.46 pm [1] 115/11 10 [1] 43/7 10.00 [1] 1/2 10.17 [1] 12/22 10.20 [1] 12/24 10/15 years [1] 83/16 100 [1] 43/7 100 per cent [1] 29/19 109 [1] 43/4 11 [1] 67/12 11.20 [1] 58/17 11.50 [1] 58/15 11.52 [1] 58/19 110 per cent [1] 124/9 12 [1] 80/24 127 [1] 94/17 13 [5] 12/7 12/8 13/4 120/1 120/4 13 patients [1] 66/16 13 years [2] 35/17 63/15 13th [1] 34/3 14 [6] 32/8 32/9 33/22</p>	<p>33/22 34/7 120/2 15/16 [1] 34/8 16 [5] 32/10 33/23 34/8 43/4 94/6 16 patients [1] 58/22 16 years [1] 33/22 17 [3] 13/12 66/11 128/24 1960s [1] 101/24 1963 [1] 101/24 1980s [1] 5/6 1999 [2] 2/24 3/2</p> <hr/> <p>2</p> <p>2.06 pm [1] 128/23 20 [2] 43/20 61/19 20 September [2] 127/3 127/4 20 years [1] 105/14 200 [2] 2/1 2/10 2001 [1] 95/1 2003 [8] 3/2 3/5 8/15 12/10 13/1 13/8 65/23 102/25 2004 [1] 65/4 2006 [1] 12/3 2006 audit [1] 13/7 2006 UKHCDO [1] 11/25 2007 [3] 3/8 8/15 12/5 2008 [24] 3/9 4/5 8/23 11/16 12/6 13/23 14/4 15/24 27/13 35/23 35/24 42/15 44/14 61/18 65/9 65/12 66/6 67/5 71/14 72/5 74/23 111/10 111/25 114/11 2009 [6] 21/22 67/11 87/2 87/5 89/19 90/14 2010 [1] 21/24 2014/2015 [2] 66/7 77/9 2015 [3] 66/7 67/6 77/9 2016 [1] 77/7 2016/17 [1] 66/11 2016/2017 [1] 77/18 2017 [1] 77/18 2019 [1] 42/25 2021 [2] 1/1 128/24 22 [1] 22/1 24 [2] 14/7 80/24 24 hours [1] 52/4 25 [2] 19/11 61/19 28 June 2004 [1] 65/4 292 patients [1] 42/16</p> <hr/> <p>3</p> <p>3 co-infected [1] 67/16</p>	<p>4</p> <p>40 per cent [1] 43/21 41 [2] 42/17 42/22</p> <hr/> <p>5</p> <p>5.00 [1] 37/3 5/10 years' [1] 118/9 50 [1] 52/15 500 [1] 108/18 58 [1] 43/3 596 people [2] 43/11 44/1</p> <hr/> <p>6</p> <p>6.8.23 [1] 94/6 64 people [1] 44/2 67.1 [2] 94/18 94/19</p> <hr/> <p>9</p> <p>9.00 [2] 36/18 36/19 9.3 [1] 22/2 90/95 per cent [1] 31/11 99 patients [1] 61/17</p> <hr/> <p>A</p> <p>able [34] 23/16 27/5 29/19 29/21 30/11 31/13 31/15 35/14 45/19 46/23 50/17 50/22 59/14 59/15 60/23 62/17 72/1 73/17 76/8 82/20 84/13 85/2 92/21 92/24 103/9 103/13 104/19 106/10 107/6 108/4 117/4 122/22 128/12 128/20 about [67] 1/20 1/23 2/1 2/23 4/25 5/2 5/19 6/6 7/3 7/7 7/21 13/1 18/6 25/19 28/11 30/18 34/9 41/1 41/3 41/9 46/11 47/24 49/4 51/11 52/17 56/3 56/13 57/11 57/12 57/22 58/8 58/12 61/15 63/23 67/13 72/2 74/19 75/8 77/1 77/18 80/13 80/16 83/21 87/9 87/18 89/5 90/12 90/13 93/7 99/20 102/8 102/22 102/25 105/9 106/8 107/6 107/14 109/7 118/20 119/2 119/21 121/6 124/18 125/14 126/13 126/15 126/20 above [1] 120/4 absolute [1] 86/24 absolutely [10] 30/23 59/20 74/2 84/23 86/1</p>	<p>106/1 106/1 106/4 118/24 125/18 abstinence [2] 73/17 73/21 accelerant [1] 75/4 acceptable [1] 91/4 accepting [1] 109/16 access [29] 1/15 9/19 23/9 25/13 28/19 29/10 29/11 29/13 30/11 30/13 30/17 40/10 62/24 76/15 80/19 81/4 82/20 83/9 84/12 84/15 86/16 92/11 97/18 99/4 100/17 100/24 102/20 120/24 122/3 accessed [2] 36/25 101/6 accessing [3] 78/13 97/4 97/5 accident [4] 34/2 121/11 121/16 121/21 accidents [1] 122/14 accommodate [1] 2/1 accreditation [1] 109/13 accurate [3] 22/15 31/13 44/4 achieve [2] 16/25 34/22 achieved [2] 27/22 65/16 achieving [1] 44/21 acknowledge [1] 17/9 acknowledging [2] 76/19 76/21 acquired [1] 68/6 across [14] 21/17 32/12 34/8 34/22 35/21 36/9 60/1 60/18 64/19 69/5 70/10 74/21 106/16 120/13 acting [1] 21/2 active [5] 95/13 95/23 101/14 104/7 104/14 activities [1] 41/25 actual [1] 69/3 actually [18] 12/4 17/25 18/21 21/24 29/17 40/1 48/16 51/15 51/15 69/25 86/13 87/22 91/13 92/18 104/25 117/4 119/25 122/21 acute [2] 5/24 5/25 add [1] 123/11 added [2] 50/15 86/6 addiction [1] 74/3 addition [4] 6/19 15/11 27/16 76/10 additional [17] 4/18</p>	<p>25/1 25/5 49/7 50/23 53/5 54/15 74/1 78/4 80/5 85/17 88/20 101/5 103/17 104/2 109/9 116/7 address [2] 22/7 83/23 addressed [6] 13/10 13/16 16/15 20/3 39/8 41/11 addressing [1] 22/13 adequately [1] 72/16 Adjacent [1] 9/14 adjourned [1] 128/24 admin [1] 95/15 administer [1] 122/5 administered [1] 110/7 administration [2] 11/1 47/15 administrative [3] 10/20 17/14 94/11 admitted [3] 9/12 9/12 37/10 ado [1] 2/14 adolescent [2] 120/4 120/8 adolescents [1] 120/3 adult [7] 25/14 33/21 34/5 40/20 120/5 120/8 120/16 adult-based [1] 120/16 adults [5] 23/12 31/22 31/23 41/19 120/7 advance [4] 78/19 122/21 124/22 127/17 advances [1] 117/8 advantage [1] 72/25 advantages [2] 50/20 68/17 advent [1] 26/24 advice [6] 31/24 37/8 72/1 74/15 74/17 75/17 advised [1] 75/18 Advisory [1] 4/21 advocated [1] 27/1 affected [10] 29/11 29/14 30/9 43/17 93/12 93/23 113/20 116/2 116/6 127/10 afforded [3] 9/21 10/5 117/1 afraid [3] 32/22 81/13 103/21 afresh [1] 64/15 after [24] 10/25 15/24 23/17 37/3 38/17 38/18 41/4 50/9 63/13 65/19 75/22 76/3 83/10 88/5 90/23</p>	<p>95/17 105/14 114/9 119/11 121/22 123/16 125/6 125/16 127/3 afterwards [4] 60/21 92/3 101/3 105/25 again [28] 5/11 9/17 12/25 14/12 21/23 27/2 30/2 32/22 32/23 33/24 37/22 40/9 40/10 54/11 57/17 68/12 81/13 81/16 88/8 88/10 98/21 99/22 100/1 100/4 100/16 112/12 118/13 127/20 against [1] 109/5 age [7] 32/8 32/9 32/11 34/7 120/1 120/11 125/19 aged [1] 34/8 agencies [1] 121/2 agency [2] 89/23 90/3 ago [12] 4/17 29/25 41/15 46/17 49/6 52/4 83/16 84/7 102/22 106/8 107/20 124/22 agree [2] 82/4 116/17 agreed [2] 23/13 90/10 ah [1] 12/10 ahead [6] 3/11 60/6 89/4 89/10 89/17 91/20 AIDS [1] 114/1 aim [1] 15/1 aiming [1] 16/24 aims [1] 124/9 alarm [1] 84/11 alarming [1] 64/20 albeit [1] 50/14 alcohol [7] 72/3 72/6 73/8 73/10 74/14 74/16 75/2 Aldwych [1] 127/1 all [94] 2/2 3/2 9/22 10/23 10/24 14/5 14/10 14/12 14/24 16/17 17/13 17/16 17/18 17/23 22/4 27/18 30/14 30/15 32/2 32/7 32/8 32/12 38/1 38/4 38/10 38/20 38/25 40/10 41/18 42/21 44/14 44/17 45/9 48/3 48/7 50/21 53/9 55/7 55/11 57/4 57/6 59/3 59/5 59/6 60/3 60/8 62/2 64/2 65/19 66/15 67/7 67/7 68/8 70/7 70/22 73/6 74/7 78/11 85/20 86/5 90/6 90/22 93/20</p>
---	--	---	---	---	---

<p>A</p> <p>all... [31] 94/21 94/22 95/16 95/16 98/9 99/2 100/9 100/24 101/8 102/10 102/19 106/24 111/11 111/23 112/6 113/11 113/13 114/12 115/24 117/7 119/15 123/1 123/7 123/25 124/8 125/24 126/4 126/5 126/14 127/1 128/22</p> <p>all-day [1] 38/20</p> <p>Alliance [1] 22/17</p> <p>allied [3] 21/18 39/8 53/9</p> <p>allocation [2] 5/14 22/21</p> <p>allow [1] 73/17</p> <p>allowed [5] 15/7 15/8 15/9 37/15 104/6</p> <p>allude [1] 111/18</p> <p>alluded [2] 72/13 102/14</p> <p>alludes [1] 17/5</p> <p>almost [3] 35/17 111/14 127/15</p> <p>alone [1] 126/1</p> <p>along [10] 24/20 34/6 35/25 72/7 89/11 89/25 90/9 104/11 123/25 124/4</p> <p>alongside [2] 25/2 35/9</p> <p>alpha [2] 52/9 79/19</p> <p>alpha-fetoprotein [1] 79/19</p> <p>already [12] 27/4 27/6 54/12 68/14 75/23 81/22 86/5 98/24 102/13 102/14 102/21 128/16</p> <p>also [57] 4/15 4/21 6/1 6/4 6/9 9/1 11/20 14/1 15/12 15/12 24/6 24/19 24/22 24/24 25/16 29/11 30/7 31/24 34/18 39/2 41/1 46/6 47/2 49/20 50/24 51/7 51/23 53/13 53/21 56/10 59/7 60/21 63/9 72/10 75/12 79/13 79/20 85/4 85/11 88/11 90/19 91/9 91/25 93/17 98/5 101/10 102/18 104/11 108/1 108/4 109/12 109/12 109/17 112/11 120/23 123/22 128/1</p> <p>alter [1] 48/16</p>	<p>altering [1] 26/20</p> <p>alternate [1] 32/16</p> <p>alternative [1] 71/13</p> <p>Alternatively [1] 37/18</p> <p>alternatives [1] 47/14</p> <p>although [5] 1/8 5/22 12/3 19/13 85/5</p> <p>Altnagelvin [6] 29/24 32/14 33/1 37/18 37/22 122/10</p> <p>always [16] 16/9 41/12 46/20 46/24 47/7 47/17 47/18 47/21 49/12 60/13 73/2 91/6 105/2 109/1 113/7 114/14</p> <p>am [14] 1/2 12/16 12/22 12/24 36/18 36/19 58/17 58/19 59/15 81/24 85/10 112/1 113/17 128/5</p> <p>amalgamation [1] 8/19</p> <p>amazing [3] 41/18 98/14 113/13</p> <p>ambulance [2] 121/20 122/24</p> <p>amount [1] 84/24</p> <p>an accelerant [1] 75/4</p> <p>an advantage [1] 72/25</p> <p>an affected [1] 30/9</p> <p>an alternative [1] 71/13</p> <p>an antidepressant [1] 75/20</p> <p>an automatic [1] 80/3</p> <p>an easier [1] 38/11</p> <p>an educational [1] 109/3</p> <p>an element [1] 120/14</p> <p>an embedded [1] 76/11</p> <p>an emergency [1] 121/20</p> <p>an emotional [1] 120/21</p> <p>an endoscopy [1] 89/7</p> <p>an event [1] 88/1</p> <p>an impact [1] 14/10</p> <p>an individual [1] 110/17</p> <p>an injection [1] 110/7</p> <p>an interested [1] 23/16</p> <p>anaemic [1] 54/9</p> <p>Anderson [10] 3/20 6/9 6/11 6/12 65/2 92/14 94/16 95/14 99/12 104/11</p>	<p>Anderson's [5] 20/25 94/2 96/19 99/11 99/19</p> <p>anger [2] 19/6 86/24</p> <p>annotated [1] 63/7</p> <p>annotation [1] 62/8</p> <p>annual [1] 80/9</p> <p>annually [3] 39/16 40/24 52/18</p> <p>anonymous [1] 16/18</p> <p>another [7] 23/18 42/7 46/22 90/20 106/9 107/5 110/21</p> <p>answer [4] 55/16 68/23 99/14 101/17</p> <p>answered [1] 106/22</p> <p>antidepressant [4] 75/18 75/20 76/10 77/1</p> <p>antigen [1] 52/16</p> <p>anxieties [1] 92/24</p> <p>anxiety [2] 54/23 92/8</p> <p>anxious [1] 83/21</p> <p>any [93] 1/19 2/8 8/9 24/9 25/12 25/12 26/4 27/19 29/16 29/19 30/9 30/14 31/8 32/9 32/9 36/12 36/20 39/8 45/13 48/6 48/7 49/12 49/23 50/2 50/8 50/22 55/9 55/12 55/20 56/3 57/10 57/11 58/2 58/2 59/2 62/11 62/12 62/13 64/14 64/21 64/21 67/21 71/1 71/1 71/2 71/3 71/15 73/4 76/12 76/12 78/12 79/2 79/2 79/7 80/6 80/11 80/11 80/14 82/22 84/17 88/10 90/25 91/14 91/18 91/20 92/9 92/21 92/23 93/3 93/10 94/14 95/25 96/12 96/14 97/18 100/11 100/12 100/12 101/12 101/13 103/17 104/2 104/7 107/12 108/11 109/5 110/14 112/7 112/8 114/18 114/23 115/18 119/14</p> <p>anybody [4] 29/14 30/15 70/10 113/21</p> <p>anybody's [1] 112/23</p> <p>anymore [2] 116/4 116/15</p> <p>anything [2] 1/20 125/2</p> <p>anything [23] 1/23 7/3 7/25 26/16 29/2 31/7 36/20 55/21 62/4 64/20 73/11 76/18 80/6 85/17 90/12 96/4</p>	<p>98/18 98/21 104/21 108/22 117/16 117/17 123/11</p> <p>anyway [1] 73/25</p> <p>anywhere [2] 101/8 121/12</p> <p>apart [2] 2/2 55/25</p> <p>apologies [1] 37/2</p> <p>apologise [1] 106/5</p> <p>apparent [1] 97/24</p> <p>appear [1] 64/20</p> <p>appears [1] 13/18</p> <p>appliances [1] 12/19</p> <p>applicable [1] 104/25</p> <p>applicants [1] 23/20</p> <p>application [2] 104/20 104/23</p> <p>applications [1] 102/17</p> <p>applied [2] 38/6 38/7</p> <p>appoint [1] 23/22</p> <p>appointed [3] 27/7 28/7 59/23</p> <p>appointment [11] 4/17 16/17 18/4 20/10 21/1 27/2 27/25 29/4 52/23 59/24 70/20</p> <p>appointments [4] 26/11 28/22 51/11 118/17</p> <p>appraisal [1] 77/13</p> <p>appraisals [2] 66/12 78/18</p> <p>appreciated [1] 72/8</p> <p>approach [12] 7/3 7/6 7/22 7/23 8/4 8/4 20/22 119/2 119/4 120/18 124/15 128/6</p> <p>approached [2] 41/16 105/5</p> <p>approaches [1] 7/21</p> <p>approaching [1] 121/13</p> <p>appropriate [4] 77/25 90/11 104/16 112/4</p> <p>appropriately [4] 38/3 89/17 92/25 121/20</p> <p>approximate [1] 52/3</p> <p>approximately [2] 61/19 66/7</p> <p>April [1] 1/1</p> <p>archived [1] 94/22</p> <p>are [167]</p> <p>area [2] 3/15 10/19</p> <p>areas [1] 5/1</p> <p>aren't [1] 113/11</p> <p>arise [1] 31/5</p> <p>arisen [1] 112/18</p> <p>arose [2] 24/9 102/23</p> <p>around [11] 9/18 38/24 61/17 67/9 74/15 77/18 87/25</p>	<p>90/13 93/25 103/16 121/13</p> <p>arranged [4] 6/8 6/11 82/15 82/16</p> <p>arrangements [4] 22/12 33/2 45/8 110/13</p> <p>arrival [7] 8/12 14/15 20/20 20/23 27/13 59/21 63/21</p> <p>arrive [1] 37/25</p> <p>arrived [18] 11/24 13/20 13/22 14/13 21/7 57/8 58/24 59/18 61/12 62/1 65/6 65/9 67/10 85/24 94/17 95/10 96/11 122/23</p> <p>arriving [2] 18/7 120/15</p> <p>articles [1] 50/19</p> <p>as [242]</p> <p>as-required [1] 49/22</p> <p>aside [1] 92/17</p> <p>ask [10] 2/6 2/14 4/25 6/6 25/19 47/11 81/15 84/12 115/15 123/8</p> <p>asked [7] 1/22 48/15 62/18 84/8 91/7 101/4 118/20</p> <p>asking [3] 2/3 2/22 119/20</p> <p>aspects [2] 7/8 7/9</p> <p>assessed [4] 37/10 39/2 61/22 89/17</p> <p>assessment [9] 39/3 39/18 79/3 89/10 89/16 91/7 91/8 91/20 92/21</p> <p>assessments [1] 33/17</p> <p>assist [2] 16/4 92/10</p> <p>assistant [1] 24/23</p> <p>associate [1] 11/10</p> <p>assured [2] 29/3 125/3</p> <p>asymptomatic [1] 6/2</p> <p>attempt [1] 67/2</p> <p>attend [9] 9/8 9/10 26/19 29/7 33/14 37/17 39/15 40/2 60/5</p> <p>attended [4] 10/15 10/15 31/12 37/8</p> <p>attending [1] 29/8</p> <p>attends [1] 103/6</p> <p>attention [1] 112/4</p> <p>attentions [1] 14/22</p> <p>audience [1] 2/10</p> <p>audit [22] 11/25 12/4 12/4 12/10 13/1 13/7 13/8 13/17 17/2 17/5 19/8 21/23 21/24 22/3 24/4 42/25 43/13 44/5</p>	<p>44/9 67/11 67/23 118/21</p> <p>audits [1] 27/19</p> <p>augmented [1] 5/12</p> <p>August [2] 102/25 126/25</p> <p>August 2003 [1] 102/25</p> <p>author [2] 118/23 118/25</p> <p>authors [1] 20/5</p> <p>automatic [1] 80/3</p> <p>automatically [2] 66/22 101/1</p> <p>autumn [2] 18/22 127/5</p> <p>avail [4] 27/5 30/6 33/16 59/10</p> <p>availability [5] 28/17 72/19 83/13 102/20 109/2</p> <p>available [16] 28/13 39/9 45/5 60/8 69/7 77/5 85/20 92/17 92/19 99/1 104/25 105/2 105/3 108/13 108/24 127/15</p> <p>availed [1] 92/19</p> <p>average [2] 32/16 52/17</p> <p>aware [42] 5/6 8/9 8/16 13/19 13/21 17/18 23/7 26/25 56/4 56/8 59/6 59/16 61/5 66/9 74/21 77/13 77/18 78/12 78/15 80/11 80/23 81/19 81/24 84/17 85/11 86/25 88/6 91/20 92/2 93/4 93/18 95/25 96/5 96/12 96/14 96/25 100/18 107/17 107/22 110/9 120/17 122/15</p> <p>awareness [1] 64/24</p> <p>away [6] 37/19 59/3 59/4 59/5 112/7 113/22</p> <p>awful [1] 105/22</p> <p>B</p> <p>back [37] 4/3 11/3 12/15 13/11 19/7 19/9 31/15 33/19 35/24 41/8 44/23 46/23 47/11 54/21 58/14 59/9 60/23 67/22 68/8 80/15 81/15 84/7 99/6 100/19 101/12 102/6 111/13 111/16 112/4 112/20 113/2 115/8 115/22 118/13 119/20 127/23 128/1</p>
---	--	---	--	--	---

<p>B</p> <p>background [2] 27/5 28/4</p> <p>bag [2] 101/25 122/17</p> <p>balance [1] 49/22</p> <p>banding [1] 22/7</p> <p>bank [5] 19/1 37/22 51/3 94/22 122/12</p> <p>barbecue [1] 41/25</p> <p>base [1] 48/5</p> <p>based [19] 6/13 9/16 9/16 19/3 32/10 32/16 45/18 48/9 63/13 77/5 77/12 77/25 81/6 90/7 91/4 97/10 98/18 119/16 120/16</p> <p>basic [1] 64/24</p> <p>basis [16] 9/6 10/9 15/25 34/12 39/15 40/22 48/18 51/12 54/3 55/25 60/1 65/25 68/24 69/2 80/3 80/9</p> <p>batch [1] 125/12</p> <p>batches [1] 123/2</p> <p>BCH [1] 13/15</p> <p>be [167]</p> <p>be found [1] 97/20</p> <p>bear [1] 47/22</p> <p>bearing [1] 85/14</p> <p>became [7] 4/20 4/21 64/5 77/5 77/16 95/18 97/24</p> <p>because [27] 1/15 1/19 6/11 12/18 18/16 26/4 26/6 40/1 49/7 50/7 54/23 55/16 60/14 64/1 64/23 66/17 70/6 83/5 83/10 83/12 97/25 98/3 103/5 103/24 105/10 107/4 113/15</p> <p>become [3] 35/15 35/16 80/21</p> <p>bed [2] 9/7 9/12</p> <p>been [177]</p> <p>before [33] 4/25 5/5 8/15 8/21 13/19 13/22 15/5 18/7 19/8 20/20 20/23 26/24 27/12 36/9 64/18 74/19 75/8 75/21 77/16 84/19 85/23 87/15 87/19 93/6 102/6 102/24 103/11 107/11 113/9 114/13 122/23 124/25 127/5</p> <p>beforehand [1] 60/20</p> <p>beginning [2] 123/24 124/16</p> <p>behalf [1] 45/21</p> <p>being [55] 5/5 7/9 8/9</p>	<p>14/12 18/14 20/2 20/3 23/2 23/5 23/5 26/10 27/3 29/3 29/5 31/5 32/4 35/1 42/22 46/2 46/3 46/23 50/15 54/24 56/5 64/20 72/15 72/15 75/18 75/23 77/1 78/19 79/19 84/6 86/6 86/10 88/19 88/25 89/17 91/15 91/23 96/1 98/2 98/17 99/21 99/22 99/22 110/1 110/19 112/5 113/3 116/4 117/3 122/1 122/15 126/8</p> <p>Belfast [42] 1/7 3/5 4/2 4/6 4/16 4/20 4/25 6/12 8/12 8/20 8/25 14/21 16/16 32/3 32/7 32/13 32/20 33/6 33/19 37/4 37/11 42/7 42/9 42/17 57/5 58/22 59/3 65/22 66/14 85/24 89/24 91/1 94/21 94/25 110/13 110/24 121/12 121/17 122/9 123/20 125/7 125/8</p> <p>believe [2] 59/8 87/11</p> <p>believed [3] 61/17 104/17 104/17</p> <p>benefit [1] 120/6</p> <p>benefits [2] 46/11 126/6</p> <p>Benson [27] 1/3 2/14 2/16 2/19 12/11 13/5 43/9 57/17 57/20 58/21 69/21 81/13 87/11 95/11 98/2 98/4 98/6 98/7 98/9 106/23 108/6 114/15 114/24 115/12 115/16 123/10 129/2</p> <p>Benson's [2] 117/16 123/9</p> <p>beside [2] 41/14 62/8</p> <p>bespoke [2] 15/8 120/23</p> <p>best [7] 26/6 35/3 90/24 95/4 124/18 128/4 128/21</p> <p>better [5] 20/5 48/23 71/13 112/25 113/8</p> <p>between [21] 3/1 8/20 13/17 13/24 25/22 27/13 33/21 34/10 43/20 43/24 60/24 61/19 70/4 79/25 80/24 81/10 81/18 98/7 98/8 112/19 118/17</p>	<p>beyond [3] 34/3 104/22 124/7</p> <p>biomedical [2] 11/17 25/6</p> <p>biopsies [1] 90/25</p> <p>biopsy [2] 90/5 91/22</p> <p>birth [2] 98/5 98/11</p> <p>birthday [1] 34/4</p> <p>birthdays [1] 35/7</p> <p>bit [25] 5/22 6/6 10/1 17/10 26/1 28/11 28/16 34/9 35/1 37/19 38/22 41/3 45/14 54/9 64/1 67/8 67/14 88/6 88/19 95/19 98/19 105/20 105/21 113/7 123/6</p> <p>bits [1] 25/25</p> <p>bleed [5] 44/21 51/19 118/4 118/4 119/18</p> <p>bleeding [19] 14/25 15/18 15/25 32/3 38/18 40/24 42/16 42/21 43/11 44/1 47/12 63/16 70/7 79/5 80/10 116/22 119/17 122/20 124/5</p> <p>bleeds [2] 25/19 40/19</p> <p>block [1] 54/5</p> <p>blood [35] 4/15 4/18 5/3 5/3 5/6 5/11 5/15 5/18 5/21 19/1 33/17 37/22 39/4 49/17 49/19 51/3 51/17 52/20 53/3 55/11 55/24 64/8 66/4 71/2 79/24 83/19 84/2 86/7 87/16 88/7 94/22 109/25 111/6 122/12 127/6</p> <p>bloods [8] 10/17 52/7 52/20 53/3 53/13 60/6 79/21 82/4</p> <p>board [5] 13/25 72/23 110/20 112/20 123/19</p> <p>boards [1] 97/13</p> <p>bodies [1] 109/17</p> <p>bone [2] 24/6 36/2</p> <p>border [1] 121/14</p> <p>born [1] 35/19</p> <p>both [19] 5/8 6/23 9/5 11/19 14/25 15/22 23/12 23/20 23/22 25/23 36/6 41/19 57/5 73/13 73/22 109/16 115/21 120/14 128/11</p> <p>bottom [3] 12/3 21/25 22/2</p> <p>boys [2] 41/13 99/23</p> <p>brand [1] 51/6</p> <p>branded [1] 49/9</p>	<p>break [17] 1/19 12/13 12/20 12/23 58/10 58/12 58/14 58/18 114/16 115/5 115/10 125/14 126/11 126/23 127/4 128/15 128/22</p> <p>breaks [1] 127/22</p> <p>BRIAN [2] 117/18 129/4</p> <p>Bridgewater [3] 8/24 94/25 95/3</p> <p>briefly [1] 123/12</p> <p>bring [2] 112/20 122/4</p> <p>bringing [1] 71/16</p> <p>broader [1] 31/18</p> <p>brought [2] 87/22 127/23</p> <p>budget [1] 14/1</p> <p>building [1] 26/17</p> <p>bullet [2] 22/7 22/13</p> <p>bumping [1] 41/13</p> <p>bundle [1] 100/7</p> <p>busy [1] 95/20</p> <p>but [117] 1/16 1/22 2/10 3/25 6/9 8/3 10/10 11/20 12/9 12/17 13/11 13/22 14/4 16/21 17/4 18/13 20/14 20/16 20/24 21/16 24/8 25/9 25/21 26/1 26/9 26/21 29/19 30/7 30/9 31/6 31/14 32/18 32/19 33/5 33/15 34/1 35/16 36/25 38/23 40/19 44/17 47/11 47/12 47/14 47/21 48/15 48/18 50/20 53/18 55/4 59/14 59/15 62/24 64/9 67/5 71/15 71/22 72/10 73/7 73/21 74/5 74/8 74/12 75/1 78/24 79/22 83/10 84/10 88/13 88/23 90/6 91/3 91/16 91/23 92/22 93/21 94/4 94/8 95/23 96/8 97/20 98/5 98/8 100/1 100/9 102/6 105/24 106/14 106/25 107/23 108/9 109/2 109/17 111/1 111/15 112/3 113/1 113/8 113/14 114/1 114/9 114/21 116/15 117/2 117/10 118/5 119/1 121/9 121/11 123/21 124/18 125/19 125/25 126/8 127/22 128/9 128/19</p> <p>Butlin [3] 2/3 2/17 129/3</p> <p>butterfly [1] 48/2</p>	<p>by [60] 1/17 2/17 2/22 6/11 10/15 14/22 16/16 17/8 18/8 20/2 20/6 21/2 23/21 25/17 26/19 30/3 30/15 30/22 37/5 38/25 39/2 39/8 41/11 41/16 42/3 42/11 43/21 45/21 57/8 59/5 60/4 60/25 67/16 67/21 67/24 68/25 69/24 69/24 70/23 83/11 84/17 87/13 95/17 98/11 98/12 98/20 99/23 109/22 115/25 117/18 118/11 118/22 122/16 123/18 125/2 125/3 125/23 125/23 129/3 129/4</p>	<p>67/12 68/21 74/7 81/5 82/17 85/18 85/24 87/3 87/4 87/8 87/18 88/2 89/4 90/12 92/4 96/6 97/5 97/10 99/8 102/7 102/25 110/21 110/25 111/6 112/12 112/24 113/8 114/12 114/18 116/22 119/24 119/24 119/25 122/1 124/3 128/9</p> <p>can't [11] 14/3 64/19 74/8 86/14 98/18 113/8 113/22 113/23 114/6 114/6 117/1</p> <p>cancer [3] 6/4 9/2 52/18</p> <p>candidates [1] 23/23</p> <p>candour [1] 127/8</p> <p>cannot [2] 113/8 125/17</p> <p>capable [1] 82/25</p> <p>capsules [1] 75/12</p> <p>card [2] 51/8 122/19</p> <p>care [44] 3/17 4/9 4/16 16/20 19/22 20/2 20/15 20/18 22/20 26/20 29/18 31/20 33/21 34/10 34/12 35/22 36/14 37/1 37/24 55/8 59/25 61/3 64/6 65/24 74/3 78/20 79/15 80/13 80/16 80/16 80/17 80/18 86/16 96/20 97/13 99/24 110/23 112/23 112/25 117/25 118/1 118/20 123/22 125/4</p> <p>cared [1] 83/6</p> <p>career [1] 114/10</p> <p>carried [3] 8/9 40/1 124/1</p> <p>carrier [1] 6/2</p> <p>carriers [3] 35/19 43/16 43/20</p> <p>carry [5] 13/12 22/1 22/8 51/8 122/19</p> <p>case [8] 13/23 30/5 52/17 88/12 94/5 94/14 95/8 121/25</p> <p>cast [1] 125/18</p> <p>catch [1] 41/15</p> <p>cause [4] 53/22 54/23 64/20 88/15</p> <p>caused [1] 92/8</p> <p>Caxton [1] 102/12</p> <p>cells [1] 51/18</p> <p>cent [4] 29/19 31/11 43/21 124/9</p> <p>central [3] 20/18 46/4 108/10</p> <p>centralise [1] 90/25</p>
---	--	--	--	---	---

<p>C</p> <p>centrally [1] 91/21</p> <p>centre [77] 3/17 4/10 4/14 4/20 8/14 8/23 10/19 10/25 11/6 14/9 17/6 18/24 19/16 19/19 19/22 19/23 20/7 20/18 20/21 21/1 21/8 21/9 22/20 23/25 29/11 30/10 31/19 31/19 31/20 32/4 32/7 38/15 41/2 42/4 42/17 43/12 44/12 44/13 46/4 55/24 57/8 58/22 58/25 59/19 61/6 61/12 62/21 65/7 65/8 65/22 66/14 67/10 74/25 83/6 85/8 87/2 87/21 87/24 94/19 94/21 94/24 95/3 95/10 95/15 95/24 102/8 107/5 108/2 108/8 108/11 108/20 109/5 110/11 110/12 111/3 115/21 116/21</p> <p>centre's [3] 41/7 95/1 109/6</p> <p>centre: [1] 43/3</p> <p>centre: 58 [1] 43/3</p> <p>centres [1] 126/20</p> <p>centric [2] 20/16 20/21</p> <p>certainly [21] 7/16 8/16 13/22 14/4 20/10 21/20 26/17 35/13 46/13 47/5 47/9 50/20 56/7 60/12 73/8 74/20 76/23 78/15 115/20 119/9 119/10</p> <p>certificate [2] 98/5 105/1</p> <p>challenge [8] 72/4 74/12 75/4 75/16 86/7 91/14 93/3 104/21</p> <p>challenged [1] 75/23</p> <p>challenger [1] 74/7</p> <p>challenges [9] 18/12 40/24 72/12 76/22 78/8 96/23 112/18 113/4 124/4</p> <p>challenging [2] 18/10 105/9</p> <p>chance [2] 128/17 128/18</p> <p>change [11] 46/15 47/13 48/7 48/12 48/13 48/14 75/25 80/6 90/7 90/11 104/16</p> <p>changed [11] 8/17 45/14 48/24 48/25</p>	<p>49/6 49/9 65/7 77/6 110/12 114/10 117/2</p> <p>changes [3] 43/15 43/23 117/8</p> <p>changing [4] 46/22 47/8 47/22 48/7</p> <p>channel [1] 70/16</p> <p>charge [1] 35/18</p> <p>Charlene [1] 9/16</p> <p>chasm [1] 121/1</p> <p>chat [3] 26/2 35/4 87/25</p> <p>chats [1] 26/4</p> <p>check [10] 2/19 39/4 43/18 51/17 51/23 82/4 83/19 84/8 101/12 103/10</p> <p>checked [2] 53/14 79/21</p> <p>checking [3] 50/5 51/17 100/5</p> <p>checklist [1] 89/9</p> <p>cheque [1] 105/22</p> <p>child [3] 5/5 32/10 34/20</p> <p>childhood [1] 100/1</p> <p>children [11] 23/12 34/3 35/14 43/24 73/15 76/5 116/19 116/21 117/3 117/11 120/5</p> <p>choice [6] 47/5 47/25 49/21 67/24 68/2 68/3</p> <p>chose [4] 44/23 63/17 66/18 69/23</p> <p>chose Northern [1] 63/17</p> <p>chosen [1] 123/15</p> <p>Chris [1] 23/17</p> <p>Christine [1] 24/19</p> <p>circumstances [2] 29/15 84/21</p> <p>cirrhosis [9] 6/3 75/3 78/8 79/12 81/12 81/19 81/21 81/22 82/1</p> <p>citing [1] 68/8</p> <p>City [8] 1/9 8/21 8/25 21/17 37/11 68/14 94/25 122/9</p> <p>CJD [9] 19/4 86/6 88/14 88/23 89/9 89/14 91/5 91/13 92/15</p> <p>clarify [5] 32/2 55/13 81/10 81/17 92/4</p> <p>clarity [1] 91/24</p> <p>classification [2] 42/20 43/21</p> <p>classifications [1] 43/15</p> <p>classified [1] 36/11</p>	<p>classify [1] 119/15</p> <p>cleansing [1] 43/19</p> <p>clear [6] 27/23 31/23 69/21 72/4 101/11 120/12</p> <p>clearer [1] 98/20</p> <p>clearly [8] 5/9 5/21 22/11 64/4 73/19 86/18 86/23 106/25</p> <p>clever [1] 113/15</p> <p>clinic [42] 14/23 15/3 15/6 15/8 15/15 15/21 18/16 26/19 29/24 32/14 33/11 38/20 40/10 48/19 51/10 53/12 54/8 60/7 60/18 61/1 61/4 61/4 61/8 65/4 65/9 69/1 69/25 70/8 70/14 71/7 71/12 71/17 71/17 72/14 73/6 73/15 76/12 79/22 80/1 80/2 83/3 83/24</p> <p>clinical [13] 4/15 4/19 9/1 11/12 11/21 17/14 24/5 24/18 25/2 27/8 68/24 69/2 71/22</p> <p>clinically [1] 6/23</p> <p>clinician [2] 7/10 109/1</p> <p>clinicians [4] 7/20 13/18 108/21 126/17</p> <p>clinics [4] 7/13 14/23 26/10 41/12</p> <p>closed [1] 37/12</p> <p>closely [1] 120/17</p> <p>closing [1] 128/10</p> <p>clotting [12] 9/11 14/25 18/23 37/21 45/1 45/11 49/2 79/5 121/25 122/8 123/2 123/21</p> <p>CMU [1] 109/13</p> <p>co [5] 59/7 59/16 67/16 67/19 79/25</p> <p>co-infected [2] 59/7 59/16</p> <p>co-ordinate [2] 67/19 79/25</p> <p>coagulation [8] 3/15 4/1 4/13 11/19 14/25 23/15 25/4 54/3</p> <p>code [4] 30/22 62/20 62/21 103/16</p> <p>coded [1] 103/15</p> <p>coercion [1] 73/2</p> <p>cohort [8] 65/21 69/4 70/14 83/8 89/12 91/2 112/15 112/16</p> <p>Colette [1] 11/13</p> <p>collaborative [3] 7/5 7/9 8/5</p>	<p>colleague [1] 17/6</p> <p>colleagues [7] 7/18 24/5 38/10 87/16 88/8 93/16 108/1</p> <p>collect [1] 122/13</p> <p>collection [2] 122/16 123/13</p> <p>College [1] 126/21</p> <p>combination [1] 67/19</p> <p>combined [3] 15/14 65/9 71/11</p> <p>come [50] 2/6 4/3 11/3 13/5 13/11 15/7 17/17 17/23 19/7 26/5 32/11 34/8 34/22 35/21 39/11 41/24 47/10 47/24 48/19 52/25 54/14 56/9 57/25 58/14 60/1 63/6 64/19 66/12 69/18 70/6 71/24 73/5 74/21 80/15 86/5 95/9 97/18 102/6 105/6 105/14 113/5 115/7 116/12 116/21 119/14 120/13 124/4 125/12 128/14 128/17</p> <p>comes [6] 27/19 48/3 53/19 60/18 118/3 128/19</p> <p>comfortable [1] 68/13</p> <p>coming [12] 14/25 15/10 26/16 41/8 53/11 69/10 72/15 73/15 87/1 90/17 105/8 126/11</p> <p>commencing [1] 128/24</p> <p>comment [1] 2/9</p> <p>comments [2] 13/13 14/8</p> <p>commissioners [3] 13/18 13/25 27/21</p> <p>commissioning [4] 14/6 23/1 23/22 123/19</p> <p>committed [1] 124/6</p> <p>committee [2] 4/21 109/10</p> <p>common [2] 52/19 75/16</p> <p>commoner [1] 76/2</p> <p>commonest [1] 104/24</p> <p>communication [6] 13/17 15/12 70/16 71/19 103/3 103/5</p> <p>community [1] 120/19</p> <p>companies [8] 108/7 108/8 108/12 108/17 109/5 109/18 109/23</p>	<p>127/6</p> <p>compared [2] 61/1 78/14</p> <p>compensation [1] 105/12</p> <p>complement [1] 20/13</p> <p>complete [4] 53/4 62/23 128/2 128/9</p> <p>completed [3] 2/23 65/5 102/16</p> <p>completely [1] 12/11</p> <p>completeness [1] 94/9</p> <p>complications [3] 18/11 54/10 79/7</p> <p>components [1] 28/2</p> <p>comprehensive [4] 3/17 4/9 22/19 31/20</p> <p>computer [1] 53/3</p> <p>concentrate [5] 18/23 79/6 122/4 123/3 123/21</p> <p>concentrated [2] 38/21 122/10</p> <p>concentrates [1] 122/8</p> <p>concentration [1] 85/13</p> <p>concentrations [1] 48/5</p> <p>concepts [1] 16/5</p> <p>concern [6] 71/1 84/1 84/6 84/11 88/18 92/8</p> <p>concerned [3] 54/25 80/15 82/14</p> <p>concerns [10] 55/20 67/21 80/13 82/13 83/23 86/15 87/8 87/10 87/13 92/24</p> <p>concluded [1] 90/6</p> <p>conclusions [1] 128/11</p> <p>condition [4] 82/2 83/21 119/3 121/8</p> <p>condition's [1] 82/3</p> <p>conducted [1] 12/16</p> <p>conferences [1] 108/21</p> <p>confidential [2] 30/20 30/21</p> <p>confined [2] 123/4 123/5</p> <p>confirm [2] 31/15 123/9</p> <p>confirmed [1] 81/22</p> <p>conflict [1] 109/11</p> <p>conjecture [1] 20/9</p> <p>connection [5] 9/23 9/24 32/21 57/16 103/20</p> <p>consent [9] 52/22 53/25 54/1 55/4 58/3</p>	<p>99/7 100/6 100/12 101/12</p> <p>consented [2] 55/16 64/23</p> <p>consider [5] 71/15 73/24 115/19 126/16 126/19</p> <p>considerable [5] 85/7 92/8 97/1 100/20 125/22</p> <p>consideration [3] 22/4 107/13 116/7</p> <p>considered [3] 17/1 43/22 77/24</p> <p>consistent [1] 51/5</p> <p>consists [2] 9/4 28/12</p> <p>constant [1] 76/1</p> <p>constantly [1] 67/6</p> <p>constitute [1] 70/15</p> <p>construct [1] 15/5</p> <p>constructed [2] 15/19 16/23</p> <p>construction [1] 16/7</p> <p>consult [1] 9/6</p> <p>consultant [27] 3/16 3/20 4/6 4/11 8/2 8/17 11/8 17/6 20/16 20/17 20/21 20/23 21/2 22/5 23/15 23/24 35/17 36/1 36/17 36/21 37/9 38/9 54/2 64/5 112/14 113/2 114/11</p> <p>consultant-centric [1] 20/21</p> <p>consultants [7] 7/2 24/2 24/14 35/25 36/8 38/8 95/22</p> <p>consultation [5] 32/19 33/5 40/9 55/5 105/9</p> <p>consulting [2] 9/18 10/13</p> <p>contact [11] 6/12 28/21 30/9 30/15 31/16 38/12 103/5 106/9 107/1 107/3 119/14</p> <p>contacted [5] 57/2 81/4 88/7 104/15 107/12</p> <p>contacting [1] 103/12</p> <p>contacts [2] 3/19 38/4</p> <p>contained [1] 10/22</p> <p>contemplate [1] 68/7</p> <p>contemporaneous [1] 62/25</p> <p>content [4] 24/8 34/7 100/24 110/18</p> <p>context [3] 88/22 110/13 110/24</p> <p>continual [1] 30/25</p> <p>continue [4] 79/20</p>
---	--	---	---	---	---

<p>C</p> <p>continue... [3] 80/8 126/9 126/24</p> <p>continued [4] 17/3 22/24 65/13 85/6</p> <p>continues [2] 15/24 59/21</p> <p>continuing [1] 124/7</p> <p>contract [2] 46/6 48/7</p> <p>contractual [1] 110/19</p> <p>contributed [1] 112/22</p> <p>contributing [1] 109/6</p> <p>contribution [1] 126/2</p> <p>control [3] 44/21 112/7 112/10</p> <p>controlled [1] 111/23</p> <p>controlling [1] 121/9</p> <p>convenience [1] 19/1</p> <p>convenient [1] 76/18</p> <p>conversation [3] 55/1 57/19 63/14</p> <p>conversations [5] 50/9 56/18 56/20 57/10 80/14</p> <p>copied [3] 90/19 100/14 101/1</p> <p>Core [2] 114/17 128/8</p> <p>cornerstone [1] 119/10</p> <p>correct [19] 1/10 2/25 3/3 3/10 4/22 4/23 11/10 32/1 44/16 44/19 45/3 45/12 56/2 59/1 62/5 78/23 79/1 87/12 121/18</p> <p>correlated [1] 110/5</p> <p>corridor [1] 95/22</p> <p>cost [2] 46/3 123/21</p> <p>could [20] 4/2 11/24 17/1 25/7 32/2 40/5 42/24 59/10 67/10 73/11 73/25 86/14 94/1 97/20 101/24 114/8 114/8 114/11 125/6 128/9</p> <p>couldn't [2] 16/25 118/22</p> <p>counsel [1] 125/23</p> <p>counselling [7] 25/15 25/16 26/8 74/4 85/19 92/9 92/16</p> <p>count [6] 51/17 51/18 52/20 54/6 83/19 83/19</p> <p>couple [4] 35/8 58/13 81/14 110/9</p> <p>course [9] 2/9 7/19 74/5 74/5 77/8 77/15 114/23 126/24 127/9</p>	<p>courses [2] 66/8 75/6</p> <p>cover [4] 22/12 24/3 120/8 127/9</p> <p>covered [2] 24/5 41/21</p> <p>covering [1] 128/11</p> <p>Covid [4] 28/16 28/24 32/17 33/11</p> <p>Coyle [1] 62/18</p> <p>CPD [1] 17/22</p> <p>crises [1] 31/4</p> <p>crisis [1] 9/8</p> <p>criteria [1] 45/22</p> <p>Crockard [1] 21/14</p> <p>cross [3] 30/7 99/10 103/10</p> <p>cross-check [1] 103/10</p> <p>cross-reference [1] 99/10</p> <p>cul [1] 113/3</p> <p>current [11] 32/17 34/13 43/14 43/21 45/4 45/8 78/20 95/11 95/13 110/1 125/12</p> <p>currently [4] 25/3 55/7 61/23 122/15</p> <p>custodian [1] 100/2</p> <p>cut [1] 120/12</p> <p>cut-off [1] 120/12</p> <p>CV [2] 2/23 4/4</p> <p>D</p> <p>Dad [1] 35/4</p> <p>Dahl [3] 41/17 41/20 108/14</p> <p>daily [1] 48/18</p> <p>dash [1] 98/12</p> <p>data [9] 10/20 22/14 23/7 24/13 43/14 43/18 99/20 99/21 100/2</p> <p>database [3] 44/7 70/23 99/16</p> <p>date [5] 46/5 60/13 77/6 99/9 101/23</p> <p>dated [2] 100/19 101/20</p> <p>dating [2] 38/23 62/13</p> <p>daughter [1] 104/15</p> <p>day [20] 9/6 9/6 9/8 15/11 38/20 40/4 41/17 41/21 42/1 42/7 51/16 53/14 68/4 68/22 79/18 92/5 108/16 108/19 108/19 119/21</p> <p>days [10] 28/1 28/12 41/2 42/3 42/13 56/7 58/14 108/14 121/25 125/13</p> <p>DDAVP [1] 45/1</p>	<p>de [1] 113/3</p> <p>deal [3] 31/4 93/24 107/16</p> <p>dealing [3] 49/1 49/1 69/19</p> <p>deals [2] 94/18 94/19</p> <p>dealt [3] 68/24 68/25 91/17</p> <p>deanery [1] 6/16</p> <p>death [3] 103/10 105/1 108/3</p> <p>decide [1] 118/8</p> <p>decision [7] 6/14 61/24 68/22 89/20 89/22 115/22 118/7</p> <p>decision-makers [1] 115/22</p> <p>decisions [2] 108/10 109/7</p> <p>declaration [3] 3/14 55/6 109/11</p> <p>declare [1] 23/16</p> <p>dedicated [15] 9/2 10/12 15/5 22/11 23/8 23/11 24/2 24/21 24/24 25/10 27/13 27/15 28/6 28/10 93/4</p> <p>deemed [1] 54/20</p> <p>deeply [1] 125/5</p> <p>deficiency [1] 51/20</p> <p>definitely [1] 75/1</p> <p>definition [1] 32/10</p> <p>delay [3] 68/18 78/12 91/4</p> <p>delayed [1] 88/15</p> <p>delays [1] 86/15</p> <p>delighted [1] 17/5</p> <p>deliver [1] 26/20</p> <p>delivered [4] 50/21 64/24 65/23 120/19</p> <p>delivery [3] 18/21 18/23 19/2</p> <p>demand [1] 45/7</p> <p>demanding [1] 128/4</p> <p>demands [2] 19/16 127/14</p> <p>department [14] 7/4 25/8 34/3 34/5 37/12 37/14 37/16 37/21 60/4 62/18 94/23 95/5 96/2 121/22</p> <p>depending [5] 7/13 28/15 29/16 40/24 53/6</p> <p>depends [1] 126/4</p> <p>depression [1] 76/14</p> <p>derangement [2] 5/24 78/8</p> <p>derived [8] 44/22 44/24 45/1 46/23 49/2 49/17 50/3 98/16</p> <p>describe [5] 8/13</p>	<p>14/11 19/13 52/22 65/24</p> <p>described [6] 40/15 95/14 95/24 97/3 97/5 120/1</p> <p>describing [2] 20/6 124/20</p> <p>deserve [2] 113/25 113/25</p> <p>designated [1] 19/15</p> <p>designed [2] 29/13 30/3</p> <p>desires [1] 119/8</p> <p>despatch [1] 122/22</p> <p>despite [2] 54/24 127/21</p> <p>destruction [2] 97/11 98/24</p> <p>detail [2] 50/22 67/9</p> <p>details [1] 51/9</p> <p>detected [1] 52/17</p> <p>detective [1] 107/2</p> <p>develop [1] 15/1</p> <p>developed [3] 20/12 79/12 82/1</p> <p>developing [1] 14/22</p> <p>development [6] 6/4 16/3 19/20 30/25 47/18 109/24</p> <p>diagnosis [1] 81/21</p> <p>did [40] 6/9 6/25 7/1 7/24 18/22 20/3 21/7 23/14 24/11 37/1 40/4 41/7 48/16 49/3 62/11 64/16 64/16 64/19 64/20 66/25 70/10 70/15 70/15 71/6 71/15 73/22 73/24 75/7 87/16 88/13 88/15 90/7 90/11 100/6 100/11 107/12 107/15 113/18 114/1 117/25</p> <p>didn't [11] 48/13 73/3 76/11 90/15 100/12 101/12 101/13 112/17 113/25 113/25 114/9</p> <p>die [2] 113/14 114/1</p> <p>died [7] 30/11 102/24 105/14 106/24 113/14 116/4 117/5</p> <p>diet [3] 72/2 74/15 74/22</p> <p>difference [1] 60/24</p> <p>different [7] 7/12 7/13 71/4 71/20 71/21 7/23 34/24 38/23 43/10 48/4 53/25 58/9 80/6 81/10 81/18 88/25 97/13</p> <p>differentiate [1] 80/24</p> <p>difficult [13] 15/2</p>	<p>29/16 68/7 73/19 86/8 86/11 86/20 103/2 105/7 105/18 112/10 113/6 127/24</p> <p>difficulties [3] 85/8 88/16 97/4</p> <p>dignified [1] 105/20</p> <p>dinner [1] 42/5</p> <p>dinosaur [1] 42/5</p> <p>direct [4] 28/21 37/23 63/14 123/16</p> <p>directing [1] 7/11</p> <p>direction [5] 19/19 93/13 111/3 118/6 118/15</p> <p>directly [7] 28/19 36/23 54/22 67/18 71/5 117/16 126/2</p> <p>director [14] 3/19 4/8 4/14 4/15 4/20 6/15 14/10 17/6 19/23 46/5 86/22 89/24 90/1 90/9</p> <p>director [1] 14/2</p> <p>directors [2] 87/6 87/15</p> <p>disabled [1] 9/19</p> <p>discarded [1] 95/7</p> <p>discharge [1] 101/22</p> <p>disciplinary [1] 19/21</p> <p>discipline [1] 123/15</p> <p>disclosed [1] 127/17</p> <p>disconnect [1] 48/1</p> <p>discovering [1] 106/17</p> <p>discuss [8] 4/25 17/16 38/18 53/4 53/12 54/16 55/23 72/19</p> <p>discussed [21] 30/18 30/24 31/5 31/7 36/14 37/8 38/1 54/5 54/11 55/19 64/15 66/24 68/19 70/9 70/22 70/22 81/5 82/18 90/16 104/8 111/4</p> <p>discussing [5] 46/9 56/25 74/15 84/7 88/22</p> <p>discussion [18] 37/20 40/5 41/22 46/19 46/25 47/3 54/23 55/15 60/21 70/1 70/3 71/4 73/1 77/21 84/14 88/1 91/10 106/17</p> <p>discussions [19] 29/2 46/6 47/10 50/24 56/3 56/8 58/2 71/4 71/18 71/23 72/7 77/1 77/9 77/19 78/16 90/12 91/16 111/14 112/1</p> <p>disease [7] 5/20 40/12 40/16 40/18</p>	<p>40/23 44/25 119/3</p> <p>diseases [2] 61/3 61/8</p> <p>disengagement [3] 72/13 73/4 112/20</p> <p>disorder [10] 63/16 70/8 79/5 80/10 116/22 119/16 119/19 119/23 122/20 124/5</p> <p>disorders [13] 3/15 4/1 4/12 14/24 15/18 15/25 32/3 38/18 42/16 43/12 44/1 95/17 119/17</p> <p>disposed [1] 92/2</p> <p>distress [1] 64/21</p> <p>distressing [3] 34/19 86/1 112/9</p> <p>dividers [1] 94/14</p> <p>dividing [1] 70/4</p> <p>divvied [1] 70/2</p> <p>do [68] 1/19 9/25 10/2 10/17 24/10 26/19 28/6 28/19 29/5 29/7 31/8 31/15 32/13 33/17 34/21 35/8 38/3 38/20 40/1 44/4 47/24 48/2 51/22 57/10 59/2 60/10 62/19 63/22 73/6 73/12 74/11 79/14 79/25 80/9 81/11 81/12 81/19 81/20 82/20 83/23 90/24 91/20 100/13 101/12 101/19 102/6 106/19 109/4 109/4 109/4 109/4 109/15 114/12 114/16 115/2 116/6 116/15 117/10 117/10 118/13 119/1 120/13 120/13 121/7 124/3 124/8 125/25 127/13</p> <p>do-not-attend [1] 26/19</p> <p>doctor [9] 9/14 11/9 20/17 38/25 39/1 65/10 113/7 113/12 122/1</p> <p>doctors [1] 7/21</p> <p>document [6] 12/9 13/2 13/6 13/12 19/9 87/3</p> <p>documentation [4] 55/3 55/4 62/11 102/17</p> <p>documents [2] 2/8 101/8</p> <p>does [9] 1/18 9/4 31/7 32/5 34/3 63/9 91/14 115/4 121/7</p> <p>doesn't [2] 111/22</p>
--	--	--	--	--	--

<p>D</p> <p>doesn't... [1] 120/11</p> <p>doing [15] 35/3 41/11 47/11 50/7 51/12 53/5 53/16 53/16 54/18 84/16 91/8 91/22 92/1 97/7 124/3</p> <p>don't [12] 21/5 30/6 35/7 47/12 48/1 61/7 91/20 109/1 109/6 119/15 125/1 125/1</p> <p>donated [1] 5/17</p> <p>done [29] 6/16 14/20 16/14 16/25 17/8 22/24 23/5 23/5 26/14 38/9 38/22 39/16 40/3 44/6 55/7 66/1 73/9 83/1 84/17 85/2 91/19 91/21 91/23 102/21 112/22 125/23 126/8 126/9 126/9</p> <p>donors [1] 49/17</p> <p>dose [1] 47/24</p> <p>doses [2] 48/23 96/23</p> <p>doses and [1] 96/23</p> <p>double [1] 43/18</p> <p>double-check [1] 43/18</p> <p>doubt [1] 92/3</p> <p>down [8] 22/8 26/2 63/6 67/13 67/14 87/6 101/9 125/25</p> <p>Dr [80] 1/3 2/14 2/16 2/19 3/20 6/9 6/11 6/12 9/15 9/16 11/9 11/21 12/11 13/5 15/15 15/17 15/21 15/22 20/25 21/9 22/7 23/17 24/3 35/9 35/11 43/9 57/11 57/17 57/20 58/21 59/22 59/25 60/7 60/17 60/25 62/18 62/21 65/2 65/5 67/16 67/20 67/25 68/25 69/21 69/24 70/1 70/10 70/13 70/25 71/5 71/21 72/7 77/20 78/16</p> <p>Dr McNulty [2] 22/7 57/11</p> <p>Dr Orla McNulty [2] 9/15 11/9</p> <p>Dr Paul [1] 11/21</p> <p>Dr Peter Coyle [1] 62/18</p> <p>Dr Quah [3] 59/25 60/17 60/25</p> <p>Dr Quah's [1] 60/7</p> <p>Dr Say [1] 59/22</p> <p>Dr Wilde [1] 24/3</p> <p>drafted [2] 30/3 90/2</p> <p>dried [1] 98/17</p> <p>drive [1] 123/14</p> <p>drug [1] 75/10</p> <p>drug-specific [1] 75/10</p> <p>drugs [3] 78/1 78/13 109/9</p> <p>due [1] 54/9</p> <p>duration [1] 27/11</p> <p>during [2] 5/1 6/7 6/25 9/8 11/11 14/17 18/2 22/3 25/21 28/16 28/18 29/14 33/11 36/8 66/10 99/23</p> <p>Dr Anderson [3] 20/25 99/11 99/19</p> <p>Dr Anderson's highlighted [1] 96/19</p> <p>Dr Benson [18] 1/3 2/14 2/19 12/11 13/5 43/9 57/17 58/21 69/21 81/13 87/11 95/11 106/23 108/6 114/15 115/12 115/16 123/10</p> <p>Dr Benson's [2] 117/16 123/9</p> <p>Dr Charlene Neill [1] 9/16</p> <p>Dr Chris [1] 23/17</p> <p>Dr Harper [2] 15/17 15/21</p> <p>Dr Horn [1] 15/15</p> <p>Dr Hunter [1] 15/22</p> <p>Dr Jones [2] 103/17 104/2</p> <p>Dr Julia [1] 92/14</p> <p>Dr Mayne [4] 62/21 103/16 104/1 104/11</p> <p>Dr Mayne's [1] 21/9</p> <p>Dr McCartney [1] 35/11</p> <p>Dr McCauley [1] 35/9</p> <p>Dr McDougall [15] 65/5 67/16 67/20 67/25 68/25 69/24 70/1 70/10 70/13 70/25 71/5 71/21 72/7 77/20 78/16</p> <p>E</p> <p>each [4] 17/24 53/11 72/17 108/16</p> <p>ear [1] 1/17</p> <p>earlier [6] 15/4 53/7 68/23 82/12 85/22 92/6</p> <p>earliest [1] 101/23</p> <p>early [5] 5/6 71/6 77/14 101/24 117/21</p> <p>ease [1] 124/3</p> <p>easier [1] 38/11</p> <p>easily [1] 97/23</p> <p>easing [1] 128/19</p> <p>Easter [2] 125/11 128/15</p> <p>eaten [1] 113/22</p> <p>Edinburgh [14] 3/8 4/3 4/5 6/7 6/13 6/16 6/18 8/10 14/18 15/13 16/14 16/18 17/12 18/3</p> <p>education [1] 69/13</p> <p>educational [5] 41/22 42/3 42/7 108/23 109/3</p> <p>effect [1] 112/11</p> <p>effective [1] 47/9</p> <p>effectively [1] 118/4</p> <p>effects [9] 58/6 60/15 67/4 72/11 75/8 75/25 76/20 77/2 85/14</p> <p>Egress [2] 101/1 101/21</p> <p>eight [1] 2/2</p> <p>either [11] 28/20 38/25 44/25 71/21 73/15 74/3 90/14 91/25 92/25 93/1 98/11</p> <p>elbow [1] 118/11</p> <p>electronic [1] 55/8</p> <p>element [3] 32/4 86/4 120/14</p> <p>eligible [1] 77/17</p> <p>else [5] 1/23 9/13 29/2 71/20 123/11</p> <p>elsewhere [2] 98/22 98/22</p> <p>embedded [2] 26/22 76/11</p> <p>emergencies [1] 34/4</p> <p>emergency [14] 18/11 34/2 34/5 37/12 37/14 37/16 37/20 37/21 37/23 92/4 121/15 121/16 121/20 121/22</p> <p>Emergency Department [3] 37/14</p> <p>100/1 102/7 104/11 124/7 126/25</p> <p>37/16 121/22</p> <p>emotional [3] 116/25 120/14 120/21</p> <p>empty [1] 114/7</p> <p>en [1] 66/15</p> <p>en masse [1] 66/15</p> <p>enabling [1] 84/20</p> <p>encourage [1] 106/7</p> <p>encouraged [2] 105/6 116/13</p> <p>encouraging [1] 128/6</p> <p>end [7] 14/18 41/25 87/10 124/19 125/12 127/4 128/14</p> <p>endeavours [1] 59/12</p> <p>endoscopists [1] 90/23</p> <p>endoscopy [1] 89/7</p> <p>energetic [1] 124/12</p> <p>engage [2] 14/5 40/3</p> <p>engaged [2] 31/14 32/18</p> <p>engagement [1] 18/9</p> <p>engaging [1] 26/18</p> <p>England [1] 45/25</p> <p>enhance [1] 124/7</p> <p>enhanced [3] 47/4 50/12 62/24</p> <p>enhancement [1] 78/3 128/18</p> <p>enjoy [2] 128/18 128/18</p> <p>enough [3] 88/3 115/2 115/4</p> <p>ensure [10] 28/3 29/18 51/4 51/5 60/7 62/19 73/7 89/16 90/22 90/24</p> <p>ensuring [1] 60/10</p> <p>entered [1] 43/18</p> <p>enthusiasm [1] 124/12</p> <p>entire [2] 33/12 112/15</p> <p>entirely [2] 20/8 30/21</p> <p>envelope [1] 16/15</p> <p>environment [3] 119/5 119/5 119/6</p> <p>epidemic [3] 57/15 57/22 57/25</p> <p>equally [7] 37/19 43/22 48/15 84/10 84/15 91/3 102/16</p> <p>equivalent [3] 24/2 27/7 127/15</p> <p>eradication [1] 72/10</p> <p>Erskine [1] 96/7</p> <p>essence [1] 36/4</p> <p>establish [1] 62/10</p> <p>established [8] 8/24 27/14 65/4 71/25 86/4 89/2 102/13 104/10</p> <p>establishing [2] 22/5 71/6</p> <p>establishment [1] 19/14</p> <p>ethical [1] 126/16</p> <p>Europe [1] 63/19</p> <p>even [10] 5/5 48/12 48/24 61/7 65/22 68/4 70/16 84/21 106/8 107/2</p> <p>event [2] 58/7 88/1</p> <p>events [2] 31/4 57/12</p> <p>ever [9] 21/7 24/1 24/9 30/18 30/23 53/22 104/25 107/13 114/12</p> <p>every [5] 15/3 38/21 73/5 114/3 114/7</p> <p>everybody [3] 20/13 113/10 123/6</p> <p>everybody's [1] 18/1</p> <p>everything [3] 71/19 98/24 111/23</p> <p>evidence [26] 1/20 1/21 2/12 7/20 45/22 59/13 83/20 85/4 85/22 92/6 92/13 97/2 99/7 100/6 104/24 107/9 117/22 124/13 124/15 125/6 125/22 126/14 126/19 126/20 126/23 127/23</p> <p>exacerbate [1] 73/4</p> <p>exacerbation [1] 75/2</p> <p>exactly [4] 25/12 59/21 96/5 124/23</p> <p>example [7] 14/23 30/10 53/23 54/6 57/10 91/10 98/2</p> <p>excellent [1] 94/11</p> <p>exceptional [1] 117/9</p> <p>exceptionally [4] 15/14 15/22 17/4 105/19</p> <p>excited [1] 17/4</p> <p>excitement [1] 18/4</p> <p>exercise [8] 62/14 87/8 92/15 98/10 100/4 101/12 102/4 106/14</p> <p>exhibition [1] 42/5</p> <p>existence [1] 102/9</p> <p>existing [1] 22/11</p> <p>exists [1] 1/16</p> <p>expand [2] 19/25 112/12</p> <p>expanding [1] 47/5</p> <p>expansion [1] 123/18</p> <p>expect [2] 96/13 115/3</p> <p>expectation [2] 39/12 39/14</p> <p>expected [1] 112/24</p> <p>experience [8] 6/23 28/5 36/7 57/25 63/4 68/11 115/25 116/19</p> <p>experienced [2] 44/22 91/2</p> <p>experiences [1] 115/16</p> <p>expertise [1] 19/25</p> <p>expertise ... to [1] 19/25</p> <p>explain [6] 34/1 49/14 49/24 53/16 53/20 117/4</p> <p>explained [2] 54/13 64/22</p> <p>explaining [2] 50/6 50/13</p> <p>explanation [1] 99/20</p> <p>explore [2] 71/6 71/15</p> <p>express [1] 64/3</p> <p>expressed [1] 87/9</p> <p>expression [1] 118/21</p> <p>extended [3] 61/16 102/23 107/24</p> <p>extending [1] 59/11</p> <p>extends [1] 120/23</p> <p>extensive [1] 59/14</p> <p>extensively [1] 34/16</p> <p>external [1] 109/17</p> <p>extra [3] 50/15 73/11 110/19</p> <p>F</p> <p>face [11] 28/24 28/24 40/9 40/9 72/18 72/18 74/25 75/17 100/6 103/4 103/4</p> <p>face-to-face [3] 28/24 72/18 103/4</p> <p>faced [3] 40/25 96/24 122/13</p> <p>facilitate [1] 42/8</p> <p>facilitated [3] 7/17 9/10 81/7</p> <p>facilities [2] 8/14 127/2</p> <p>facing [1] 76/22</p> <p>fact [11] 29/8 72/8 76/20 77/21 90/4 90/10 91/12 107/13 112/16 116/8 118/14 18/23 18/25 22/21 23/2 25/20 37/15 37/21 44/15 44/18 44/20 44/23 44/24 45/2 45/4 45/11 45/19 47/1 47/2 47/4 48/9 48/22 49/2 49/16 50/14 50/16 51/24 51/24 52/21 79/6</p>					
---	--	--	--	--	--

<p>F</p> <p>factor... [11] 108/17 110/3 110/4 114/4 122/4 122/8 122/12 122/22 122/23 123/3 123/21</p> <p>Factor IX [5] 44/18 44/20 44/23 44/24 51/24</p> <p>Factor VIII [8] 44/15 47/1 47/2 50/16 51/24 108/17 110/4 122/4</p> <p>factors [3] 25/4 54/16 72/2</p> <p>failed [1] 125/2</p> <p>fallen [2] 24/4 69/8</p> <p>familial [1] 119/5</p> <p>familiar [3] 35/15 35/16 49/12</p> <p>familiarising [1] 96/18</p> <p>families [19] 42/8 62/23 100/23 101/6 101/10 103/4 105/5 105/18 106/24 107/13 107/18 107/21 107/21 111/5 113/19 115/24 115/24 120/17 124/2</p> <p>families' [1] 123/17</p> <p>family [17] 29/17 41/1 41/17 42/13 73/14 73/23 85/1 103/6 104/7 106/9 106/12 107/1 107/12 107/24 108/14 110/25 120/24</p> <p>far [7] 10/4 59/6 80/23 97/10 105/17 121/6 121/6</p> <p>father [1] 106/20</p> <p>fathers [1] 117/5</p> <p>fathom [1] 118/22</p> <p>fatigue [1] 85/12</p> <p>fault [1] 113/24</p> <p>fear [1] 83/22</p> <p>February [4] 3/5 3/8 4/5 11/16</p> <p>February 2003 [1] 3/5</p> <p>February 2007 [1] 3/8</p> <p>February 2008 [2] 4/5 11/16</p> <p>fed [1] 99/6</p> <p>Federation [2] 87/21 87/23</p> <p>feedback [4] 26/13 29/6 30/24 41/8</p> <p>feel [10] 30/6 41/7 48/13 48/23 68/4 84/24 110/10 112/10 117/10 128/12</p> <p>feeling [4] 53/6 76/2 86/3 112/8</p> <p>feelings [1] 19/5</p>	<p>feels [1] 29/14</p> <p>felt [13] 44/20 68/13 71/8 71/12 72/24 72/25 77/24 86/11 86/18 105/11 105/19 106/23 127/14</p> <p>female [1] 43/16</p> <p>fetoprotein [2] 52/9 79/19</p> <p>few [3] 23/24 105/10 125/21</p> <p>fi [1] 12/18</p> <p>FibroScan [14] 80/20 81/5 81/12 81/20 81/21 82/15 82/19 83/5 83/13 84/8 84/10 84/12 84/19 84/20</p> <p>FibroScanning [1] 82/10</p> <p>FibroScans [1] 80/19</p> <p>figure [1] 43/11</p> <p>figures [9] 31/13 42/14 43/5 43/10 43/25 44/4 44/5 44/7 44/8</p> <p>file [2] 100/7 100/8</p> <p>filed [8] 94/15 95/16 98/3 98/4 98/10 99/17 101/15 102/18</p> <p>files [4] 100/8 100/22 101/18 102/1</p> <p>filing [9] 61/16 94/12 95/21 97/25 100/19 100/25 101/18 103/9 105/4</p> <p>final [4] 3/25 12/5 110/9 128/6</p> <p>financial [2] 59/11 126/14</p> <p>financially [1] 3/23</p> <p>find [11] 34/25 52/5 52/6 59/13 62/11 66/25 93/20 96/16 98/11 98/18 101/5</p> <p>finding [4] 29/9 75/22 97/22 119/7</p> <p>fine [2] 12/17 128/16</p> <p>finished [1] 36/18</p> <p>first [24] 2/19 12/2 22/4 22/6 24/1 35/23 38/19 38/21 41/17 49/13 63/21 64/2 64/16 65/15 66/5 69/14 92/18 97/23 98/20 103/19 119/15 125/19 126/22 127/12</p> <p>firsthand [1] 75/13</p> <p>firstly [3] 5/1 81/11 81/18</p> <p>five [2] 10/9 83/14</p> <p>five-year [1] 10/9</p> <p>fix [2] 113/6 113/8</p>	<p>flat [1] 46/3</p> <p>floor [2] 8/25 9/1</p> <p>flu [1] 76/1</p> <p>flu-like [1] 76/1</p> <p>fluid [1] 34/12</p> <p>focus [5] 14/22 15/9 15/10 16/8 124/17</p> <p>focusing [1] 15/11</p> <p>folders [1] 100/18</p> <p>Folk [1] 41/23</p> <p>follow [11] 6/22 22/23 38/4 40/16 44/5 66/3 69/8 69/9 69/12 81/9 82/5</p> <p>follow-up [7] 6/22 22/23 66/3 69/8 69/9 69/12 81/9</p> <p>followed [6] 18/15 29/5 38/2 70/21 72/16 94/12</p> <p>following [3] 36/19 40/8 50/1</p> <p>fondly [1] 21/15</p> <p>fore [1] 56/9</p> <p>forget [4] 113/16 114/6 124/1 127/11</p> <p>form [3] 65/15 89/16 91/9</p> <p>formal [3] 26/21 54/1 92/9</p> <p>forms [1] 90/21</p> <p>fortnightly [1] 15/25</p> <p>fortunate [3] 5/13 9/20 10/4</p> <p>forward [6] 14/16 14/17 74/23 85/15 98/13 125/12</p> <p>forwarded [1] 16/18</p> <p>found [18] 7/15 14/13 61/15 61/25 65/6 68/7 76/19 88/4 94/17 97/20 98/6 98/21 99/1 99/1 100/15 103/2 105/8 107/7</p> <p>Foundation [3] 41/17 41/21 108/14</p> <p>founded [1] 42/11</p> <p>four [7] 11/16 21/1 24/17 24/20 75/22 110/5 126/15</p> <p>frame [3] 66/10 75/19 104/12</p> <p>Frank [1] 36/6</p> <p>frankly [1] 98/14</p> <p>Fraser [3] 2/3 2/17 129/3</p> <p>freeze [2] 33/7 104/4</p> <p>frequency [3] 29/1 48/24 51/20</p> <p>Friday [5] 15/6 15/16 38/20 38/21 40/10</p> <p>friends [1] 117/4</p>	<p>from [133]</p> <p>front [6] 96/17 96/22 99/18 101/15 102/15 105/19</p> <p>froze [1] 57/23</p> <p>frozen [3] 32/21 57/16 81/13</p> <p>fruits [1] 126/11</p> <p>full [12] 2/1 2/2 3/16 10/17 11/12 24/24 51/17 52/20 67/20 71/10 83/19 127/16</p> <p>full-time [3] 3/16 11/12 24/24</p> <p>fully [4] 30/13 31/14 42/13 124/6</p> <p>function [10] 5/24 51/22 51/23 52/20 52/21 78/9 82/6 83/18 84/18 84/21</p> <p>fund [4] 59/9 102/5 102/23 108/20</p> <p>funding [7] 23/7 23/14 24/22 25/1 108/11 108/13 108/21</p> <p>funding and [1] 23/14</p> <p>further [17] 5/11 8/18 18/3 22/8 24/14 37/19 42/2 42/3 55/23 66/18 67/14 71/3 73/4 77/19 114/15 114/18 127/14</p> <p>furthered [1] 7/17</p> <p>furthering [1] 123/22</p> <p>future [2] 126/12 126/13</p>	<p>G</p> <p>gaining [1] 6/22</p> <p>gaps [3] 96/12 96/14 96/15</p> <p>garnered [1] 114/22</p> <p>GARY [7] 2/16 98/2 98/5 98/6 98/7 98/9 129/2</p> <p>gatekeeping [2] 84/17 84/23</p> <p>gauge [1] 88/8</p> <p>gave [2] 62/12 77/6</p> <p>GB [2] 87/10 87/13</p> <p>general [7] 14/8 14/23 72/14 74/13 86/12 87/25 90/24</p> <p>generally [6] 8/1 34/6 38/20 75/18 76/2 76/19</p> <p>generated [1] 44/6</p> <p>generation [2] 47/1 47/1</p> <p>genetic [2] 11/22 56/1</p> <p>genotype [1] 62/7</p> <p>gentleman [1] 63/17</p> <p>gentlemen [2] 1/13</p>	<p>52/14</p> <p>genuine [1] 125/5</p> <p>geographical [1] 110/13</p> <p>get [24] 10/13 11/23 12/15 29/5 31/7 35/3 39/16 48/23 49/16 62/23 64/16 75/20 80/4 80/4 81/5 81/23 91/19 105/22 113/22 113/25 114/5 116/19 119/24 123/15</p> <p>gets [1] 30/23</p> <p>getting [3] 53/13 91/11 95/19</p> <p>GGCL0000222 [1] 87/3</p> <p>gifts [1] 109/16</p> <p>girls [1] 99/23</p> <p>give [12] 1/20 1/22 22/4 31/13 43/25 46/10 46/11 49/3 75/7 107/12 115/4 126/23</p> <p>given [23] 1/21 13/16 16/16 37/8 43/9 43/10 44/8 68/2 69/22 73/2 75/11 75/19 77/21 90/10 108/10 110/12 111/13 112/5 115/16 116/7 116/11 126/17 126/19</p> <p>gives [3] 46/24 47/2 52/3</p> <p>giving [5] 2/12 26/10 43/2 75/6 84/19</p> <p>glad [1] 114/6</p> <p>global [1] 110/1</p> <p>globe [2] 111/21 112/6</p> <p>go [34] 3/11 21/22 22/5 25/6 27/22 34/17 38/24 47/15 48/18 53/1 53/10 53/15 53/19 55/10 55/19 59/9 60/23 84/2 87/6 89/11 90/10 91/6 94/17 97/19 98/17 101/4 111/10 111/13 116/13 118/13 118/16 118/24 121/1 125/1</p> <p>goal [1] 15/1</p> <p>goals [3] 18/14 31/17 34/21</p> <p>goes [2] 14/11 29/2</p> <p>going [32] 1/20 2/22 9/9 12/8 16/1 16/24 18/16 21/4 23/2 25/23 26/3 41/8 41/9 41/11 46/10 46/22 47/12 49/24 49/25 53/2 55/14 73/6 74/10 75/14 76/21 84/7</p>	<p>98/20 102/5 106/18 113/15 118/9 118/12</p> <p>gone [10] 14/5 27/9 31/10 35/16 36/21 112/9 112/23 113/9 114/5 114/13</p> <p>good [12] 1/3 1/5 1/8 2/19 17/7 58/9 73/20 74/7 94/13 105/15 105/24 115/20</p> <p>got [6] 10/4 22/22 25/1 105/25 107/3 113/24</p> <p>Government [2] 126/22 127/7</p> <p>GP [5] 51/2 55/6 76/17 90/19 90/21</p> <p>GPs [1] 90/19</p> <p>grading [1] 22/8</p> <p>grandson [2] 104/14 106/15</p> <p>great [2] 14/15 84/24</p> <p>greater [1] 47/7</p> <p>green [1] 114/11</p> <p>group [13] 4/24 14/6 23/22 38/11 42/12 83/4 87/6 89/3 89/5 89/10 93/14 103/6 116/18</p> <p>groups [3] 81/10 81/18 102/12</p> <p>grown [2] 20/11 20/12</p> <p>guard [1] 109/5</p> <p>guidance [1] 126/16</p> <p>GUM [1] 61/4</p>	<p>H</p> <p>had [242]</p> <p>hadn't [1] 21/17</p> <p>haematological [1] 122/3</p> <p>haematologist [4] 4/11 35/12 54/2 122/2</p> <p>haematology [19] 3/5 4/19 5/12 8/19 8/22 9/1 14/2 15/20 23/9 23/19 35/24 36/5 36/10 37/7 76/15 79/8 94/23 95/21 95/21</p> <p>haemoglobin [1] 51/17</p> <p>haemophilia [107] 3/17 3/22 4/9 4/14 6/21 8/23 9/22 10/6 10/16 10/21 10/24 10/25 14/1 15/6 15/7 15/9 16/9 18/17 18/24 19/24 22/11 22/17 22/19 23/12 23/25 24/7 24/20 24/21 24/23 24/24 29/7 35/20 36/3 36/8 36/13</p>
---	---	---	---	---	---	--	---

H	82/25 93/1	64/18 78/24 83/20	80/12 81/23	home [7] 15/6 18/21	I
haemophilia... [72]	hard [1] 125/23	85/4 97/2 107/9 120/9	her [17] 6/13 11/11	18/23 19/1 63/18	I also [2] 108/1 128/1
38/19 38/19 39/13	Harper [2] 15/17	hearing [1] 125/13	19/25 21/15 65/2	66/19 107/23	I am [6] 12/16 59/15
39/13 39/19 39/20	15/21	hearings [7] 125/14	94/18 99/13 105/8	hope [6] 1/6 1/7	81/24 112/1 113/17
39/23 40/15 41/5 41/7	has [78] 1/7 1/7 1/8	126/12 126/24 127/3	105/9 105/10 105/13	117/19 124/3 128/12	128/5
42/11 42/18 42/22	2/2 9/7 13/9 14/10	127/16 128/14 128/24	106/17 106/20 107/3	128/17	I arrived [2] 13/22
43/4 43/4 43/6 43/6	16/9 19/22 19/25	held [4] 55/8 96/1	107/4 107/6 119/20	hopefully [2] 57/17	65/9
43/22 44/2 44/6 44/14	20/11 23/18 23/19	122/15 123/6	here [5] 1/8 1/25	81/14	I became [1] 64/5
44/17 46/4 46/16	26/5 26/17 26/19	Helen [1] 24/17	32/12 125/6 127/2	Horn [1] 15/15	I believed [1] 104/17
52/18 57/6 59/24 60/1	28/10 28/16 29/3 30/3	help [9] 26/3 27/12	hierarchical [1] 7/6	hospital [38] 1/9 8/20	I came [1] 106/9
60/5 60/17 61/1 61/6	30/9 30/10 30/15 31/1	31/2 73/12 73/16 97/1	high [4] 15/15 15/20	8/21 8/25 9/9 9/13	I can [6] 1/5 2/21 20/8
62/21 65/4 65/10	37/12 41/2 42/11	97/5 104/19 126/9	23/20 113/7	21/14 21/17 25/13	113/8 116/22 122/1
65/13 66/4 68/18	44/17 45/14 47/5	helped [1] 26/18	high-risk [1] 15/15	25/22 26/11 32/14	I can't [4] 14/3 64/19
69/10 69/15 71/16	47/20 56/18 60/8 65/3	helpful [4] 16/6 31/6	highlight [6] 17/7	33/15 34/2 36/5 36/9	113/8 114/6
77/22 78/10 79/10	68/5 80/20 81/7 81/13	104/12 127/18	17/19 72/20 108/4	37/11 37/14 37/18	I cannot [1] 113/8
79/21 79/25 80/7	81/22 83/14 92/8	helpfully [1] 22/25	116/16 122/19	39/15 67/17 68/5	I certainly [3] 14/4
80/17 82/4 83/3 83/6	92/23 93/10 93/20	helpline [3] 37/3 37/4	highlighted [18] 13/8	68/14 69/8 90/20 93/9	20/10 78/15
83/11 87/6 87/15	95/14 97/12 101/23	38/1	13/16 54/12 56/9 84/6	94/24 94/25 95/5 96/1	I constructed [1]
87/21 87/23 88/2	106/15 108/11 108/13	helps [1] 80/24	85/12 85/23 90/3	97/11 99/3 118/17	15/19
88/13 88/23 90/4	109/15 109/18 111/2	hepatitis [49] 5/4 5/10	90/22 92/16 92/23	119/6 120/5 122/9	I contacted [1] 88/7
93/14 94/24 95/3	111/9 111/13 111/18	5/20 5/25 49/18 50/4	96/19 96/22 97/14	122/9 122/10	I could [2] 114/8
95/15 95/23 107/5	111/21 111/22 112/5	52/8 52/11 54/4 54/18	103/7 107/19 108/15	Hospital and [1]	114/11
108/20 110/11 121/9	112/6 112/9 112/11	57/6 57/8 57/13 57/15	116/16	122/9	I couldn't [1] 16/25
123/12 126/15 126/20	112/23 113/9 114/10	57/22 58/1 59/7 59/13	highlighted in [1]	hospital's [2] 19/1	I decide [1] 118/8
haemophilia A [9]	114/13 115/14 119/21	61/10 61/12 61/17	13/16	122/12	I did [4] 7/1 41/7
38/19 39/13 42/18	119/21 120/9 121/8	61/20 61/22 63/4	highlighting [1] 57/1	hospitals [3] 31/24	66/25 100/11
42/22 43/4 43/4 44/2	122/23 122/24 123/18	63/16 63/20 64/10	him [8] 7/15 60/3 60/4	32/5 123/1	I didn't [2] 100/12
44/14 121/9	125/5 125/24 127/22	65/2 65/13 66/14	60/10 76/8 87/22	hour [4] 38/4 58/12	114/9
haemophilia B [5]	127/23	66/20 70/23 72/3	114/8 119/20	115/1 115/7	I do [6] 31/15 116/6
38/19 39/13 43/6 43/6	hasn't [2] 28/6 63/16	72/10 72/21 73/7 75/2	himself [1] 122/2	hours [9] 17/20 24/3	116/15 117/10 117/10
44/17	have [326]	78/3 80/23 81/1 81/2	hip [1] 118/11	35/22 35/24 36/12	125/25
haemophilia-related	haven't [6] 41/10 82/1	82/10 83/22 85/6	his [19] 7/14 7/18	36/25 38/13 51/4 52/4	I don't [4] 21/5 61/7
[1] 15/9	82/16 98/21 107/1	85/14 103/8 103/14	7/18 8/8 23/19 44/21	house [3] 3/1 8/22	109/1 125/1
Haemtrack [1] 48/21	117/15	107/11 111/6	44/22 59/23 59/25	96/7	I Dr Anderson's [1]
half [9] 23/18 47/3	having [24] 14/18	hepatitis B [1] 50/4	60/4 63/18 66/17	houses [1] 117/1	94/2
47/4 50/12 58/12	17/2 26/2 35/4 39/22	hepatitis C [38] 5/4	70/11 76/7 87/16	how [64] 7/24 7/25	I expect [1] 115/3
67/16 83/15 115/1	48/1 48/3 57/25 63/13	5/20 52/8 52/11 57/6	88/13 90/5 90/5 122/3	11/23 16/21 16/21	I found [3] 7/15 103/2
115/7	68/22 70/19 76/5	57/8 57/13 57/15	historical [4] 36/4	20/18 21/8 21/9 25/19	105/8
half-an-hour [2] 58/12	78/12 86/7 89/12 93/9	57/22 58/1 59/7 59/13	96/6 99/17 100/16	25/22 26/3 26/3 26/6	I generally [1] 76/19
115/1	107/6 107/11 111/11	61/10 61/12 61/17	historically [11] 20/24	26/20 27/22 28/12	I get [1] 116/19
half-life [1] 50/12	115/23 115/24 116/4	61/20 61/22 63/4	21/8 56/5 57/3 61/13	29/8 31/3 31/8 32/5	I got [1] 105/25
halfway [1] 67/13	116/24 122/2	63/16 63/20 64/10	63/11 64/14 83/12	34/9 34/23 36/25 37/1	I had [21] 14/20 15/16
halls [1] 41/23	HCV [2] 67/15 67/19	65/13 66/14 66/20	122/11 122/25 123/2	38/15 39/11 40/5 46/7	15/24 16/7 22/24
handed [3] 11/8 35/12	he [19] 7/6 7/16 8/2	72/3 72/10 72/21 73/7	histories [1] 103/11	51/14 51/16 53/1 53/6	26/25 41/22 59/11
109/1	23/18 44/21 44/23	75/2 78/3 80/23 81/1	history [11] 6/13	57/12 59/17 60/10	62/14 62/18 62/25
handwriting [2] 62/5	57/18 60/8 60/17	82/10 85/6 85/14	51/13 52/10 53/1	60/19 64/23 64/24	64/12 70/3 71/8 72/18
63/8	63/17 63/18 63/19	103/8 103/14 107/11	54/14 71/11 76/24	69/4 70/15 70/20	74/4 89/25 100/15
handwritten [2] 86/21	81/14 87/13 88/3 88/5	hepatologist [3]	90/21 96/18 96/20	79/25 82/1 83/23 85/8	102/11 102/14 124/24
94/10	105/10 105/14 119/1	65/10 68/12 71/7	114/2	89/4 89/15 90/16	I have [12] 26/14 44/7
happen [6] 86/14	head [1] 62/17	hepatologists [1]	HIV [19] 5/4 5/10	91/16 99/12 102/25	45/14 96/8 106/18
86/14 121/5 121/6	heading [3] 13/13	80/3	49/18 54/3 54/18 57/5	107/7 107/15 107/18	108/14 112/22 112/22
121/7 122/5	14/8 87/7	hepatology [28] 13/9	57/7 57/13 58/1 58/23	107/21 114/13 117/25	114/15 116/2 118/18
happened [7] 33/12	health [11] 4/16 13/25	65/3 65/6 65/20 66/1	58/25 59/7 59/17	118/1 119/21 119/21	123/8
105/3 111/14 112/5	73/22 86/9 89/8 89/13	66/17 66/21 69/14	59/22 100/22 102/12	119/22 120/1 124/20	I haven't [2] 41/10
113/19 113/21 113/24	89/23 90/2 97/12	70/17 70/24 77/10	111/5 113/24 113/25	128/9	82/16
happening [1] 33/2	110/20 123/19	77/20 78/21 79/14	HIV virus [1] 5/10	how's [1] 38/15	I hope [4] 1/6 1/7
happens [5] 1/17	healthcare [7] 21/18	79/18 80/16 80/18	hodgepodge [1]	however [2] 32/16	117/19 128/17
90/19 121/5 121/24	39/9 53/10 55/9 55/12	80/21 81/6 81/8 82/8	101/25	49/12	I imagine [1] 114/19
125/16	109/20 123/13	82/17 82/21 82/24	holder [2] 23/14 25/3	hub [2] 123/4 123/5	I interviewed [1] 28/1
happy [7] 18/13 24/8	hear [6] 1/4 2/7 2/20	84/9 84/14 84/17 85/1	holidays [1] 117/1	Hunter [1] 15/22	I just [12] 13/5 67/8
24/10 30/14 36/23	126/18 127/7 128/13	hepatoma [7] 65/18	holistic [4] 60/11		69/19 81/10 81/17
	heard [9] 7/19 58/21	79/16 79/23 80/1 80/2	119/4 123/22 124/23		

<p>I</p> <p>I just... [7] 93/24 105/11 105/18 113/1 115/14 125/10 127/24</p> <p>I know [3] 86/1 96/6 97/14</p> <p>I left [1] 8/16</p> <p>I may [2] 113/10 124/14</p> <p>I mean [1] 56/18</p> <p>I meet [1] 49/13</p> <p>I met [3] 17/4 63/2 64/2</p> <p>I move [1] 93/6</p> <p>I moved [1] 94/21</p> <p>I often [2] 113/3 118/6</p> <p>I previously [1] 40/14</p> <p>I recognise [1] 127/25</p> <p>I refer [1] 99/17</p> <p>I reflected [1] 112/21</p> <p>I remain [1] 38/10</p> <p>I remember [4] 73/14 92/13 105/7 113/10</p> <p>I required [1] 16/4</p> <p>I said [2] 62/14 72/23</p> <p>I say [3] 13/11 81/1 113/17</p> <p>I see [1] 125/4</p> <p>I shall [1] 127/11</p> <p>I should [2] 1/18 128/11</p> <p>I stand [1] 114/2</p> <p>I started [5] 8/21 15/5 40/3 63/11 111/10</p> <p>I still [1] 106/11</p> <p>I suppose [5] 56/15 86/17 110/16 118/2 122/7</p> <p>I think [104] 1/8 7/7 7/12 17/5 18/9 18/10 18/13 18/14 21/11 21/18 21/19 23/4 26/1 26/8 26/9 26/17 27/14 27/24 29/15 30/21 30/21 31/11 34/16 45/15 46/20 47/24 50/13 51/13 51/14 56/22 57/14 58/1 58/4 60/14 61/13 64/6 68/13 68/17 69/2 69/9 71/19 73/21 74/6 74/20 74/22 74/22 75/13 75/25 76/23 77/6 83/14 84/1 85/9 86/2 86/4 86/7 86/12 87/19 97/21 98/14 98/18 98/23 101/22 103/3 105/7 105/23 106/7 106/8 106/9 107/2 107/17 107/18 111/12 111/13 111/17</p>	<p>111/17 111/19 112/3 112/14 113/2 113/3 113/6 113/14 114/8 114/10 115/20 115/23 116/1 116/5 116/14 117/7 118/5 118/14 118/24 119/9 119/12 119/16 119/20 119/23 119/23 120/15 123/12 124/14 124/21</p> <p>I thought [2] 15/14 115/13</p> <p>I took [1] 4/18</p> <p>I understand [4] 11/7 45/9 55/24 57/4</p> <p>I understood [1] 102/21</p> <p>I want [10] 4/25 6/6 11/4 85/21 94/3 108/6 121/4 125/15 127/13 127/19</p> <p>I was [21] 5/13 6/17 6/18 6/19 8/15 15/12 24/7 24/10 36/3 45/20 61/7 62/17 73/6 74/9 89/11 92/20 96/15 96/17 100/18 103/9 105/11</p> <p>I went [1] 101/7</p> <p>I were [2] 98/1 101/23</p> <p>I will [5] 9/6 34/1 94/4 94/8 128/12</p> <p>I wish [1] 128/22</p> <p>I wonder [1] 58/9</p> <p>I would [13] 3/24 13/21 31/15 36/16 36/21 49/12 50/10 52/4 64/14 79/4 79/10 96/4 112/24</p> <p>I wouldn't [1] 8/6</p> <p>I'd [7] 16/14 53/7 65/24 66/6 105/21 106/13 126/1</p> <p>I'd describe [1] 65/24</p> <p>I'll [1] 60/17</p> <p>I'm [27] 1/14 2/22 12/8 20/7 21/3 29/1 32/22 46/5 47/11 47/11 47/11 56/7 56/17 58/8 61/5 69/21 78/15 80/23 81/13 102/2 103/21 114/6 115/12 117/17 118/9 123/1 123/5</p> <p>I've [5] 35/16 58/1 82/16 114/13 127/5</p> <p>i.e [1] 119/2</p> <p>idea [1] 52/5</p> <p>ideas [1] 16/5</p> <p>identified [4] 22/3 89/6 99/8 103/7</p> <p>identify [5] 89/3</p>	<p>101/13 103/1 106/24 107/25</p> <p>if [92] 1/16 1/16 1/18 8/12 9/7 9/9 9/11 11/6 12/7 12/13 12/14 13/11 14/7 19/9 21/22 22/1 22/5 22/8 22/18 24/8 25/8 29/16 29/20 30/9 30/10 31/18 33/9 36/12 36/20 37/9 38/18 42/14 43/1 44/11 45/13 49/21 51/4 52/4 52/5 52/14 53/25 54/18 55/20 58/9 59/10 62/1 62/20 65/16 65/17 67/10 67/12 67/20 73/11 74/8 76/17 80/4 82/12 84/7 84/10 84/10 84/21 84/23 87/3 87/6 88/2 88/9 90/19 92/3 92/13 93/1 93/3 94/17 95/19 98/1 98/6 98/8 101/23 103/13 103/17 104/2 104/25 107/15 110/17 111/10 113/21 114/18 117/17 118/3 121/14 121/25 123/5 124/14</p> <p>imagine [1] 114/19</p> <p>immediately [1] 97/19</p> <p>immunity [1] 50/6</p> <p>impact [5] 14/10 76/4 111/4 111/8 117/10</p> <p>important [5] 19/2 46/20 50/16 60/13 120/10</p> <p>impose [1] 127/13</p> <p>impression [2] 74/17 121/5</p> <p>improve [4] 16/22 40/5 112/25 114/13</p> <p>inability [1] 117/3</p> <p>inactivation [1] 49/8</p> <p>included [1] 54/18</p> <p>includes [1] 4/8</p> <p>including [1] 127/8</p> <p>increase [1] 19/16</p> <p>increased [2] 6/3 25/9</p> <p>increased risk [1] 6/3</p> <p>indeed [8] 1/5 2/21 76/5 93/3 114/25 118/23 124/11 124/21</p> <p>indicated [5] 65/3 68/23 77/4 78/20 79/13</p> <p>indicates [1] 62/3</p> <p>indicating [1] 84/22</p> <p>indication [1] 62/12</p> <p>indications [1] 82/18</p> <p>individual [9] 29/3 29/15 53/11 55/12</p>	<p>101/7 102/2 106/12 110/17 123/23</p> <p>individuals [9] 56/21 85/11 90/22 91/2 91/22 103/11 105/5 108/3 112/25</p> <p>inexorable [1] 127/22</p> <p>infected [10] 29/14 58/23 59/7 59/16 61/11 67/15 67/16 93/12 93/23 127/10</p> <p>infection [6] 5/3 58/1 59/13 107/14 116/5 116/10</p> <p>infections [3] 68/6 111/5 116/1</p> <p>infectious [2] 61/3 61/8</p> <p>Infirmity [2] 3/8 3/19</p> <p>influence [2] 108/9 109/7</p> <p>inform [2] 23/1 90/6</p> <p>informal [1] 29/5</p> <p>informally [1] 25/17</p> <p>information [31] 30/2 46/10 49/3 50/23 51/3 60/8 68/21 69/13 69/23 72/1 75/7 79/5 87/15 96/13 96/16 99/5 99/15 99/25 100/12 100/15 101/2 101/5 102/15 103/18 103/23 104/3 104/12 104/18 106/6 106/10 117/6</p> <p>informed [14] 48/15 49/20 54/17 54/19 54/20 54/22 55/13 55/17 58/4 64/13 74/18 87/13 99/25 103/1</p> <p>infrequent [1] 51/21</p> <p>inherit [1] 112/15</p> <p>inheriting [1] 112/16</p> <p>inhibitor [1] 47/18</p> <p>inhibitors [1] 79/8</p> <p>initial [5] 3/13 67/9 92/15 98/15 108/15</p> <p>initially [7] 17/24 20/4 28/23 37/11 40/7 41/16 45/24</p> <p>inject [3] 48/2 114/3 114/4</p> <p>injection [5] 48/25 52/2 110/7 116/10 116/11</p> <p>injury [1] 121/14</p> <p>input [3] 21/4 36/22 122/3</p> <p>inquiry [32] 2/13 7/19 26/25 27/11 28/9 30/7 56/7 56/17 56/22 93/9</p>	<p>93/11 93/16 94/2 96/9 100/11 100/25 107/9 111/12 111/12 115/19 117/7 124/8 124/9 125/24 126/4 126/14 126/25 127/12 127/16 127/19 128/1 128/3</p> <p>Inquiry's [6] 83/20 85/4 96/25 97/2 101/2 110/9</p> <p>insert [1] 50/21</p> <p>insights [1] 126/7</p> <p>instances [1] 121/18</p> <p>instead [1] 38/8</p> <p>instructions [1] 95/6</p> <p>instrumentation [2] 91/15 92/2</p> <p>intake [2] 73/10 74/14</p> <p>intensive [1] 45/23</p> <p>interact [1] 60/10</p> <p>interacted [1] 8/1</p> <p>interaction [1] 109/19</p> <p>interactions [1] 111/7</p> <p>interest [6] 3/12 3/14 4/12 7/16 36/1 54/3</p> <p>interested [1] 23/16</p> <p>interests [1] 109/11</p> <p>interferon [17] 65/16 66/3 66/8 67/2 69/11 69/20 70/12 70/21 72/9 75/6 75/13 76/25 77/5 77/9 77/11 77/15 83/4</p> <p>interim [3] 43/24 53/13 86/21</p> <p>intermediate [1] 45/1</p> <p>internal [1] 12/7</p> <p>international [1] 69/15</p> <p>interpret [1] 51/15</p> <p>intervene [2] 29/21 91/24</p> <p>intervention [2] 26/21 76/13</p> <p>interviewed [2] 14/19 28/1</p> <p>interviewing [1] 74/6</p> <p>into [18] 23/17 41/13 49/8 53/17 69/8 71/16 75/20 87/20 88/21 99/16 100/11 102/1 103/12 107/5 116/21 120/23 121/1 122/3</p> <p>introduced [1] 49/8</p> <p>invaluable [1] 23/10</p> <p>investigated [1] 110/2 11/19</p> <p>invite [2] 2/8 17/13</p> <p>invited [3] 39/14 41/20 89/11</p> <p>involve [2] 47/14</p>	<p>65/10</p> <p>involved [9] 20/13 45/20 46/1 79/2 79/4 107/11 110/2 115/21 121/10</p> <p>involved with [1] 79/4</p> <p>involvement [3] 97/1 97/6 102/7</p> <p>involving [2] 8/10 66/8</p> <p>Ireland [23] 3/2 3/17 4/9 4/23 5/15 11/20 18/22 23/25 30/2 31/21 41/5 45/17 55/7 63/18 66/19 74/13 78/13 87/6 107/10 112/5 120/22 124/5 125/8</p> <p>Ireland's [2] 33/25 45/20</p> <p>iron [2] 51/20 52/13</p> <p>isn't [2] 2/1 3/7</p> <p>issue [8] 73/8 74/24 82/22 86/9 88/17 88/21 89/20 89/22</p> <p>issues [13] 13/16 18/8 22/3 24/9 36/12 55/20 64/15 71/20 85/19 85/23 98/6 122/14 127/8</p> <p>issuing [1] 128/5</p> <p>it's [65] 2/1 3/7 9/2 12/1 12/3 12/18 13/21 13/22 16/12 21/23 25/24 26/9 27/23 28/13 28/14 29/13 30/13 30/21 31/23 34/12 34/13 34/21 35/18 37/13 38/11 38/20 42/21 46/2 46/21 47/21 50/16 54/11 54/11 60/12 61/13 62/2 64/1 68/2 74/6 83/10 83/12 84/2 85/10 86/1 88/17 89/19 90/16 90/22 91/25 94/6 104/25 110/1 110/2 110/3 112/9 112/10 113/21 115/20 116/1 118/2 119/12 120/11 120/25 122/25 125/25</p> <p>its [11] 5/21 6/5 34/2 45/6 45/22 49/9 109/15 122/16 126/5 126/5 127/1</p> <p>itself [19] 4/11 17/22 30/8 41/5 42/11 47/8 50/21 58/7 71/8 78/17 91/1 91/14 93/16 97/11 108/20 109/15 111/12 112/7 119/19</p>
---	---	--	---	---	--

I	kindly [1] 7/17 King's [2] 79/3 79/9 Kingdom [1] 110/22 Kirsty [1] 24/18 knee [1] 118/11 knew [7] 18/17 18/17 63/12 63/25 68/14 87/14 113/15 know [42] 14/4 18/2 21/5 26/15 28/6 47/23 48/9 51/15 59/2 61/7 79/14 82/20 86/1 86/9 88/19 96/6 97/14 97/24 98/15 98/20 105/24 106/18 106/19 107/2 111/21 113/16 113/19 114/12 116/8 116/25 118/6 118/11 118/25 119/12 119/17 120/21 121/4 121/6 121/7 125/13 125/15 127/25 knowing [1] 68/15 knowledge [8] 36/7 56/14 64/14 75/14 78/1 88/10 88/15 102/11 known [8] 49/17 63/19 66/17 69/14 71/11 78/7 87/17 108/5	leading [1] 16/4 leaflet [4] 30/3 99/16 99/17 102/16 leaflets [1] 75/10 learn [1] 17/24 learning [2] 97/21 98/15 learnt [2] 5/1 96/8 least [8] 10/10 31/12 35/14 39/16 47/19 59/12 106/12 106/25 leave [3] 15/6 19/8 120/25 leaving [2] 20/25 34/20 led [2] 17/22 41/22 left [5] 8/16 88/5 105/16 110/25 111/24 legal [3] 114/17 117/15 128/7 lengthened [1] 26/11 lengths [2] 14/4 114/5 lens [1] 111/12 Leonard's [1] 97/15 less [6] 47/14 47/15 74/22 77/14 107/23 123/5 let [3] 1/24 58/14 125/15 let's [2] 115/1 121/10 letter [11] 31/15 51/2 55/5 86/19 86/25 88/12 90/1 90/3 90/10 101/24 105/25 letters [11] 77/19 86/2 86/21 89/21 89/22 89/23 90/15 90/18 101/6 101/22 105/4 letting [1] 48/9 leukaemia [2] 24/6 36/2 level [10] 43/20 51/24 51/24 51/25 52/5 52/21 77/25 84/11 88/21 123/19 licensing [1] 45/6 life [6] 25/23 47/3 47/4 50/12 111/21 116/3 lifestyle [1] 72/2 like [13] 1/23 20/7 26/16 48/1 48/3 54/1 76/1 89/7 108/22 111/21 123/11 125/7 126/1 likelihood [1] 95/7 likes [1] 92/3 limitation [1] 6/20 limitation in [1] 6/20 line [7] 25/4 65/15 66/5 77/11 77/12 77/17 77/17	lines [2] 35/25 127/18 link [1] 55/10 list [7] 61/25 62/3 63/12 103/8 103/9 104/14 106/19 listen [1] 16/5 little [23] 5/22 6/6 10/1 11/4 19/7 26/1 28/11 28/16 34/9 35/1 37/19 41/3 45/14 54/9 64/1 67/8 67/14 85/24 88/6 88/19 113/21 114/11 123/6 live [1] 119/22 lived [5] 57/25 113/20 115/25 116/3 116/8 liver [13] 5/24 6/3 6/4 6/5 51/22 65/18 78/8 78/22 82/6 83/18 83/22 84/18 84/21 lives [2] 116/6 116/22 living [1] 124/4 local [6] 18/25 31/24 32/5 76/18 93/14 122/12 locally [3] 33/15 108/10 115/23 locate [2] 93/19 97/9 located [1] 97/23 location [1] 96/3 locked [2] 95/2 101/18 London [2] 78/25 111/2 long [11] 17/2 18/10 18/14 18/19 61/15 72/21 85/13 87/19 111/20 115/2 118/3 long-term [6] 18/10 18/14 18/19 72/21 85/13 118/3 longer [3] 30/9 55/24 73/21 look [29] 8/12 11/24 19/9 27/12 35/3 38/17 38/18 42/8 42/14 62/1 67/11 85/10 87/3 87/24 93/6 94/3 98/17 98/22 100/11 101/12 113/2 114/9 116/6 116/12 119/19 121/22 123/16 125/11 125/20 look-back [2] 101/12 113/2 looked [7] 10/24 65/19 69/3 83/10 94/7 95/17 96/11 looking [12] 13/4 14/16 19/8 19/10 22/17 76/3 90/23 111/16 112/3 119/4 119/11 124/23	Lord [1] 126/21 lost [16] 9/23 9/24 10/1 10/6 12/11 32/25 57/17 57/21 103/20 103/24 103/25 110/11 112/10 115/13 116/18 116/23 lot [26] 7/19 14/16 18/2 18/4 19/3 19/5 21/14 23/4 24/4 33/24 33/25 34/25 41/8 47/10 50/4 50/18 66/25 76/19 86/11 99/10 107/9 107/19 113/4 124/14 126/8 127/15 love [1] 26/1 low [6] 14/12 14/14 17/2 54/6 64/8 76/14 lower [1] 72/10 Ludlam [7] 6/10 6/15 6/25 7/1 7/4 8/1 8/7 lunch [1] 40/4 lymphoma [1] 36/11 Lynne [1] 21/14	118/4 management [10] 6/21 13/15 14/3 14/5 18/11 31/19 38/14 72/3 93/10 93/22 manager [5] 10/20 22/14 23/7 24/13 43/14 Managers [1] 19/24 managing [2] 36/7 89/5 Manson [1] 24/17 many [27] 28/12 38/17 41/14 42/11 49/10 57/14 68/12 72/22 73/19 78/17 83/20 86/8 86/11 86/25 96/8 97/12 97/14 105/18 106/7 111/17 112/17 112/21 113/20 116/3 116/14 123/24 126/2 March [1] 87/5 March 2009 [1] 87/5 Margaret [1] 11/14 Margaret O'Donnell [1] 11/14 Mark [1] 87/24 market [2] 45/5 46/18 marrow [2] 24/6 36/2 Mary [2] 2/6 2/14 masks [1] 2/5 masse [1] 66/15 match [1] 52/1 material [1] 100/18 materials [2] 50/8 127/17 matter [2] 105/11 117/14 matters [1] 110/9 maturity [1] 120/14 may [39] 1/14 1/21 2/7 10/1 20/4 20/5 20/8 26/1 27/22 33/24 34/17 47/6 47/14 54/6 54/9 60/14 62/22 90/23 91/12 96/7 96/10 96/24 99/25 101/6 104/6 105/12 108/25 110/10 110/12 113/10 114/19 114/23 120/7 120/20 124/14 126/13 127/20 127/24 128/24 maybe [1] 118/9 Mayne [4] 62/21 103/16 104/1 104/11 Mayne's [1] 21/9 Mayor [1] 126/21 McAfee [2] 11/13 22/8 McCartney [1] 35/11 McCauley [2] 23/17	
J	Jackie [1] 24/19 January [2] 3/9 21/24 January 2008 [1] 3/9 job [5] 15/19 15/19 18/1 54/2 127/16 jobs [1] 3/1 joining [2] 1/6 24/14 joint [6] 65/3 71/7 71/10 71/17 85/12 91/11 joins [2] 39/16 85/16 Jones [3] 36/6 103/17 104/2 journeys [1] 123/24 Julia [1] 92/14 July [2] 126/22 127/4 June [2] 65/4 126/18 junior [2] 7/11 113/12 just [78] 1/12 1/17 4/3 8/21 10/1 10/25 12/14 13/5 15/6 17/8 18/6 19/10 20/1 23/9 25/18 26/2 26/2 26/3 26/8 26/9 26/15 26/24 27/10 27/12 27/15 28/9 30/5 30/16 32/2 32/25 38/9 42/14 46/7 47/13 57/22 58/25 63/7 64/24 66/16 67/8 69/19 75/5 81/10 81/17 85/14 86/8 87/25 88/8 88/17 93/24 94/8 101/11 101/17 102/2 102/6 103/24 105/11 105/14 105/15 105/16 105/18 105/22 106/2 106/5 106/15 110/9 111/24 113/1 114/21 115/14 116/1 119/12 121/24 123/12 123/20 124/19 125/10 127/24	label [2] 86/16 126/4 labelling [1] 86/13 laboratory [10] 4/19 6/23 7/18 11/18 15/10 17/13 25/5 53/8 62/19 103/12 lack [5] 14/9 18/19 19/19 19/20 86/12 laid [1] 111/22 LANGSTAFF [2] 117/18 129/4 large [2] 1/25 10/19 largely [14] 3/20 38/22 39/19 40/1 49/7 68/4 69/4 69/9 80/22 97/21 97/25 103/3 103/7 120/19 largest [3] 40/1 46/16 89/12 last [19] 16/23 18/22 19/11 25/20 33/2 47/6 52/2 56/7 58/13 63/15 77/8 81/3 83/14 117/14 121/3 123/16 125/21 127/12 127/13 later [6] 1/15 11/4 12/9 13/5 19/7 60/23 latterly [5] 42/6 42/10 46/2 47/2 50/11	legally [3] 114/17 117/15 128/7 lengthened [1] 26/11 lengths [2] 14/4 114/5 lens [1] 111/12 Leonard's [1] 97/15 less [6] 47/14 47/15 74/22 77/14 107/23 123/5 let [3] 1/24 58/14 125/15 let's [2] 115/1 121/10 letter [11] 31/15 51/2 55/5 86/19 86/25 88/12 90/1 90/3 90/10 101/24 105/25 letters [11] 77/19 86/2 86/21 89/21 89/22 89/23 90/15 90/18 101/6 101/22 105/4 letting [1] 48/9 leukaemia [2] 24/6 36/2 level [10] 43/20 51/24 51/24 51/25 52/5 52/21 77/25 84/11 88/21 123/19 licensing [1] 45/6 life [6] 25/23 47/3 47/4 50/12 111/21 116/3 lifestyle [1] 72/2 like [13] 1/23 20/7 26/16 48/1 48/3 54/1 76/1 89/7 108/22 111/21 123/11 125/7 126/1 likelihood [1] 95/7 likes [1] 92/3 limitation [1] 6/20 limitation in [1] 6/20 line [7] 25/4 65/15 66/5 77/11 77/12 77/17 77/17	live [1] 119/22 lived [5] 57/25 113/20 115/25 116/3 116/8 liver [13] 5/24 6/3 6/4 6/5 51/22 65/18 78/8 78/22 82/6 83/18 83/22 84/18 84/21 lives [2] 116/6 116/22 living [1] 124/4 local [6] 18/25 31/24 32/5 76/18 93/14 122/12 locally [3] 33/15 108/10 115/23 locate [2] 93/19 97/9 located [1] 97/23 location [1] 96/3 locked [2] 95/2 101/18 London [2] 78/25 111/2 long [11] 17/2 18/10 18/14 18/19 61/15 72/21 85/13 87/19 111/20 115/2 118/3 long-term [6] 18/10 18/14 18/19 72/21 85/13 118/3 longer [3] 30/9 55/24 73/21 look [29] 8/12 11/24 19/9 27/12 35/3 38/17 38/18 42/8 42/14 62/1 67/11 85/10 87/3 87/24 93/6 94/3 98/17 98/22 100/11 101/12 113/2 114/9 116/6 116/12 119/19 121/22 123/16 125/11 125/20 look-back [2] 101/12 113/2 looked [7] 10/24 65/19 69/3 83/10 94/7 95/17 96/11 looking [12] 13/4 14/16 19/8 19/10 22/17 76/3 90/23 111/16 112/3 119/4 119/11 124/23	made [17] 17/18 31/16 36/5 59/11 68/3 68/22 69/13 80/23 88/6 92/16 92/19 93/9 108/13 108/24 110/14 111/3 126/3 maiden [1] 106/18 main [2] 68/17 126/19 mainly [2] 19/22 20/2 maintained [4] 70/23 95/14 95/24 102/18 maintaining [1] 72/21 majority [18] 6/2 9/25 10/11 40/22 59/8 65/12 69/7 96/21 97/17 97/22 98/25 100/21 102/10 107/17 108/1 108/19 111/1 122/21 make [11] 26/12 27/9 46/7 47/19 73/3 109/7 112/25 113/8 115/8 128/4 128/13 makers [1] 115/22 makeup [1] 111/15 making [1] 128/10 man [3] 34/18 52/18 106/20 manage [1] 89/3 managed [18] 21/2 24/7 46/3 49/10 57/12 59/17 60/4 67/16 67/18 67/21 67/24 67/25 78/21 79/13 82/2 85/8 106/23	management [10] 6/21 13/15 14/3 14/5 18/11 31/19 38/14 72/3 93/10 93/22 manager [5] 10/20 22/14 23/7 24/13 43/14 Managers [1] 19/24 managing [2] 36/7 89/5 Manson [1] 24/17 many [27] 28/12 38/17 41/14 42/11 49/10 57/14 68/12 72/22 73/19 78/17 83/20 86/8 86/11 86/25 96/8 97/12 97/14 105/18 106/7 111/17 112/17 112/21 113/20 116/3 116/14 123/24 126/2 March [1] 87/5 March 2009 [1] 87/5 Margaret [1] 11/14 Margaret O'Donnell [1] 11/14 Mark [1] 87/24 market [2] 45/5 46/18 marrow [2] 24/6 36/2 Mary [2] 2/6 2/14 masks [1] 2/5 masse [1] 66/15 match [1] 52/1 material [1] 100/18 materials [2] 50/8 127/17 matter [2] 105/11 117/14 matters [1] 110/9 maturity [1] 120/14 may [39] 1/14 1/21 2/7 10/1 20/4 20/5 20/8 26/1 27/22 33/24 34/17 47/6 47/14 54/6 54/9 60/14 62/22 90/23 91/12 96/7 96/10 96/24 99/25 101/6 104/6 105/12 108/25 110/10 110/12 113/10 114/19 114/23 120/7 120/20 124/14 126/13 127/20 127/24 128/24 maybe [1] 118/9 Mayne [4] 62/21 103/16 104/1 104/11 Mayne's [1] 21/9 Mayor [1] 126/21 McAfee [2] 11/13 22/8 McCartney [1] 35/11 McCauley [2] 23/17

<p>M</p> <p>McCauley... [1] 35/9</p> <p>McDougall [15] 65/5 67/16 67/20 67/25 68/25 69/24 70/1 70/10 70/13 70/25 71/5 71/21 72/7 77/20 78/16</p> <p>McMullin [2] 6/14 36/6</p> <p>McMurray [1] 24/18</p> <p>McNulty [4] 9/15 11/9 22/7 57/11</p> <p>MDT [1] 54/12</p> <p>me [41] 1/4 1/24 2/20 4/2 16/5 16/6 16/18 24/10 30/24 35/3 36/22 38/12 47/11 57/1 57/1 60/22 64/3 71/11 80/25 81/4 82/24 84/12 96/17 97/19 104/6 105/13 105/16 105/20 105/24 105/25 108/4 111/19 113/5 113/12 113/12 113/16 115/15 116/16 117/7 121/24 124/14</p> <p>mean [5] 1/18 56/18 113/1 120/11 125/25</p> <p>meaning [3] 20/6 20/9 56/17</p> <p>means [1] 6/5</p> <p>meant [4] 20/2 20/8 86/13 116/12</p> <p>mechanism [1] 120/21</p> <p>medical [36] 2/24 5/2 5/5 6/19 10/23 11/1 11/3 11/15 17/14 20/2 21/4 21/5 23/6 25/17 33/18 56/24 63/3 86/16 89/24 90/1 90/9 90/21 93/6 93/21 93/25 94/10 94/13 98/13 98/25 100/7 100/9 100/10 105/1 118/20 119/2 119/13</p> <p>medication [2] 60/3 76/10</p> <p>medications [1] 78/18</p> <p>medicine [1] 59/23</p> <p>medicines [1] 46/4</p> <p>meet [11] 16/10 16/11 26/6 29/25 35/14 49/13 93/11 106/13 116/20 128/20 128/21</p> <p>meeting [7] 22/3 53/8 60/18 87/4 87/19 89/25 123/20</p> <p>meetings [8] 13/14 13/24 14/2 30/25</p>	<p>69/16 70/24 103/4 108/24</p> <p>meetings with [1] 13/14</p> <p>meets [1] 46/8</p> <p>member [5] 4/21 39/8 93/2 103/6 107/24</p> <p>members [7] 14/10 17/13 22/20 29/17 93/15 104/8 107/12</p> <p>memories [1] 127/23</p> <p>men [20] 15/7 15/11 34/25 41/13 47/23 48/12 48/19 52/25 72/5 73/13 76/3 76/23 86/3 108/3 113/11 113/14 113/17 116/19 116/20 120/20</p> <p>mental [1] 73/22</p> <p>mentioned [3] 6/8 33/20 102/4</p> <p>message [1] 37/6</p> <p>met [12] 17/4 63/2 63/21 64/2 64/16 93/15 93/17 93/22 111/11 113/10 115/23 116/3</p> <p>methods [1] 93/19</p> <p>meticulous [1] 96/19</p> <p>meticulously [1] 94/11</p> <p>meticulousness [1] 99/12</p> <p>Michael [3] 98/2 98/4 98/4</p> <p>microbiological [1] 5/17</p> <p>microbiology [1] 5/8</p> <p>Microsoft [3] 28/23 32/19 33/4</p> <p>middle [1] 43/2</p> <p>Midlands [1] 34/14</p> <p>might [10] 12/18 12/19 20/15 118/10 118/22 119/1 120/2 120/3 120/6 121/12</p> <p>mild [5] 39/23 43/5 43/7 43/22 88/2</p> <p>mind [3] 47/22 85/15 118/23</p> <p>minded [4] 27/3 27/25 73/3 77/1</p> <p>mine [1] 58/5</p> <p>minutes [3] 81/14 87/5 88/11</p> <p>miscellaneous [2] 101/22 105/3</p> <p>missing [2] 100/8 101/13</p> <p>mistrust [2] 86/4 112/19</p> <p>mixed [2] 64/1 101/25</p>	<p>mobility [1] 76/1</p> <p>mode [1] 77/6</p> <p>model [7] 19/22 20/1 26/20 61/5 61/6 118/20 123/4</p> <p>moderate [4] 39/19 39/20 43/4 43/7</p> <p>modern [1] 8/4</p> <p>molecule [1] 50/14</p> <p>moment [17] 1/9 2/4 2/7 4/4 12/14 32/25 58/9 69/18 84/7 102/6 102/22 105/23 106/4 106/5 115/12 124/22 124/24</p> <p>moment's [1] 12/13</p> <p>Monday [7] 17/11 17/15 36/18 36/19 38/3 53/7 54/12</p> <p>money [2] 105/12 108/18</p> <p>monitored [3] 80/8 82/2 82/3</p> <p>monitoring [4] 78/2 79/15 82/5 83/17</p> <p>month [6] 5/14 10/10 10/11 28/12 38/21 40/14</p> <p>monthly [10] 10/8 32/16 39/14 39/22 40/22 40/25 79/16 80/3 80/9 81/24</p> <p>months [3] 23/24 87/17 125/21</p> <p>mood [5] 75/15 75/24 75/25 76/1 76/14</p> <p>morale [2] 14/12 14/13</p> <p>more [55] 2/14 7/5 7/8 7/22 7/23 8/2 8/3 8/3 8/4 8/4 11/23 13/15 26/12 27/14 27/15 28/11 30/14 31/13 34/13 35/1 42/6 42/21 43/13 44/4 46/2 47/2 47/19 48/8 50/11 50/16 52/19 54/1 56/25 58/5 62/23 64/7 67/8 68/13 72/11 75/3 76/12 76/18 76/25 80/20 85/1 85/24 93/4 106/25 117/2 119/23 119/25 126/8 127/7 127/9 128/17</p> <p>more in [1] 34/13</p> <p>morning [14] 1/3 1/5 2/19 11/4 12/17 15/16 17/12 17/15 17/23 38/2 38/3 53/7 58/13 117/22</p> <p>mortem [2] 88/4 90/6</p> <p>most [13] 10/9 34/7</p>	<p>40/20 47/23 51/13 56/20 59/16 62/25 64/6 74/20 115/24 122/23 125/13</p> <p>mostly [1] 110/21</p> <p>mother [1] 105/8</p> <p>motivated [1] 17/4</p> <p>motivation [1] 17/1</p> <p>motivational [2] 74/6 74/10</p> <p>mouth [1] 124/24</p> <p>move [10] 31/18 42/14 44/11 58/8 85/21 93/6 108/6 111/22 126/25 127/21</p> <p>moved [5] 23/18 59/3 94/19 94/21 125/2</p> <p>moving [3] 14/17 74/23 110/16</p> <p>Mr [1] 114/24</p> <p>Mr Benson [1] 114/24</p> <p>Mrs [1] 97/15</p> <p>Mrs Leonard's [1] 97/15</p> <p>Ms [4] 2/3 2/17 97/14 129/3</p> <p>Ms Fraser Butlin [1] 2/3</p> <p>Ms Richards [1] 97/14</p> <p>much [20] 5/6 7/8 8/18 25/19 27/25 31/8 37/2 39/21 50/16 68/2 72/11 76/25 77/18 112/15 116/9 119/23 119/24 123/7 124/11 125/7</p> <p>multi [7] 15/2 17/11 17/16 19/21 85/9 85/14 123/13</p> <p>multi-disciplinary [1] 19/21</p> <p>multi-professional [3] 17/11 85/9 123/13</p> <p>multi-source [1] 17/16</p> <p>multi-systemic [1] 85/14</p> <p>multidisciplinary [5] 14/11 20/11 26/23 53/8 61/3</p> <p>multiple [1] 85/3</p> <p>mum [4] 35/3 106/17 107/3 107/7</p> <p>mums [1] 35/18</p> <p>museum [4] 41/23 42/4 42/6 42/8</p> <p>Musgrave [2] 95/5 96/1</p> <p>must [3] 13/15 95/6 128/4</p> <p>mustn't [1] 1/19</p>	<p>mutual [1] 17/25</p> <p>my [61] 3/12 3/14 3/21 3/24 5/5 5/12 6/20 7/16 9/5 11/11 14/17 16/4 16/16 16/23 18/3 20/7 20/10 20/23 21/1 22/23 24/5 36/14 38/10 44/8 49/9 49/14 50/11 52/25 54/2 59/20 60/12 61/14 62/5 62/8 63/13 64/11 65/22 70/9 70/20 71/9 75/18 95/4 98/1 100/19 105/21 106/11 106/12 106/19 106/22 108/1 109/9 111/17 113/1 113/11 113/14 114/10 119/10 119/13 122/7 125/23 127/11</p> <p>myeloproliferative [1] 36/11</p> <p>myself [14] 2/4 13/24 15/8 15/20 24/4 28/20 32/24 33/13 36/15 39/1 56/11 93/2 96/18 99/23</p>	<p>68/10 81/25 82/11 83/7 85/6</p> <p>Neill [1] 9/16</p> <p>Neither [1] 77/24</p> <p>nephew [1] 107/6</p> <p>never [7] 7/7 71/23 83/5 95/6 105/15 105/16 124/1</p> <p>new [16] 17/6 17/18 25/4 42/8 49/13 51/9 63/18 64/4 64/17 69/9 69/13 74/17 87/14 109/23 109/24 127/1</p> <p>newer [8] 66/13 69/12 69/16 69/18 77/4 78/1 78/6 78/13</p> <p>next [9] 9/19 22/13 23/24 38/1 77/17 86/3 92/5 106/22 125/20</p> <p>NHS [1] 127/11</p> <p>NI [2] 42/11 93/14</p> <p>nice [6] 41/12 42/5 66/11 77/12 78/18 78/19</p> <p>night [1] 42/6</p> <p>NIMDTA [1] 3/23</p> <p>no [41] 3/11 3/15 8/11 13/14 20/23 25/12 28/8 30/9 30/13 30/14 30/16 48/13 54/24 55/3 55/18 55/24 62/14 63/11 68/18 69/6 70/3 70/3 70/10 71/20 82/8 82/22 84/5 84/5 84/23 92/18 96/15 96/15 98/8 103/5 103/5 105/11 106/3 108/9 110/1 114/15 123/10</p> <p>nobody [2] 125/5 125/5</p> <p>Nodded [1] 4/7</p> <p>nominal [1] 108/17</p> <p>non [5] 33/11 47/4 77/5 77/11 110/3</p> <p>non-Covid [1] 33/11</p> <p>non-factor [1] 47/4</p> <p>non-interferon [1] 77/5</p> <p>non-pegylated [1] 77/11</p> <p>none [2] 78/15 123/23</p> <p>normal [1] 84/5</p> <p>normally [2] 58/12 80/10</p> <p>north [3] 30/1 32/15 122/11</p> <p>Northern [25] 3/2 3/16 4/9 4/23 5/14 11/20 18/22 23/25 30/1 31/20 33/25 41/5 45/17 45/20 55/7</p>
---	--	---	---	--	--

<p>N</p> <p>Northern... [10] 63/17 66/19 74/13 78/13 87/5 107/10 112/5 120/22 124/5 125/8</p> <p>Northern Ireland [1] 45/17</p> <p>not [113] 1/7 4/2 6/18 8/17 10/25 13/21 13/23 16/11 18/22 19/15 20/7 21/3 21/11 25/18 26/8 26/10 26/19 29/1 30/5 30/12 32/17 33/16 34/3 38/22 40/2 41/6 42/10 42/21 44/20 46/22 47/8 47/12 47/20 48/12 48/15 48/23 49/19 51/20 53/15 54/7 56/17 58/2 59/14 64/10 64/14 64/19 64/20 64/22 65/16 67/4 68/2 69/2 69/21 71/11 74/5 77/23 79/2 81/4 81/8 82/10 83/8 83/10 84/22 86/7 87/19 88/14 88/23 89/20 89/22 90/7 90/11 91/4 91/14 91/25 92/20 96/4 99/3 100/9 100/11 102/2 105/2 105/2 105/15 105/15 110/18 112/21 112/23 113/10 113/20 116/1 116/4 116/14 116/24 117/12 117/17 117/19 119/12 120/25 121/11 121/16 122/1 123/1 123/1 123/3 123/6 123/20 124/17 125/25 126/19 127/11 127/22 128/8 128/20</p> <p>note [4] 12/9 13/6 14/9 63/7</p> <p>noted [8] 13/13 19/14 24/13 72/23 88/24 101/9 104/25 109/21</p> <p>notekeeping [1] 96/20</p> <p>notes [15] 50/25 51/2 56/24 60/21 60/22 93/18 94/14 95/19 95/23 95/23 96/9 96/12 99/18 101/14 102/15</p> <p>nothing [8] 30/23 62/3 106/1 106/1 106/5 113/18 113/18 121/1</p> <p>notification [6] 85/22 87/8 87/9 89/20 90/14 92/7</p> <p>notify [1] 91/12</p>	<p>November [1] 12/5 November 2007 [1] 12/5</p> <p>now [45] 1/18 4/25 8/12 9/15 11/5 13/9 18/6 24/12 24/16 27/7 33/2 35/17 37/13 38/6 38/7 42/14 44/11 45/4 45/6 45/15 48/20 58/9 58/14 65/1 77/4 78/20 81/25 83/7 85/21 86/16 89/19 93/6 110/3 111/11 112/1 112/3 112/4 113/11 120/5 121/5 125/7 128/6 128/10 128/15 128/19</p> <p>now in [1] 125/7</p> <p>number [12] 12/19 28/25 37/3 38/7 43/2 46/17 47/6 49/6 55/12 85/4 85/11 92/7</p> <p>numbers [2] 42/20 61/11</p> <p>nurse [12] 10/16 11/13 11/14 19/24 19/24 22/8 24/18 24/20 33/13 37/5 78/4 91/8</p> <p>nurses [3] 10/18 19/13 24/17</p> <p>nursing [17] 10/18 11/15 17/15 19/17 19/20 23/6 24/15 25/17 39/2 39/3 53/9 53/18 53/19 54/13 54/25 71/22 93/2</p> <p>O</p> <p>O'Donnell [1] 11/14</p> <p>oath [2] 2/6 2/15</p> <p>obesity [2] 74/12 74/23</p> <p>observation [2] 8/8 51/21</p> <p>observations [2] 16/20 56/12</p> <p>observe [1] 7/25</p> <p>observed [1] 111/7</p> <p>obstetric [3] 15/15 15/21 54/8</p> <p>obstetrician [1] 15/13</p> <p>obtain [1] 97/2</p> <p>obtaining [2] 45/8 100/24</p> <p>obviously [5] 6/12 62/2 63/7 76/3 114/22</p> <p>occasion [6] 64/25 76/6 87/22 100/11 105/7 111/2</p> <p>occasions [10] 6/4 27/1 46/14 67/7 74/20</p>	<p>85/3 107/23 112/21 122/13 122/23</p> <p>occupational [5] 24/25 33/13 39/6 39/18 85/18</p> <p>occurred [1] 46/16</p> <p>occurrence [1] 74/24</p> <p>October [1] 42/25</p> <p>off [4] 2/22 11/6 71/9 120/12</p> <p>offer [2] 29/22 105/20</p> <p>offered [4] 15/18 48/4 61/23 66/24</p> <p>offering [1] 47/13</p> <p>office [6] 9/4 9/5 9/17 10/13 100/19 101/19</p> <p>officer [2] 3/1 8/22</p> <p>officially [1] 35/8</p> <p>often [15] 22/20 38/15 39/11 47/10 51/18 54/8 54/23 60/16 68/8 98/18 99/25 113/3 118/6 119/18 127/18</p> <p>oh [3] 3/10 41/9 106/18</p> <p>okay [8] 10/7 33/8 47/11 56/20 71/20 104/5 106/6 115/7</p> <p>okay on [1] 47/11</p> <p>old [8] 8/2 33/22 95/3 95/6 95/20 95/25 96/7 121/25</p> <p>older [5] 52/14 105/10 111/15 113/11 113/14</p> <p>Omagh [1] 121/13</p> <p>once [4] 4/4 40/8 65/5 77/4</p> <p>one [60] 3/21 4/13 7/1 10/10 14/19 15/1 15/4 15/13 18/21 19/2 20/15 21/20 25/24 27/10 28/2 31/12 35/25 40/19 41/23 42/4 42/18 44/17 46/22 47/7 47/23 48/3 49/6 51/10 52/17 55/13 59/12 61/21 63/15 66/9 66/16 68/17 72/12 76/3 76/5 81/2 85/22 87/20 94/3 98/9 100/8 102/6 105/7 106/12 106/25 107/3 108/15 111/2 115/14 115/23 116/9 116/10 116/11 119/9 123/2 124/16</p> <p>ones [3] 53/5 56/25 76/2</p> <p>oneself [1] 112/8</p> <p>ongoing [8] 59/25 64/6 79/14 83/17 85/7 85/12 103/5 110/22</p>	<p>online [1] 66/12</p> <p>only [15] 15/9 15/10 21/19 29/10 31/22 51/14 53/15 61/5 62/16 81/2 83/14 100/15 104/24 105/10 127/22</p> <p>onwards [1] 13/23</p> <p>open [13] 25/13 29/13 30/13 35/6 55/6 55/9 68/20 70/16 72/19 73/2 92/11 110/25 111/25</p> <p>open-access [1] 30/13</p> <p>openly [2] 54/11 66/24</p> <p>openness [1] 127/9</p> <p>opportunities [1] 116/23</p> <p>opportunity [6] 48/16 55/23 72/17 111/13 114/9 125/15</p> <p>opposed [2] 28/17 119/3</p> <p>option [3] 46/24 69/6 69/22</p> <p>or [215]</p> <p>oral [1] 128/14</p> <p>order [8] 14/5 29/18 30/17 73/16 89/16 104/23 114/5 116/24</p> <p>ordered [2] 37/15 37/23</p> <p>ordinate [2] 67/19 79/25</p> <p>Organisation [1] 89/8</p> <p>organise [1] 34/9</p> <p>organised [6] 38/15 41/2 42/3 42/7 42/12 79/17</p> <p>original [3] 8/18 26/14 90/18</p> <p>originally [2] 8/6 45/18</p> <p>Orla [3] 9/15 11/9 11/10</p> <p>other [27] 2/7 13/16 17/10 17/24 19/21 29/17 36/10 40/11 40/22 41/24 53/9 57/11 59/2 62/11 62/16 68/2 68/10 69/6 72/12 76/3 79/21 95/22 103/6 104/7 106/12 110/11 116/18</p> <p>others [4] 20/16 63/23 67/17 120/9</p> <p>otherwise [1] 61/2</p> <p>our [62] 9/15 11/18 16/11 17/15 25/5 26/18 26/20 27/24</p>	<p>28/2 28/19 29/23 29/24 30/1 30/24 30/25 31/12 32/10 32/13 33/12 33/17 34/1 35/13 35/13 39/2 39/5 39/5 39/20 39/23 40/2 40/12 40/20 42/11 43/14 51/21 52/8 52/14 52/19 53/8 53/9 53/18 53/19 54/8 54/12 55/8 72/17 79/22 84/1 87/20 88/7 90/24 91/9 98/20 99/3 104/14 107/20 110/16 120/16 122/24 124/9 124/10 124/17 125/15</p> <p>ourselves [3] 35/10 35/21 90/9</p> <p>out [47] 4/4 8/9 9/2 16/16 17/20 19/4 21/20 24/3 26/5 27/9 35/22 35/24 36/12 36/25 38/4 38/13 41/18 48/8 51/4 53/19 55/5 59/11 69/10 69/17 71/24 79/22 86/22 86/24 87/25 89/15 90/10 90/15 90/18 92/15 92/18 92/20 97/19 98/17 104/6 106/20 110/15 113/9 113/22 119/7 122/4 122/17 128/2</p> <p>out-patient [2] 9/2 79/22</p> <p>outage [1] 12/20</p> <p>outcome [2] 27/18 48/10</p> <p>outcomes [2] 27/21 72/21</p> <p>outpatient [1] 40/2</p> <p>outpatients [1] 26/12</p> <p>outset [3] 100/25 112/19 119/12</p> <p>outwardly [1] 107/18</p> <p>outwith [2] 29/3 99/3</p> <p>over [28] 7/19 17/20 21/1 22/6 23/24 28/1 34/5 38/4 41/2 46/13 47/5 52/15 52/16 56/11 66/21 70/19 78/25 81/3 83/15 106/7 107/9 108/10 111/20 116/23 121/19 123/16 125/21 126/11</p> <p>overarching [1] 4/13</p> <p>overriding [1] 16/8</p> <p>oversaw [1] 75/5</p> <p>overseen [1] 66/6</p> <p>oversight [1] 21/3</p> <p>owing [1] 95/7</p> <p>own [21] 16/11 33/15</p>	<p>41/9 42/13 46/1 63/2 63/8 63/13 73/14 76/17 79/22 82/23 91/7 98/1 107/22 109/15 116/21 119/11 126/6 126/7 126/7</p> <p>P</p> <p>pace [1] 127/21</p> <p>paediatric [13] 32/9 32/11 33/21 34/2 34/6 34/10 34/20 35/12 35/20 41/14 41/19 120/6 120/25</p> <p>page [18] 12/2 12/7 12/8 13/4 13/12 14/7 19/11 21/25 22/1 22/2 22/6 43/1 43/2 67/12 67/13 87/7 94/6 94/17</p> <p>page 11 [1] 67/12</p> <p>page 127 [1] 94/17</p> <p>page 13 [3] 12/7 12/8 13/4</p> <p>page 16 [1] 94/6</p> <p>page 17 [1] 13/12</p> <p>page 2 [1] 87/7</p> <p>page 22 [1] 22/1</p> <p>page 24 [1] 14/7</p> <p>page 25 [1] 19/11</p> <p>page 7 [1] 43/1</p> <p>pages [1] 61/15</p> <p>paid [1] 108/20</p> <p>pain [1] 85/13</p> <p>palpable [1] 52/17</p> <p>pandemic [2] 28/24 32/17</p> <p>paper [1] 105/21</p> <p>paperwork [3] 65/25 70/18 104/23</p> <p>paragraph [6] 22/2 67/13 87/7 87/10 94/6 94/18</p> <p>paragraph 4 [1] 87/7</p> <p>Paragraph 6.8.23 [1] 94/6</p> <p>paragraph 67.1 [1] 94/18</p> <p>paragraph 9.3 [1] 22/2</p> <p>paragraphs [1] 19/11</p> <p>parent [2] 34/19 116/24</p> <p>parents [10] 34/18 35/2 35/16 41/24 99/25 116/3 116/8 116/14 117/3 117/11</p> <p>Park [2] 95/5 96/1</p> <p>part [36] 3/10 3/12 3/13 6/18 21/20 23/5 26/13 26/22 27/2 54/4 59/23 59/25 61/13 62/14 67/23 79/9 88/1</p>
--	---	---	--	--	---

<p>P</p> <p>part... [19] 90/18 90/21 91/9 93/10 99/2 100/10 101/4 102/16 102/16 104/20 104/22 104/22 109/3 109/9 109/10 109/12 121/12 124/13 128/21</p> <p>part 1 [3] 102/16 104/20 104/22</p> <p>part 2 [2] 102/16 104/22</p> <p>partake [1] 18/22</p> <p>Participant [1] 126/4</p> <p>participants [3] 114/17 126/5 128/8</p> <p>participated [1] 109/22</p> <p>particular [16] 26/4 41/9 45/23 47/25 53/22 69/2 74/12 82/13 84/18 88/10 88/15 92/23 100/7 115/16 115/17 116/15</p> <p>particularly [13] 5/3 21/11 29/21 43/16 46/15 50/12 51/19 72/6 74/16 80/19 101/5 104/22 116/2</p> <p>partner [1] 58/23</p> <p>parts [1] 110/12</p> <p>parvovirus [3] 53/23 54/7 54/10</p> <p>passage [1] 94/7</p> <p>passages [1] 94/3</p> <p>passed [4] 59/4 59/5 115/15 126/6</p> <p>passion [1] 123/14</p> <p>past [9] 35/8 52/7 63/3 68/11 79/7 96/24 99/7 100/6 100/9</p> <p>pastoral [1] 58/6</p> <p>pathogenic [1] 49/4</p> <p>pathogens [1] 49/18</p> <p>patient [65] 9/2 18/6 25/12 28/19 29/20 30/16 37/25 39/11 42/12 44/17 44/19 46/9 49/13 49/13 49/23 51/4 51/6 51/10 51/16 52/4 52/23 53/11 53/19 55/12 58/23 61/21 63/15 65/11 66/9 70/25 74/8 74/8 79/6 79/22 80/5 81/2 82/12 84/12 84/25 87/14 88/2 88/12 88/18 88/22 90/4 90/20 91/12 91/24 92/18 92/23 93/14 94/21 95/23</p>	<p>96/17 96/21 102/2 107/7 110/18 111/18 112/15 119/14 121/23 122/16 122/18 122/24</p> <p>patient's [8] 50/5 51/7 60/22 88/4 88/24 101/9 102/18 107/14</p> <p>patients [286]</p> <p>patients with [1] 39/20</p> <p>patients' [8] 16/20 28/15 50/25 55/21 96/10 107/20 117/24 123/24</p> <p>pattern [2] 28/18 40/17</p> <p>Paul [1] 11/21</p> <p>pause [2] 103/24 126/25</p> <p>pay [1] 126/1</p> <p>PCR [11] 61/18 61/20 61/22 62/6 62/22 66/14 81/25 82/10 83/7 85/6 103/14</p> <p>pegylated [14] 65/15 66/2 66/8 69/11 69/20 70/12 70/21 72/9 75/6 75/13 77/9 77/11 77/15 83/4</p> <p>pending [2] 65/18 122/15</p> <p>people [24] 2/1 2/2 2/11 26/2 26/9 26/10 42/17 43/6 43/11 44/1 44/2 59/6 63/8 63/10 73/5 83/20 94/5 105/20 113/5 113/13 113/23 119/17 127/10 127/12</p> <p>per [5] 29/19 31/11 43/21 46/3 124/9</p> <p>performed [2] 79/19 99/14</p> <p>perhaps [13] 17/20 18/18 21/18 34/1 40/19 68/10 74/22 74/25 84/21 98/1 106/15 120/3 128/20</p> <p>period [9] 10/10 25/22 56/11 67/9 69/19 73/17 100/20 101/19 111/20</p> <p>periods [1] 10/11</p> <p>permanent [2] 14/9 27/9</p> <p>permits [1] 128/3</p> <p>person [6] 23/16 30/9 92/1 119/4 119/15 124/21</p> <p>personal [1] 119/11</p> <p>personally [3] 7/15 44/20 109/4</p>	<p>perspective [22] 16/20 18/17 20/7 32/13 35/13 49/10 50/11 55/21 60/12 70/9 72/17 80/8 81/8 84/1 88/9 89/15 106/13 111/4 115/17 117/24 122/7 122/25</p> <p>pertaining [3] 10/23 101/7 105/4</p> <p>Peter [1] 62/18</p> <p>pharmaceutical [6] 108/6 108/8 108/12 109/18 109/23 127/6</p> <p>pharmacokinetic [1] 52/3</p> <p>phase [3] 6/1 110/3 110/3</p> <p>phenotypes [1] 42/21</p> <p>phlebotomy [1] 10/14</p> <p>phone [3] 18/24 37/4 40/7</p> <p>phoned [3] 17/20 36/23 122/21</p> <p>physical [2] 8/13 120/14</p> <p>physiotherapist [3] 24/22 33/14 39/5</p> <p>physiotherapy [3] 21/12 24/23 39/17</p> <p>pick [5] 11/4 12/8 12/25 33/9 101/23</p> <p>picking [2] 51/20 101/17</p> <p>picture [2] 62/23 65/8</p> <p>pivotal [1] 105/23</p> <p>place [14] 11/6 15/5 25/17 27/4 33/21 48/21 62/4 62/13 78/25 82/9 87/20 89/7 92/10 103/12</p> <p>place with [1] 82/9</p> <p>placed [5] 8/24 29/23 89/9 89/13 95/20</p> <p>places [1] 96/8</p> <p>plan [3] 15/19 49/25 118/14</p> <p>planned [1] 128/14</p> <p>planning [1] 18/2</p> <p>plans [2] 125/16 126/13</p> <p>plasma [7] 44/22 44/24 45/1 46/23 49/2 49/19 50/3</p> <p>plasma-derived [6] 44/22 44/24 45/1 46/23 49/2 50/3</p> <p>platelet [3] 51/18 54/6 83/19</p> <p>play [1] 11/7</p> <p>please [1] 87/4</p> <p>pm [3] 115/9 115/11</p>	<p>128/23</p> <p>pocket [3] 99/18 101/15 102/14</p> <p>point [10] 18/16 20/18 22/13 33/10 55/13 57/21 62/7 70/10 103/25 118/17</p> <p>points [2] 22/7 22/9</p> <p>policies [3] 97/11 97/14 98/23</p> <p>policy [2] 109/15 109/18</p> <p>poly [3] 99/18 101/15 102/14</p> <p>poor [1] 13/18</p> <p>population [3] 26/18 40/20 74/13</p> <p>populations [1] 69/3</p> <p>poses [1] 121/4</p> <p>position [6] 24/12 24/15 35/22 59/18 59/20 84/13</p> <p>positive [17] 15/22 59/7 61/18 61/20 62/8 62/9 63/9 63/14 63/17 63/20 65/14 66/20 74/10 81/3 100/22 103/8 103/15</p> <p>positivity [3] 14/15 72/22 84/24</p> <p>possibility [1] 71/16</p> <p>possible [5] 30/12 32/17 37/17 60/22 105/17</p> <p>post [19] 4/6 4/8 4/11 4/14 8/13 11/7 14/19 16/4 22/5 23/13 23/14 23/17 23/19 25/3 25/25 27/9 35/23 88/4 90/6</p> <p>post-mortem [2] 88/4 90/6</p> <p>Posters [1] 29/23</p> <p>potential [2] 36/16 49/4</p> <p>practice [8] 49/14 50/2 50/10 53/1 65/22 67/5 112/12 119/11</p> <p>pre [1] 89/9</p> <p>pre-surgical [1] 89/9</p> <p>precisely [1] 118/25</p> <p>predeceased [3] 59/10 59/13 62/16</p> <p>predecessor [1] 9/15</p> <p>prefer [1] 67/17</p> <p>preferred [1] 75/19</p> <p>pregnancy [1] 16/1</p> <p>pregnant [2] 16/1 76/8</p> <p>premises [1] 127/1</p> <p>preparations [1] 128/10</p>	<p>prepare [2] 34/18 34/18</p> <p>preparing [1] 34/21</p> <p>prescribed [2] 70/21 78/17</p> <p>prescribing [2] 60/3 109/7</p> <p>presence [2] 41/6 90/5</p> <p>present [6] 2/8 19/13 51/5 54/6 91/14 123/23</p> <p>presentations [1] 125/22</p> <p>presented [4] 31/1 39/24 71/2 92/14</p> <p>President [1] 87/23</p> <p>presumably [2] 79/2 121/14</p> <p>previous [13] 12/10 13/1 13/8 20/17 53/18 65/14 67/1 68/11 69/5 76/24 77/15 77/21 96/23</p> <p>previously [15] 25/7 28/7 40/14 44/21 54/12 56/4 63/19 64/23 72/13 72/24 77/2 80/7 83/3 90/8 126/19</p> <p>pride [1] 113/17</p> <p>primary [2] 70/11 74/3</p> <p>principle [1] 128/2</p> <p>prion [2] 88/23 90/4</p> <p>prions [2] 88/4 88/13</p> <p>prior [7] 11/11 16/16 28/23 36/7 70/20 83/13 87/17</p> <p>private [2] 1/11 1/12</p> <p>privy [1] 29/2</p> <p>probably [9] 20/4 21/19 52/25 58/11 64/1 64/1 89/12 99/10 101/20</p> <p>problem [5] 1/14 54/14 74/7 74/9 118/10</p> <p>problems [2] 113/4 117/20</p> <p>procedure [10] 9/9 49/23 90/16 90/20 91/4 91/9 91/19 91/21 91/25 92/4</p> <p>procedures [4] 89/4 89/10 89/18 90/25</p> <p>process [12] 39/22 45/11 45/13 45/17 52/22 53/25 54/1 87/9 97/21 98/16 109/14 126/3</p> <p>processes [1] 89/7</p> <p>procured [1] 45/10</p>	<p>procurement [1] 45/25</p> <p>prodromal [1] 6/1</p> <p>produced [1] 75/11</p> <p>product [25] 45/9 46/14 46/15 46/17 46/21 47/8 48/1 48/3 48/11 48/17 48/24 49/6 49/7 49/8 49/11 49/15 50/3 50/16 50/21 51/1 51/6 51/9 109/23 110/4 110/7</p> <p>products [12] 5/3 44/11 45/10 45/21 48/4 50/13 50/20 108/9 109/8 109/25 109/25 111/6</p> <p>professional [10] 15/2 16/24 17/11 30/22 30/25 55/9 85/9 112/12 123/13 126/16</p> <p>professionally [1] 105/24</p> <p>professionals [5] 21/19 39/9 53/10 109/20 123/14</p> <p>Professor [9] 6/10 6/14 6/15 6/25 7/1 7/4 8/1 8/7 36/6</p> <p>Professor Ludlam [7] 6/10 6/15 6/25 7/1 7/4 8/1 8/7</p> <p>Professor McMullin [2] 6/14 36/6</p> <p>profiles [1] 52/14</p> <p>profound [1] 112/11</p> <p>programme [8] 3/18 3/18 3/24 3/25 6/15 65/18 79/23 80/12</p> <p>progress [1] 71/1</p> <p>projection [1] 118/3</p> <p>promise [1] 127/12</p> <p>promptly [1] 122/22</p> <p>proper [1] 115/5</p> <p>prophylactic [2] 75/17 76/10</p> <p>prophylaxis [3] 39/21 52/1 121/10</p> <p>proportion [2] 39/20 43/19</p> <p>proposed [1] 49/25</p> <p>prostate [2] 52/16 52/18</p> <p>prostate-specific [1] 52/16</p> <p>proteins [2] 50/15 50/17</p> <p>protocol [1] 72/14</p> <p>protocols [2] 65/25 68/15</p> <p>protracted [1] 6/1</p> <p>proud [1] 113/17</p>
---	---	--	--	---	--

P	60/17 60/25 Quah's [1] 60/7 qualified [1] 2/23 quality [1] 34/14 quarantined [1] 92/3 queried [1] 81/4 question [8] 1/15 81/15 92/11 99/14 106/22 115/14 115/20 121/3 questioned [1] 125/5 questioning [3] 2/9 125/21 127/18 questionnaire [5] 16/7 16/14 16/17 26/14 117/23 questions [17] 2/4 2/17 2/22 31/18 33/24 91/8 93/24 114/15 114/18 114/19 114/23 114/23 117/18 123/10 126/7 129/3 129/4 quickly [2] 1/16 128/3 quite [25] 5/15 12/19 16/19 19/3 26/15 28/14 34/16 38/23 41/4 45/23 51/19 55/18 83/25 86/1 88/25 96/25 98/14 100/20 102/2 103/2 111/19 113/7 117/22 117/24 118/23	readvertised [1] 23/19 ready [2] 34/17 122/2 real [3] 2/10 83/22 84/1 realistic [1] 27/22 really [35] 2/12 7/7 8/7 14/16 14/20 15/18 16/6 16/19 16/23 17/7 20/6 20/18 22/25 25/21 26/14 36/4 71/23 72/13 72/15 72/20 73/22 86/3 86/11 86/23 97/20 98/13 105/6 105/23 111/18 116/18 117/22 117/24 118/22 119/19 121/4 reason [2] 71/10 107/5 reasonable [1] 128/3 reassurance [6] 46/21 46/24 84/4 84/16 84/25 85/3 reassured [1] 52/6 recall [4] 5/1 5/19 57/10 61/10 recap [1] 91/18 receipt [1] 86/25 receive [4] 31/15 44/25 51/6 78/7 received [6] 44/19 56/18 66/2 108/11 108/21 110/6 receiving [3] 50/2 68/20 79/7 recent [6] 4/17 19/4 47/20 56/20 57/2 117/8 recently [6] 25/10 26/23 27/14 80/20 93/4 93/8 receptionist [2] 10/22 11/17 receptive [2] 73/13 76/25 recognise [1] 127/25 recognised [4] 20/20 114/17 117/15 128/7 recollect [1] 88/3 recollection [1] 95/4 recombinant [9] 44/15 44/18 44/20 45/4 46/14 46/15 46/21 50/14 114/3 recommendations [2] 115/18 128/12 recommended [1] 22/10 record [6] 61/15 62/25 90/21 97/16 98/13 99/17	record-keeping [1] 97/16 recorded [5] 13/7 50/24 51/2 60/21 93/18 records [54] 10/23 11/1 11/3 33/18 55/8 55/8 62/22 63/3 86/20 93/6 93/8 93/20 93/21 93/25 94/10 94/13 94/16 94/22 94/22 95/2 95/4 95/5 95/6 95/8 95/11 95/13 95/25 96/1 96/3 96/6 96/7 96/9 96/10 96/13 97/2 97/4 97/5 97/9 97/10 97/11 97/20 97/22 98/3 98/8 98/25 99/7 99/8 100/7 100/9 100/10 100/13 100/16 102/19 105/1 recruited [2] 23/8 110/6 Red [1] 30/7 redacted [1] 62/2 redirect [1] 37/6 redirected [1] 37/13 reduced [1] 26/19 refer [7] 25/8 70/10 73/25 84/9 84/13 90/19 99/17 reference [3] 20/1 56/6 99/10 referral [2] 79/3 79/9 referrals [2] 31/10 110/20 referred [11] 25/16 29/4 66/15 66/21 67/22 68/7 78/11 82/23 93/8 107/4 110/21 referring [1] 73/24 reflect [8] 21/7 25/21 28/18 42/20 53/12 54/15 113/3 118/6 reflected [17] 18/15 19/3 19/20 34/13 51/2 56/10 56/23 57/14 57/23 57/24 68/12 88/10 90/1 100/20 112/21 115/22 117/25 reflecting [1] 24/3 reflection [2] 22/15 64/19 reflections [3] 21/12 21/21 58/5 reflective [2] 67/5 112/16 reflects [1] 88/11 refresh [2] 64/3 99/24 refreshed [2] 67/6 95/19	refreshing [3] 60/19 64/7 128/22 refreshment [1] 60/19 regard [21] 4/1 5/23 6/20 11/14 19/6 31/14 44/22 60/6 71/19 73/22 73/23 73/24 74/23 76/24 78/4 84/14 85/16 92/15 99/19 101/14 122/14 regarding [2] 67/21 96/16 regardless [1] 52/10 regards [234] region [1] 11/20 regional [1] 16/2 registered [12] 32/3 32/5 32/7 32/12 32/20 33/6 33/16 42/16 43/3 43/12 44/1 44/2 registrar [14] 3/4 3/13 3/21 6/7 6/17 9/20 9/21 10/5 37/7 37/17 39/1 61/7 65/23 75/14 registrars [1] 10/8 registration [1] 51/8 regraded [1] 11/10 regular [6] 13/24 14/2 51/12 60/1 70/24 71/23 reiterate [1] 53/20 relate [1] 7/24 related [2] 15/9 109/25 relation [29] 5/4 7/24 7/25 19/12 20/1 45/22 55/25 57/12 61/10 61/25 67/9 75/12 80/18 80/19 81/25 83/2 85/19 87/2 88/12 89/19 90/14 90/15 99/5 101/11 101/17 102/4 105/8 106/14 109/23 relationships [2] 25/24 73/23 relative [3] 29/20 30/10 93/12 relatives [5] 97/3 102/24 103/1 109/17 111/8 relevant [3] 94/22 96/16 102/1 relive [1] 111/15 relocation [1] 95/1 remain [5] 32/19 33/5 38/10 83/21 124/6 remainder [1] 108/19 remained [4] 61/19 65/21 66/20 78/10 remaining [1] 66/13 remains [3] 31/7	61/21 81/2 remedied [1] 1/16 remember [8] 73/14 92/13 105/7 113/10 114/3 114/4 114/4 118/12 remembered [1] 21/15 remind [1] 100/3 reminded [1] 67/7 reminder [1] 86/19 reminding [3] 48/10 86/19 112/8 remission [1] 65/17 remit [2] 61/8 93/11 remote [1] 28/22 remotely [3] 2/11 32/18 33/4 renal [1] 52/20 repeat [3] 10/2 55/1 98/21 repeated [1] 97/25 repeating [1] 98/10 replacement [2] 91/11 110/4 replacements [1] 47/4 replacing [1] 118/11 report [5] 12/5 13/17 14/8 19/8 20/5 reported [2] 87/10 87/13 reports [1] 43/24 represent [2] 4/23 114/24 representation [1] 45/16 representative [2] 87/14 117/16 representatives [8] 46/1 93/22 114/17 117/15 123/9 126/3 127/19 128/7 request [1] 82/23 requested [2] 56/24 101/6 requesting [1] 99/4 requests [2] 81/6 97/18 require [4] 48/13 70/5 79/9 84/18 required [9] 16/4 31/25 37/9 38/12 49/22 75/20 89/6 91/3 121/15 research [3] 8/9 109/22 126/7 reserve [1] 120/3 resigned [1] 23/18 resistant [1] 77/16 resonates [1] 111/20 resource [1] 62/16 respect [2] 17/25
Q	Quah [4] 59/22 59/25				

<p>R</p> <p>respect... [1] 117/23</p> <p>response [3] 16/21 50/5 123/17</p> <p>responsible [3] 11/21 64/5 68/5</p> <p>rest [2] 31/1 78/14</p> <p>restriction [1] 30/14</p> <p>restrictions [1] 128/19</p> <p>result [2] 52/3 127/11</p> <p>results [8] 16/17 53/3 54/21 54/22 80/4 84/2 84/19 94/14</p> <p>resume [1] 127/3</p> <p>retained [1] 11/1</p> <p>retaining [1] 117/5</p> <p>retested [1] 63/10</p> <p>retirement [2] 11/12 20/25</p> <p>retrospective [1] 112/3</p> <p>return [4] 33/19 44/23 57/18 81/14</p> <p>returned [1] 4/5</p> <p>returning [1] 83/23</p> <p>review [22] 14/21 14/23 18/19 29/7 34/14 39/11 39/15 39/22 39/25 40/21 43/15 48/20 50/19 51/11 59/25 62/15 63/2 72/14 80/5 95/8 100/17 104/7</p> <p>reviewed [5] 34/15 39/2 40/23 70/8 72/15</p> <p>reviewing [2] 21/4 75/21</p> <p>reviews [3] 17/19 47/20 97/12</p> <p>revise [1] 118/9</p> <p>revision [1] 118/7</p> <p>rewarding [2] 35/13 35/18</p> <p>ribavirin [10] 65/16 66/3 69/12 70/12 72/9 75/7 75/12 76/4 77/16 83/4</p> <p>Richards [1] 97/14</p> <p>ride [1] 19/4</p> <p>right [14] 3/6 3/7 4/10 25/11 27/17 31/25 42/19 44/15 55/18 68/1 77/7 83/25 118/24 128/1</p> <p>risk [31] 5/2 6/3 15/15 15/20 45/19 45/21 47/17 47/17 47/20 54/16 54/24 64/8 64/8 64/10 86/7 86/9 86/10 86/13 89/3 89/6 89/10</p>	<p>89/13 89/15 90/7 90/11 91/5 91/7 91/13 91/20 91/25 109/5</p> <p>risks [7] 5/7 5/10 46/11 47/7 49/4 50/7 63/23</p> <p>road [2] 121/10 122/14</p> <p>Roald [3] 41/17 41/20 108/14</p> <p>Roald Dahl [3] 41/17 41/20 108/14</p> <p>robin [1] 38/22</p> <p>role [13] 4/8 4/18 6/20 7/14 19/25 21/6 23/6 26/8 41/7 45/13 45/14 45/15 109/9</p> <p>roles [5] 4/13 19/21 19/21 20/12 23/5</p> <p>room [23] 1/11 1/11 1/12 1/25 9/5 9/7 9/15 9/17 9/18 9/20 10/12 10/13 10/14 10/18 10/20 11/2 17/16 29/23 35/4 65/11 95/2 95/15 114/7</p> <p>rotate [1] 10/8</p> <p>rough [1] 52/5</p> <p>round [1] 38/22</p> <p>route [2] 5/22 75/19</p> <p>routine [25] 38/14 39/4 39/21 49/14 50/2 50/10 51/13 52/1 52/19 52/23 52/25 54/3 54/20 55/25 60/6 64/11 80/21 81/9 81/12 81/20 81/21 82/4 82/9 110/16 110/20</p> <p>routinely [7] 51/16 51/22 51/23 52/9 52/12 52/15 79/22</p> <p>Royal [15] 3/8 3/19 8/20 21/13 21/16 36/4 36/9 37/13 65/19 67/17 67/22 68/5 69/8 94/23 122/9</p> <p>rub [1] 113/9</p> <p>run [6] 15/24 21/8 21/10 41/22 80/2 95/22</p> <p>running [2] 7/4 15/23</p> <p>rushed [1] 26/10</p>	<p>80/15 82/12 85/21 92/6 99/6 103/25 112/11 112/19 116/12 117/21 124/16 124/16 127/5</p> <p>sake [1] 94/9</p> <p>same [17] 15/1 38/6 38/7 39/22 40/9 40/10 40/17 53/4 53/20 59/21 61/7 65/11 65/11 65/25 74/11 84/16 117/20</p> <p>samples [7] 15/10 55/25 56/4 56/5 56/14 56/23 57/3</p> <p>sat [1] 41/14</p> <p>satellite [2] 29/24 32/14</p> <p>save [1] 114/12</p> <p>saw [1] 94/4</p> <p>say [18] 1/18 6/17 13/11 25/7 31/16 44/13 50/11 59/22 71/24 74/16 81/1 89/2 104/17 113/17 115/1 121/10 124/14 125/10</p> <p>saying [4] 56/13 67/1 69/22 69/25</p> <p>says [4] 12/3 12/10 94/20 126/4</p> <p>scan [8] 79/17 79/19 79/23 80/5 80/6 81/9 81/24 85/2</p> <p>scenario [1] 121/4</p> <p>scheme [6] 6/19 9/21 10/5 59/11 62/15 62/24</p> <p>schemes [2] 102/9 102/20</p> <p>school [2] 8/2 117/1</p> <p>Sciences [1] 4/19</p> <p>scientist [2] 11/21 25/2</p> <p>scientists [3] 11/18 17/14 25/6</p> <p>scope [1] 76/12</p> <p>scores [1] 39/16</p> <p>Scotland [2] 45/25 87/5</p> <p>screen [7] 13/2 19/10 39/4 53/3 54/18 94/4 94/8</p> <p>screened [2] 49/17 89/17</p> <p>screening [2] 5/17 11/22</p> <p>scripted [1] 124/22</p> <p>scrutinise [1] 127/6</p> <p>search [5] 62/19 93/19 97/23 98/20 103/13</p> <p>searched [2] 62/20</p>	<p>98/6</p> <p>searches [1] 97/25</p> <p>searching [1] 96/9</p> <p>seat [1] 114/7</p> <p>second [14] 19/4 22/5 23/15 24/8 25/2 36/23 38/10 46/25 49/7 77/17 86/22 92/20 108/16 116/24</p> <p>Secondly [1] 6/6</p> <p>secrecy [1] 107/10</p> <p>secret [1] 113/22</p> <p>secretarial [1] 94/12</p> <p>secretary [4] 10/21 11/17 22/23 95/21</p> <p>sections [1] 94/15</p> <p>see [37] 2/20 12/2 12/4 12/14 19/11 21/23 22/2 32/24 34/22 38/15 41/13 41/15 43/5 43/13 53/1 59/10 60/17 67/13 73/11 74/7 74/8 76/17 87/4 87/8 89/14 97/20 103/10 103/13 103/17 104/2 112/2 116/22 117/10 117/25 119/25 125/4 125/24</p> <p>seeing [6] 26/3 35/18 51/10 51/14 75/15 111/11</p> <p>seek [2] 15/20 98/22</p> <p>seeking [4] 25/3 73/13 93/8 103/1</p> <p>seem [2] 56/25 127/20</p> <p>seemed [2] 71/20 87/17</p> <p>seen [11] 8/6 38/25 41/10 53/17 58/13 60/2 60/25 61/22 63/13 64/12 126/12</p> <p>selected [1] 76/7</p> <p>self [1] 10/22</p> <p>send [1] 90/15</p> <p>senior [8] 7/10 8/22 20/17 21/5 24/18 93/10 93/15 93/21</p> <p>sense [7] 11/5 31/8 63/24 64/17 65/9 74/16 84/19</p> <p>sent [2] 55/5 122/12</p> <p>separate [4] 94/15 95/22 99/2 101/18</p> <p>separately [4] 10/15 11/2 98/10 99/2</p> <p>September [4] 12/6 95/1 127/3 127/4</p> <p>September 2001 [1] 95/1</p> <p>September 2008 [1] 12/6</p>	<p>serially [1] 55/11</p> <p>serious [1] 121/14</p> <p>seriousness [1] 5/20</p> <p>serum [1] 79/19</p> <p>served [1] 124/19</p> <p>serves [1] 12/18</p> <p>service [102] 3/18 3/22 4/14 5/15 6/13 6/21 6/24 7/14 8/18 9/22 10/6 10/21 11/15 14/1 14/21 16/2 16/10 16/24 18/12 18/13 21/12 22/16 22/18 23/10 23/19 25/10 25/14 27/8 27/14 27/16 28/10 28/12 29/10 29/12 29/18 29/22 29/24 30/5 30/12 30/13 31/9 32/9 32/11 34/14 34/20 35/17 35/20 35/24 39/25 40/2 40/13 41/19 60/1 60/5 60/17 65/14 65/20 66/1 66/4 68/18 69/11 69/14 70/17 70/19 70/24 71/8 71/10 71/12 71/14 75/15 76/16 77/10 77/23 78/4 78/10 78/17 78/21 79/8 79/14 79/15 79/16 79/18 80/7 80/21 81/6 82/8 82/9 82/17 82/21 83/11 88/7 92/12 109/3 110/18 114/2 120/16 120/23 120/25 121/20 121/21 123/19 124/13</p> <p>services [10] 4/15 8/19 9/2 13/9 15/13 21/2 33/17 34/23 40/11 127/7</p> <p>session [3] 17/22 31/12 99/15</p> <p>sessions [4] 29/1 30/19 30/19 31/16</p> <p>set [9] 3/22 8/18 31/17 35/7 40/13 89/11 92/17 98/8 128/2</p> <p>setting [1] 34/21</p> <p>several [7] 27/1 29/25 73/12 73/14 100/18 108/13 121/18</p> <p>severe [7] 39/13 39/13 42/21 42/22 43/3 43/6 44/2</p> <p>sexual [2] 5/23 64/9</p> <p>shall [1] 127/11</p> <p>share [6] 29/7 63/3 65/24 107/6 113/6 113/23</p>	<p>shared [13] 9/1 19/5 27/19 27/20 34/12 51/3 89/1 93/20 99/21 99/22 107/18 107/21 115/17</p> <p>shared-care [1] 34/12</p> <p>sharing [4] 72/7 79/4 88/18 110/17</p> <p>she [6] 35/11 94/16 94/17 94/19 107/6 107/8</p> <p>she's [2] 105/15 105/16</p> <p>sheet [1] 96/22</p> <p>shelf [1] 122/4</p> <p>shook [1] 112/6</p> <p>short [4] 12/23 58/18 114/16 115/10</p> <p>shorter [1] 72/25</p> <p>should [15] 1/18 16/10 38/12 39/7 52/5 80/5 92/2 98/19 103/1 104/14 115/19 116/7 126/12 128/11 128/17</p> <p>show [2] 80/6 84/3</p> <p>shown [1] 124/12</p> <p>side [8] 60/15 67/3 72/10 75/8 75/25 76/20 77/2 123/25</p> <p>sign [2] 105/21 105/21</p> <p>signal [1] 84/5</p> <p>signature [1] 99/19</p> <p>signed [2] 55/3 97/19</p> <p>significant [7] 5/16 39/19 67/3 72/11 74/24 75/3 84/11</p> <p>significantly [2] 40/20 111/19</p> <p>signpost [3] 60/16 73/10 92/25</p> <p>signposted [1] 82/16</p> <p>signposting [3] 30/5 31/3 76/17</p> <p>similar [4] 40/13 53/23 55/1 127/2</p> <p>similarly [1] 123/3</p> <p>simple [1] 103/13</p> <p>simply [3] 31/3 55/17 92/10</p> <p>since [6] 23/6 25/20 28/9 42/10 44/14 76/11</p> <p>since 2008 [1] 44/14</p> <p>single [5] 11/8 25/3 35/12 38/9 109/1</p> <p>single-handed [1] 109/1</p> <p>sir [12] 12/10 13/3 58/8 81/13 81/17 94/8 114/19 115/3 115/14 117/12 117/18 129/4</p>
--	---	---	--	--	--

<p>S</p> <p>sister [3] 11/13 24/17 107/4</p> <p>Sister Colette McAfee [1] 11/13</p> <p>sisters [1] 73/16</p> <p>sit [1] 105/19</p> <p>site [7] 15/15 21/17 30/8 39/5 39/6 70/4 109/19</p> <p>sits [1] 37/22</p> <p>sitting [2] 26/2 96/17</p> <p>situation [7] 61/21 62/10 83/21 88/25 100/6 102/22 110/16</p> <p>situations [1] 82/14</p> <p>six [11] 15/23 39/14 39/22 40/22 40/25 79/16 80/3 80/9 81/24 125/14 125/20</p> <p>six-monthly [6] 39/14 39/22 40/25 79/16 80/3 80/9</p> <p>sketched [1] 4/4</p> <p>skin [1] 110/8</p> <p>Skinner [1] 87/24</p> <p>Skipton [11] 59/9 62/15 100/17 100/24 102/5 102/13 102/17 102/23 103/11 104/17 113/2</p> <p>Skipton Fund [3] 59/9 102/5 102/23</p> <p>slash [1] 98/13</p> <p>slight [1] 88/17</p> <p>slightly [2] 34/23 43/10</p> <p>slotted [1] 36/3</p> <p>small [1] 41/22</p> <p>smaller [2] 42/20 126/20</p> <p>smoking [1] 74/11</p> <p>smooth [1] 60/7</p> <p>snapshot [1] 11/23</p> <p>snow [3] 111/21 111/22 112/7</p> <p>so [237]</p> <p>social [20] 4/16 19/15 22/10 23/8 23/10 23/11 24/13 27/2 27/16 27/25 28/2 28/20 33/14 39/5 76/15 85/16 93/3 97/13 119/5 120/16</p> <p>Society [2] 41/5 126/15</p> <p>solve [1] 118/10</p> <p>some [47] 2/22 3/7 11/5 18/9 18/15 20/9 21/11 29/15 32/4 34/16 41/11 41/13</p>	<p>42/14 43/10 48/4</p> <p>56/16 68/4 72/5 74/4 77/13 82/14 85/2 86/2 86/17 86/18 86/20</p> <p>93/24 97/3 97/4 98/2 98/14 99/18 100/8 100/21 102/1 102/2 104/10 110/10 112/23 113/5 113/11 113/16 114/19 125/3 127/20 127/22 128/20</p> <p>somebody [3] 118/3 119/15 121/8</p> <p>somebody's [1] 106/19</p> <p>someone [1] 42/18</p> <p>something [23] 12/8 13/19 13/21 13/22 20/19 22/23 28/14 47/21 53/23 54/1 64/18 74/18 74/21 77/23 79/8 80/20 89/6 106/15 112/22 115/20 118/8 118/15 121/11</p> <p>sometimes [9] 17/8 34/19 47/25 60/14 88/17 96/6 98/16 116/5 119/16</p> <p>somewhat [1] 7/14</p> <p>somewhere [1] 9/13</p> <p>son [4] 105/8 105/10 105/13 116/11</p> <p>sons [3] 35/19 116/4 116/9</p> <p>soon [2] 24/14 41/4</p> <p>sorry [14] 3/10 10/7 37/2 56/17 57/20 80/17 80/18 101/16 104/5 105/15 106/2 106/21 115/12 117/13</p> <p>sort [15] 9/18 10/19 21/20 28/3 34/12 34/13 45/18 61/16 68/24 70/1 74/5 85/13 111/20 121/11 123/4</p> <p>sorts [4] 31/6 50/9 50/24 80/14</p> <p>sought [2] 27/15 71/13</p> <p>Soumik [8] 2/8 12/1 19/10 22/6 42/24 63/6 87/4 94/1</p> <p>sound [1] 10/2</p> <p>source [2] 17/16 62/20</p> <p>sourced [1] 49/19</p> <p>South [1] 121/12</p> <p>space [3] 9/3 98/7 98/8</p> <p>speak [2] 14/3 24/10</p> <p>special [2] 4/12 54/2</p> <p>specialist [15] 3/4</p>	<p>3/13 6/7 10/16 11/9 11/11 15/17 19/24 24/18 36/1 36/22 37/5 59/22 65/5 78/4</p> <p>specialists [2] 11/13 24/20</p> <p>specially [1] 26/9</p> <p>specialty-trained [1] 26/9</p> <p>specialty [15] 5/12 7/16 9/14 9/19 11/19 13/24 14/22 23/22 27/5 27/20 37/7 39/1 41/12 52/7 123/18</p> <p>specialty-specific [1] 41/12</p> <p>specific [12] 3/25 24/9 25/14 26/7 28/15 30/3 41/12 52/16 58/3 75/10 85/10 119/25</p> <p>specifically [2] 34/15 58/2</p> <p>specification [1] 22/18</p> <p>specified [1] 59/24</p> <p>speed [1] 38/23</p> <p>spelling [1] 86/24</p> <p>spend [5] 3/24 5/14 10/10 10/11 127/15</p> <p>spent [4] 3/7 5/16 50/4 125/20</p> <p>spleen [5] 88/5 88/13 88/24 90/5 90/5</p> <p>split [1] 69/5</p> <p>split themselves [1] 69/5</p> <p>spoke [1] 123/4</p> <p>spoken [4] 18/6 35/1 51/11 102/22</p> <p>sponsored [2] 108/15 109/22</p> <p>spotlight [1] 126/21</p> <p>spouses [2] 116/2 117/9</p> <p>spreadsheets [1] 22/25</p> <p>stabilise [1] 121/22</p> <p>staff [17] 11/14 11/16 14/14 15/8 17/14 20/20 21/7 22/21 24/15 25/5 42/4 53/9 53/9 57/11 67/18 71/22 108/8</p> <p>staff's [1] 23/6</p> <p>staffed [1] 37/5</p> <p>staffing [6] 11/5 14/1 14/7 19/12 21/22 24/12</p> <p>stage [15] 1/15 5/25 35/15 65/12 75/1 75/24 77/10 78/5 78/9 78/16 81/9 86/22</p>	<p>89/24 110/3 117/21</p> <p>stages [1] 60/23</p> <p>stamped [1] 16/15</p> <p>stance [1] 64/11</p> <p>stand [2] 21/20 114/2</p> <p>standard [9] 47/3 54/4 65/15 67/2 68/15 76/24 83/16 91/7 109/14</p> <p>standby [3] 15/3 37/16 37/23</p> <p>start [13] 2/22 11/6 17/25 28/9 45/16 64/12 68/21 97/17 112/17 117/10 128/1 128/8 128/9</p> <p>started [19] 8/21 15/5 15/23 15/24 29/25 36/18 40/3 41/4 41/4 44/12 45/15 63/11 66/16 68/9 71/9 75/9 78/6 102/11 111/10</p> <p>starting [1] 67/13</p> <p>starts [1] 75/21</p> <p>state [1] 6/3</p> <p>statement [27] 11/7 25/7 31/23 41/1 42/15 43/9 43/25 44/8 44/13 45/3 45/9 56/10 57/4 58/24 61/14 65/2 89/2 93/7 94/2 94/7 94/18 97/15 99/11 108/7 109/21 111/17 128/5</p> <p>statements [4] 56/15 56/17 56/22 128/10</p> <p>stating [1] 50/15</p> <p>stations [1] 38/23</p> <p>stay [2] 10/12 69/19</p> <p>Steady [1] 34/17</p> <p>step [1] 49/8</p> <p>stepping [1] 119/20</p> <p>steps [1] 71/15</p> <p>stereotypical [1] 8/3</p> <p>stigma [1] 107/10</p> <p>still [10] 9/4 29/17 66/14 69/21 104/7 104/14 106/11 106/12 106/25 125/19</p> <p>stipulated [1] 77/14</p> <p>stock [3] 37/21 45/6 122/15</p> <p>stocked [1] 123/2</p> <p>stone [1] 125/18</p> <p>stopped [1] 71/12</p> <p>storage [1] 57/3</p> <p>stored [8] 56/4 56/5 56/14 56/23 96/6 96/10 99/2 122/8</p> <p>stores [1] 55/24</p> <p>stories [2] 107/20 113/12</p> <p>stratify [2] 45/20</p>	<p>45/21</p> <p>strict [1] 95/6</p> <p>strictly [1] 30/19</p> <p>strived [1] 114/14</p> <p>strong [2] 26/1 41/6</p> <p>structure [1] 14/3</p> <p>structured [2] 21/9 76/13</p> <p>struggle [2] 34/1 73/22</p> <p>struggles [1] 76/22</p> <p>struggling [2] 29/21 76/14</p> <p>strung [1] 118/17</p> <p>stuck [4] 32/22 32/23 103/21 103/22</p> <p>student [1] 110/17</p> <p>students [2] 110/17 119/13</p> <p>sub [1] 52/7</p> <p>sub-specialty [1] 52/7</p> <p>subject [5] 19/5 97/18 101/3 117/19 117/20</p> <p>submissions [2] 128/6 128/13</p> <p>submitted [3] 12/5 56/10 56/22</p> <p>subsequent [6] 62/9 63/12 66/3 66/11 66/23 69/17</p> <p>subsequently [1] 15/21</p> <p>substantive [1] 3/16</p> <p>subtype [2] 42/23 88/3</p> <p>success [3] 72/9 73/20 126/5</p> <p>successful [3] 14/19 18/3 42/2</p> <p>such [16] 39/7 41/10 41/10 44/23 46/18 50/20 72/2 74/24 79/7 85/12 88/24 96/3 109/2 110/14 114/5 122/14</p> <p>sudden [1] 112/6</p> <p>suddenly [2] 106/16 121/1</p> <p>suffer [1] 85/7</p> <p>suffered [1] 77/2</p> <p>suffering [1] 121/8</p> <p>suggest [2] 63/9 125/25</p> <p>suggested [2] 17/3 55/16</p> <p>suggesting [1] 127/18</p> <p>suggestions [1] 115/18</p> <p>suggests [1] 67/23</p> <p>suitable [1] 108/25</p> <p>Suite [3] 8/24 94/25 95/3</p>	<p>sum [1] 108/17</p> <p>summary [2] 79/10 96/22</p> <p>summed [1] 111/19</p> <p>sums [1] 124/14</p> <p>supernumerary [1] 6/17</p> <p>support [42] 1/13 3/23 18/4 19/23 20/16 25/4 25/5 25/9 28/1 31/3 41/2 45/22 62/23 67/20 70/13 73/12 73/14 74/1 74/2 76/16 85/16 85/17 88/20 92/9 93/14 94/12 97/9 100/23 104/19 106/13 108/18 108/23 116/25 116/25 118/16 119/24 119/25 120/7 120/21 124/7 124/10 126/14</p> <p>support-type [1] 120/21</p> <p>supported [5] 23/21 35/10 42/13 118/5 123/18</p> <p>supporting [1] 7/11</p> <p>supportive [2] 7/15 104/13</p> <p>suppose [6] 56/15 86/17 110/16 118/2 121/7 122/7</p> <p>suppress [2] 112/8 112/9</p> <p>sure [11] 20/8 21/3 26/12 26/15 46/7 47/19 73/3 102/3 117/17 123/1 123/6</p> <p>surface [1] 127/24</p> <p>surgeons [1] 90/23</p> <p>surgery [5] 6/22 49/24 91/11 91/13 91/22</p> <p>surgical [7] 89/4 89/9 89/18 90/16 90/25 91/18 96/23</p> <p>surveillance [7] 65/18 79/16 79/23 80/1 80/2 80/12 81/23</p> <p>survey [2] 18/6 85/23</p> <p>sustained [1] 65/17</p> <p>sweep [1] 9/18</p> <p>sweep-around [1] 9/18</p> <p>switch [1] 46/16</p> <p>switching [1] 51/1</p> <p>sworn [2] 2/16 129/2</p> <p>symptoms [3] 85/7 85/10 85/12</p> <p>synopsis [1] 50/19</p> <p>syringes [1] 48/2</p> <p>system [9] 12/18 34/17 38/6 38/7 55/9 62/19 75/21 92/22</p>
---	---	--	---	--	---

<p>S</p> <p>system... [1] 95/21</p> <p>systemic [1] 85/14</p> <p>systems [1] 98/1</p> <hr/> <p>T</p> <p>table [1] 43/1</p> <p>tackle [1] 74/9</p> <p>take [35] 2/6 2/15 4/6 7/21 10/20 12/13 12/14 12/20 30/14 33/17 34/3 48/16 54/14 54/15 58/10 58/12 58/14 62/14 67/4 71/15 73/18 76/8 78/24 106/3 106/4 106/5 114/16 116/12 116/13 121/21 122/16 125/14 125/15 126/14 126/23</p> <p>taken [8] 25/20 61/23 70/19 72/23 93/13 118/18 119/18 121/15</p> <p>takes [2] 33/21 119/9</p> <p>taking [6] 6/18 48/20 73/1 85/15 109/12 119/3</p> <p>talk [4] 1/20 1/22 93/7 119/20</p> <p>talked [1] 41/1</p> <p>talking [9] 1/24 1/25 13/1 25/18 57/22 63/24 85/19 105/9 124/18</p> <p>targeted [1] 37/11</p> <p>taste [1] 128/16</p> <p>taught [3] 5/9 5/19 5/21</p> <p>teach [1] 119/13</p> <p>team [72] 6/19 7/11 7/18 14/11 14/14 15/2 16/4 16/16 17/1 17/4 17/11 17/13 17/23 18/5 19/17 19/22 20/11 24/6 25/17 26/5 26/23 30/22 31/1 31/24 33/12 34/6 34/10 34/11 34/15 35/10 35/14 36/1 36/4 36/5 36/10 36/12 36/14 37/24 38/2 39/2 40/14 53/18 53/19 54/13 54/25 56/11 68/14 70/11 77/20 79/25 82/24 85/1 85/9 89/25 91/10 92/25 93/2 93/5 93/9 93/15 93/16 93/17 93/21 95/17 98/13 104/9 104/9 104/10 123/13 123/18 123/23 125/23</p>	<p>team's [1] 93/11</p> <p>teams [4] 28/23 32/19 33/5 38/9</p> <p>techniques [1] 31/2</p> <p>technology [3] 66/12 77/12 78/18</p> <p>teenager [1] 120/22</p> <p>teenagers [1] 120/18</p> <p>telephone [1] 39/25</p> <p>tell [18] 1/24 7/3 18/7 28/11 34/9 41/3 59/17 85/24 87/18 89/4 90/12 97/6 99/8 102/7 102/25 111/6 114/18 121/24</p> <p>telling [10] 16/19 33/1 51/19 102/8 113/16 113/20 117/23 117/24 119/23 125/7</p> <p>temporary [1] 27/10</p> <p>ten [7] 16/23 66/7 66/7 66/21 66/23 75/6 118/12</p> <p>ten patients [1] 66/21</p> <p>tend [2] 52/19 76/2</p> <p>tendency [1] 98/17</p> <p>tender [5] 45/11 45/17 48/10 48/14 109/13</p> <p>tendered [1] 45/10</p> <p>tendering [1] 108/10</p> <p>tends [1] 19/16</p> <p>teratogenicity [1] 76/4</p> <p>term [8] 18/10 18/14 18/19 72/21 72/25 73/21 85/13 118/3</p> <p>terms [21] 14/7 21/22 24/12 24/15 26/21 35/22 36/25 38/14 45/8 56/6 59/17 61/2 65/1 70/13 78/20 79/12 83/17 91/16 95/10 95/25 124/8</p> <p>test [14] 12/16 51/15 53/4 53/15 53/22 54/7 54/17 54/20 55/14 62/9 79/24 83/1 84/18 86/8</p> <p>tested [3] 57/5 57/7 63/16</p> <p>testimony [2] 107/19 113/1</p> <p>testing [9] 54/4 54/4 55/22 56/1 57/13 62/3 62/12 62/22 103/14</p> <p>tests [21] 5/24 17/18 51/12 51/22 51/23 52/24 53/18 53/20 54/5 54/15 55/6 55/11 55/19 66/4 71/2 78/9 82/6 83/18 84/4 84/4 84/22</p>	<p>than [17] 13/15 22/11 23/9 26/12 27/10 27/10 30/14 31/3 35/2 35/4 43/13 58/7 68/3 75/21 85/1 105/10 110/4</p> <p>thank [20] 1/6 2/18 2/21 12/21 13/3 22/6 44/10 58/16 63/6 81/17 105/25 115/6 118/19 121/3 123/7 124/11 125/6 125/9 126/10 127/19</p> <p>thanked [1] 105/25</p> <p>Thanks [1] 124/10</p> <p>that [785]</p> <p>that's [53] 1/10 2/25 3/3 3/10 4/10 4/23 6/17 8/3 8/25 11/5 11/10 15/23 21/19 21/24 26/5 27/14 31/25 32/1 32/17 37/2 38/6 44/16 44/19 45/12 50/22 51/14 56/2 59/1 62/5 62/5 68/8 71/13 75/20 78/23 79/1 83/17 87/12 91/21 91/23 92/9 94/16 98/14 98/24 106/14 107/7 110/1 111/23 112/4 113/22 114/13 121/18 122/25 123/7</p> <p>their [176]</p> <p>themselves [1] 107/22</p> <p>them [130]</p> <p>themes [1] 85/25</p> <p>themselves [20] 16/8 16/11 29/6 42/4 43/17 51/8 57/24 60/16 60/16 63/2 68/3 69/3 69/5 74/9 78/24 91/12 93/1 100/2 111/1 111/16</p> <p>then [92] 3/1 3/4 3/19 6/1 10/6 11/12 12/7 17/22 21/22 22/1 22/5 25/3 26/5 26/6 29/21 32/2 33/7 33/18 34/4 34/22 34/23 36/10 36/22 40/8 42/3 42/6 42/10 43/5 43/7 43/22 46/2 48/22 49/9 49/24 50/14 51/7 52/6 53/18 53/19 54/16 54/21 54/25 57/23 60/20 60/22 60/24 62/17 63/4 63/9 63/12 66/21 68/21 70/8 71/4 73/5 75/22 77/10 78/6 78/9 78/9 78/11 82/15 82/17 82/19 86/6 87/2</p>	<p>87/23 88/19 92/24 93/24 95/18 95/20 95/20 97/24 101/4 104/4 104/6 106/6 106/16 106/17 106/18 106/20 107/6 107/7 110/19 112/2 112/6 116/18 119/24 122/17 126/23 127/7</p> <p>then undertook [1] 3/1</p> <p>theoretical [1] 47/17</p> <p>therapeutic [4] 25/9 26/21 69/6 76/13</p> <p>therapeutics [1] 109/10</p> <p>therapies [2] 69/12 77/5</p> <p>therapist [3] 24/25 33/13 39/7</p> <p>therapy [5] 39/18 61/23 65/15 67/19 85/18</p> <p>there [156]</p> <p>there's [35] 9/19 10/14 10/18 14/9 18/2 30/13 30/16 30/22 30/23 31/8 43/1 43/19 47/17 55/3 55/6 62/2 70/22 75/14 76/17 81/2 82/22 84/5 84/23 93/3 109/11 110/16 112/21 113/7 114/7 118/14 118/15 118/15 118/16 120/12 126/8</p> <p>thereabouts [1] 2/11</p> <p>therefore [3] 49/22 122/16 128/5</p> <p>therefore issuing [1] 128/5</p> <p>these [11] 67/19 84/20 87/4 105/19 111/8 113/13 113/16 116/19 116/20 123/24 125/1</p> <p>they [242]</p> <p>they'd [3] 57/23 59/3 64/18</p> <p>they'll [1] 54/14</p> <p>they're [5] 9/16 26/3 51/5 55/15 112/2</p> <p>they've [1] 85/5</p> <p>thick [1] 111/22</p> <p>thing [7] 16/6 35/6 45/23 51/13 103/2 115/23 127/13</p> <p>things [19] 11/23 14/20 15/4 16/21 16/22 25/23 31/2 31/6 40/5 53/2 57/1 60/15 60/20 65/7 101/7 101/25 108/25 124/15</p>	<p>125/1</p> <p>think [143]</p> <p>thinking [2] 73/5 119/2</p> <p>third [2] 40/13 47/1</p> <p>this [50] 2/12 11/4 12/8 13/5 13/6 13/9 13/12 13/15 13/17 15/6 15/8 19/15 19/16 27/13 27/13 38/22 62/3 62/25 64/17 64/17 68/4 69/19 74/17 81/9 86/11 86/19 87/18 87/19 90/7 90/13 94/1 94/7 94/18 94/19 97/6 104/24 105/13 106/19 106/19 112/11 112/16 113/8 116/13 117/22 117/23 123/18 125/15 126/11 127/5 127/12</p> <p>thoroughness [1] 128/3</p> <p>those [99] 26/4 26/6 29/11 30/18 31/6 31/14 32/18 32/19 33/4 33/5 34/4 37/18 38/19 39/25 40/15 41/3 42/17 44/5 44/25 50/2 50/9 50/17 50/24 51/11 51/25 52/9 52/24 53/4 56/8 56/9 56/20 56/21 56/24 56/24 59/6 59/12 59/15 60/23 60/25 63/4 65/14 66/23 69/5 71/6 71/18 71/23 75/12 76/6 76/13 76/23 77/13 78/7 78/13 79/11 79/20 80/4 80/14 80/25 81/6 81/22 83/23 83/25 84/4 85/15 86/2 93/11 97/15 100/22 101/5 101/8 101/10 102/20 102/24 103/11 104/13 104/15 105/1 105/4 106/24 108/3 109/24 111/15 112/18 114/24 116/6 120/4 120/19 120/24 121/2 125/11 125/20 126/13 127/2 127/10 127/14 128/7 128/12 128/13 128/20</p> <p>though [5] 82/12 104/21 126/24 128/4 128/15</p> <p>thought [6] 7/7 15/14 88/5 112/9 114/11 115/13</p> <p>three [15] 4/17 5/14 7/1 10/8 10/10 10/11</p>	<p>24/1 28/1 40/21 44/3 58/25 60/2 61/15 83/14 114/21</p> <p>three-month [2] 10/10 10/11</p> <p>three-monthly [1] 10/8</p> <p>Thrombosis [1] 94/24</p> <p>through [83] 3/9 3/20 3/22 3/23 5/8 5/12 5/13 6/9 16/1 16/24 18/15 18/25 21/14 22/18 26/13 28/22 30/7 30/7 30/24 31/11 35/16 37/11 37/13 43/18 45/10 45/16 46/3 47/16 48/2 48/4 48/18 53/1 53/11 53/15 53/20 54/12 55/20 57/25 59/14 62/19 63/12 66/4 69/14 69/15 73/16 74/3 74/3 74/10 75/14 76/17 76/21 77/22 79/15 79/17 82/5 82/21 82/24 83/18 84/2 85/16 85/19 86/5 89/23 90/2 91/6 96/8 97/19 100/16 100/17 101/4 101/8 103/7 105/17 108/13 108/20 111/6 114/5 118/5 118/16 120/19 125/8 126/2 127/19</p> <p>throughout [4] 3/12 10/9 38/13 124/12</p> <p>throughput [1] 37/24</p> <p>Thursday [2] 1/1 17/23</p> <p>time [113] 1/17 3/7 3/14 3/16 4/2 4/3 5/16 6/7 6/8 6/25 7/2 8/14 8/17 9/17 11/11 11/12 14/12 14/17 17/12 18/3 21/9 21/13 21/16 22/10 22/16 24/1 24/1 24/24 25/20 25/22 26/10 27/7 27/24 29/19 32/9 33/11 35/7 35/11 36/8 44/5 44/7 44/8 45/3 48/6 49/13 49/16 50/4 50/18 52/2 52/13 52/13 53/10 56/11 57/8 57/11 59/5 59/20 60/9 61/18 61/20 62/7 63/1 64/2 65/11 65/23 66/10 66/15 66/25 67/4 71/8 73/5 74/4 74/22 75/19 76/7 76/7 87/2 90/6 90/13 92/17 92/18 92/19 92/21 94/25</p>
---	--	--	--	--	---

<p>T</p> <p>time... [29] 95/18 99/20 100/20 101/3 102/8 102/20 103/15 104/8 104/9 104/10 104/12 105/18 106/3 107/25 108/2 108/12 108/25 108/25 109/2 111/20 114/3 114/7 115/4 118/9 118/12 125/11 127/15 127/16 128/4</p> <p>time-frame [3] 66/10 75/19 104/12</p> <p>timeline [1] 67/8</p> <p>times [9] 3/21 7/12 27/18 56/21 57/2 60/2 83/4 123/25 124/8</p> <p>timetable [1] 15/19</p> <p>timetabling [1] 125/18</p> <p>timing [1] 3/21</p> <p>tireless [1] 97/8</p> <p>Titanic [1] 42/6</p> <p>to [989]</p> <p>to second [1] 46/25</p> <p>today [12] 9/4 51/10 53/5 56/25 59/22 61/20 70/16 75/1 115/17 118/8 118/10 128/5</p> <p>today's [1] 118/7</p> <p>together [6] 14/17 17/15 17/24 33/12 66/15 78/11</p> <p>toilet [1] 9/19</p> <p>told [12] 1/14 12/16 30/18 58/4 63/22 86/8 86/10 90/8 107/14 108/7 113/12 113/12</p> <p>tomorrow's [1] 118/7</p> <p>too [8] 9/25 27/6 37/2 38/3 39/6 100/3 109/12 114/24</p> <p>took [14] 4/18 7/4 7/6 8/13 11/7 25/17 35/23 52/2 62/4 62/12 73/7 87/19 89/20 89/22</p> <p>top [1] 12/3</p> <p>topic [2] 58/3 58/9</p> <p>total [3] 11/16 43/11 106/2</p> <p>touch [1] 15/17</p> <p>touched [4] 30/15 92/14 99/3 115/25</p> <p>tour [1] 93/17</p> <p>towards [10] 7/4 12/2 14/18 15/22 22/1 27/3 87/9 108/18 116/7 124/16</p> <p>tracking [2] 22/22 48/21</p>	<p>traditional [3] 7/5 7/22 8/4</p> <p>traffic [2] 121/10 122/14</p> <p>trained [3] 25/15 26/9 26/22</p> <p>trainee [1] 8/15</p> <p>training [23] 2/24 3/4 3/12 3/18 3/18 3/24 4/1 5/2 5/5 5/8 5/12 5/13 6/15 6/16 6/18 9/21 10/5 10/9 27/3 27/5 28/4 65/5 74/5</p> <p>training throughout [1] 3/12</p> <p>trainings [1] 3/13</p> <p>transfer [4] 6/16 34/8 99/24 120/5</p> <p>transferred [2] 21/17 34/5</p> <p>transfusion [4] 5/6 5/15 87/16 88/7</p> <p>transition [7] 32/8 33/20 34/7 34/10 34/15 60/7 99/24</p> <p>transitional [1] 43/23</p> <p>transitioned [1] 106/16</p> <p>transitioning [1] 110/15</p> <p>transmission [9] 5/7 5/11 5/22 5/23 33/7 49/5 63/23 64/8 64/9</p> <p>transplant [3] 24/6 65/19 78/22</p> <p>transplantation [2] 6/5 36/2</p> <p>transplants [1] 78/24</p> <p>Transport [1] 41/23</p> <p>travel [2] 32/24 108/22</p> <p>travelled [2] 33/12 63/18</p> <p>trawl [1] 100/10</p> <p>trawls [1] 59/14</p> <p>treat [2] 96/11 124/20</p> <p>treated [5] 66/9 69/24 70/14 76/6 85/5</p> <p>treating [1] 119/2</p> <p>treatment [53] 6/5 9/7 18/18 46/10 46/12 49/21 59/17 60/11 60/14 65/1 65/23 66/5 66/6 66/8 66/13 66/17 66/24 67/2 67/5 67/6 68/15 68/18 68/20 69/6 70/5 70/9 70/11 70/20 72/20 73/1 73/7 73/18 75/5 75/8 75/15 76/7 76/9 76/24 77/6 77/12 77/22 80/23 81/1 83/2 83/7 83/11</p>	<p>83/13 83/16 119/7 119/19 121/15 122/20 127/11</p> <p>treatments [5] 69/10 69/16 69/18 78/6 96/23</p> <p>Treloar's [1] 126/21</p> <p>trend [1] 53/17</p> <p>trial [4] 77/15 110/1 110/6 110/7</p> <p>triated [1] 39/24</p> <p>tribute [1] 126/1</p> <p>tried [1] 106/7</p> <p>true [1] 65/9</p> <p>trump [1] 44/8</p> <p>trust [23] 3/23 4/16 13/14 13/17 23/21 27/8 27/20 30/4 89/2 89/11 89/14 89/22 89/24 90/15 91/1 93/9 97/8 101/4 109/10 109/15 109/17 110/11 123/20</p> <p>Trust's [1] 30/5</p> <p>trusts [2] 97/13 102/9</p> <p>try [16] 14/20 14/22 34/17 35/3 47/18 62/22 72/19 73/3 73/6 73/9 86/22 88/8 90/24 112/20 114/12 120/13</p> <p>trying [10] 62/10 74/9 86/15 88/21 93/19 96/16 97/1 97/9 98/11 107/25</p> <p>turn [6] 12/7 14/7 42/24 43/1 67/12 126/20</p> <p>turns [1] 106/20</p> <p>Twenty [2] 67/14 67/15</p> <p>twice [2] 66/10 86/18</p> <p>two [37] 2/7 4/25 8/19 10/11 11/12 11/17 19/11 22/6 22/9 23/17 23/20 24/13 25/5 25/22 33/1 35/25 38/8 42/3 43/6 43/24 48/1 56/7 60/2 66/18 75/22 81/3 81/10 81/18 94/3 106/8 107/20 110/6 114/21 123/2 124/15 124/24 125/10</p> <p>two years [1] 106/8</p> <p>type [10] 34/12 40/18 44/3 46/9 46/12 120/18 120/20 120/21 120/23 123/4</p> <p>types [3] 52/7 56/8 121/2</p> <p>Tyrone [1] 121/13</p>	<p>U</p> <p>UK [7] 34/17 45/5 46/18 49/19 78/14 110/12 126/15</p> <p>UKHCDO [8] 4/21 11/25 67/11 99/6 99/14 101/11 102/15 109/12</p> <p>UKHCDO Advisory [1] 4/21</p> <p>Ulster [1] 42/4</p> <p>ultimately [2] 70/6 90/3</p> <p>ultrasound [5] 79/17 79/18 79/23 80/6 81/24</p> <p>unable [1] 88/20</p> <p>uncertainties [1] 125/19</p> <p>unclear [4] 36/15 59/5 86/23 119/13</p> <p>uncommon [1] 54/7</p> <p>under [15] 6/9 6/25 13/12 14/8 29/17 36/13 62/20 79/13 80/12 83/3 83/6 87/7 89/13 98/4 104/7</p> <p>undergo [1] 82/19</p> <p>undergone [1] 97/12</p> <p>undergraduate [1] 5/7</p> <p>underlying [1] 80/10</p> <p>underneath [1] 110/8</p> <p>understand [12] 11/7 16/13 20/3 34/23 45/9 50/17 55/24 57/4 63/22 118/22 119/22 125/17</p> <p>understanding [10] 5/16 18/19 20/5 58/6 64/3 71/9 86/12 88/9 88/21 106/11</p> <p>understood [2] 89/19 102/21</p> <p>undertake [8] 32/13 32/15 39/3 52/13 52/15 52/23 54/8 62/17</p> <p>undertaken [17] 15/16 28/15 32/15 39/24 42/25 43/14 45/24 46/2 52/9 52/11 55/11 55/14 55/15 74/4 79/20 81/1 99/13</p> <p>undertaking [3] 11/18 82/25 100/4</p> <p>undertook [3] 3/1 18/7 102/5</p> <p>underway [1] 31/17</p> <p>undue [1] 64/21</p> <p>unexpected [1] 60/15</p> <p>unforget [1] 114/6</p>	<p>unfortunately [1] 61/5</p> <p>unit [9] 10/22 10/23 46/3 46/4 67/18 67/18 67/22 67/25 121/16</p> <p>United [1] 110/22</p> <p>United Kingdom [1] 110/22</p> <p>unless [1] 105/3</p> <p>unnoticed [1] 125/1</p> <p>unpick [1] 67/8</p> <p>unrepresented [1] 128/8</p> <p>until [7] 18/21 25/10 26/23 50/11 92/4 114/22 128/24</p> <p>unusual [2] 35/1 88/6</p> <p>up [62] 3/22 4/6 4/18 6/22 8/13 8/18 11/4 11/7 12/8 12/25 14/25 15/7 16/4 17/17 18/21 19/9 22/23 26/16 29/5 29/23 32/24 33/9 33/12 35/23 36/5 36/20 38/2 38/4 40/25 41/15 41/20 42/24 46/5 48/19 51/20 53/2 60/13 63/8 66/3 66/6 69/8 69/9 69/12 70/2 70/6 70/21 72/16 73/5 81/9 84/10 89/11 90/17 93/9 101/17 105/6 105/8 106/8 107/8 111/19 121/13 124/14 127/9</p> <p>up-to-date [2] 46/5 60/13</p> <p>update [2] 51/7 64/4</p> <p>updated [5] 47/19 59/9 67/7 89/8 99/22</p> <p>updates [1] 108/9</p> <p>upfront [1] 76/20</p> <p>upheld [1] 47/21</p> <p>uphold [1] 124/9</p> <p>uphold the [1] 124/9</p> <p>uploaded [2] 101/1 101/21</p> <p>upon [1] 126/5</p> <p>upset [1] 19/6</p> <p>uptake [1] 31/8</p> <p>us [46] 1/6 7/3 8/13 16/12 18/7 24/21 27/12 28/11 29/16 31/5 33/1 33/9 33/18 34/9 37/15 41/3 41/21 46/24 47/2 52/3 52/22 57/2 58/14 59/18 63/18 77/24 85/24 87/18 89/4 90/12 97/6 99/8 102/7 102/25 103/6 106/16 107/21 108/7 109/20 111/7 112/13 113/11 114/18</p>	<p>116/14 125/7 127/2</p> <p>usage [1] 48/22</p> <p>use [10] 23/1 25/25 34/17 39/24 45/23 98/1 100/16 100/22 122/17 128/4</p> <p>used [16] 18/12 22/25 23/3 44/12 44/12 45/6 65/25 91/15 98/19 99/22 100/23 106/6 118/21 121/5 121/6 124/23</p> <p>useful [1] 96/22</p> <p>using [6] 32/18 33/4 50/20 55/12 62/20 67/2</p> <p>usually [1] 35/2</p> <p>utilise [1] 103/9</p> <p>utilised [1] 80/22</p> <p>V</p> <p>vaccination [1] 50/3</p> <p>vaccine [1] 50/5</p> <p>values [1] 119/8</p> <p>variable [1] 28/14</p> <p>variant [9] 19/4 86/6 88/14 88/23 89/9 89/14 91/5 91/13 92/15</p> <p>varied [1] 28/16</p> <p>various [6] 3/1 41/24 86/14 97/13 101/25 102/9</p> <p>vast [14] 40/22 65/12 69/7 96/21 97/17 97/22 98/25 100/21 102/10 107/17 107/25 108/19 111/1 122/20</p> <p>vCJD [7] 85/21 85/22 87/7 87/15 89/3 90/13 92/7</p> <p>venapuncture [1] 47/14</p> <p>versed [1] 49/11</p> <p>version [3] 111/15 111/16 120/8</p> <p>versus [1] 47/1</p> <p>very [71] 1/25 5/6 5/9 5/13 7/15 7/17 8/3 8/16 9/20 10/4 13/18 14/14 16/6 18/13 20/15 20/21 21/15 22/25 23/20 24/7 26/23 27/3 27/23 27/25 30/19 31/6 34/12 35/13 42/2 42/5 49/11 54/24 68/7 70/16 72/4 73/3 73/13 73/19 77/18 82/24 82/25 83/21 83/22 85/7 86/11 86/20 86/23 87/20 91/2</p>
---	---	--	---	---	--

V	walked [1] 123/25 want [23] 4/3 4/25 6/6 10/2 11/4 13/6 34/22 47/23 48/16 67/8 69/19 81/10 81/17 85/21 93/24 94/3 108/6 121/4 125/10 125/15 127/13 127/19 127/24 wanted [2] 105/13 124/20 wants [1] 119/7 ward [1] 41/14 warned [1] 12/17 warrant [1] 113/18 was [263] was invaluable [1] 23/10 wasn't [7] 6/11 25/10 26/22 65/8 73/2 74/24 113/24 waste [1] 106/2 watched [1] 113/13 watching [6] 2/11 35/21 56/7 94/5 125/11 127/16 way [16] 8/8 26/4 38/12 41/9 45/15 51/14 71/13 74/10 79/2 104/16 104/24 109/14 111/23 112/23 112/24 113/16 ways [2] 8/8 33/25 We [285] We may [1] 10/1 we'd [1] 112/19 we'll [12] 1/17 11/3 12/9 12/14 12/20 13/5 13/11 19/7 54/14 60/18 115/8 125/20 we're [19] 12/9 13/6 16/11 25/18 32/22 32/23 46/21 46/22 47/13 50/13 53/16 55/22 69/19 80/15 102/5 103/21 103/22 118/12 120/17 we've [11] 4/4 7/19 9/24 12/11 53/17 57/17 78/24 115/21 117/12 120/9 125/12 wearing [1] 2/4 weather [2] 1/7 128/16 Wednesday [1] 40/13 week [5] 17/17 28/12 28/18 119/21 128/24 weekend [4] 17/20 36/17 38/5 38/13 weekends [1] 28/17 weekly [1] 65/3 weeks [7] 15/23 75/22	80/24 80/24 117/8 125/14 125/20 weighting [1] 45/21 weights [1] 113/4 welcome [1] 117/9 well [49] 5/22 6/23 7/24 9/5 9/17 10/21 15/14 20/8 20/25 24/23 30/21 32/5 41/19 47/4 49/11 53/21 54/25 55/5 56/15 56/20 58/23 62/21 63/1 66/7 67/1 68/12 69/14 72/24 74/7 76/1 76/16 77/19 86/18 88/3 91/2 102/13 103/12 103/16 104/1 111/1 114/20 115/24 117/11 119/6 120/24 123/15 125/20 126/13 128/15 went [6] 63/11 89/5 90/18 101/7 102/25 105/17 were [188] weren't [4] 18/14 26/15 86/25 94/5 west [5] 30/1 32/15 34/13 121/13 122/11 WFH [1] 87/14 what [133] what's [7] 24/15 41/11 45/13 46/20 60/24 86/3 92/22 whatever [4] 71/10 91/23 105/12 114/22 WhatsApp [1] 38/11 whatsoever [1] 84/23 when [53] 1/25 4/20 8/12 11/6 11/24 14/13 21/7 23/15 27/18 31/4 35/23 38/12 44/12 46/9 49/1 49/1 51/10 54/21 58/24 59/18 61/12 61/25 62/3 62/10 62/12 63/21 63/24 64/15 64/16 65/6 67/10 68/19 69/19 70/6 74/15 89/6 90/16 93/7 94/17 94/19 95/10 96/11 100/4 100/13 100/14 102/11 102/23 107/9 111/14 117/21 124/16 124/19 128/13 whenever [29] 23/10 26/25 29/6 33/11 35/9 35/11 37/25 40/2 43/17 45/14 46/17 48/19 50/13 53/18 59/8 60/17 61/7 63/11 64/2 65/8 66/11 95/18	96/15 107/20 111/10 112/14 116/5 116/9 122/11 where [30] 5/15 10/2 10/14 23/2 26/5 31/24 34/14 35/8 36/1 36/3 37/16 57/21 68/8 80/14 84/3 91/1 93/18 95/11 96/5 96/7 96/10 98/14 100/7 101/8 103/25 110/24 112/2 122/7 122/13 122/25 whereas [1] 67/17 whereby [3] 38/11 40/14 46/14 whether [30] 32/2 32/4 47/8 48/11 48/15 48/23 56/4 59/2 59/3 64/22 67/24 67/25 69/21 69/22 69/24 69/25 77/23 81/4 81/20 82/20 98/12 100/5 100/5 106/23 107/13 107/14 112/21 123/1 123/3 123/6 which [51] 1/25 4/2 8/24 9/5 9/5 9/7 9/15 10/20 12/17 14/4 15/15 15/21 21/13 23/10 29/24 29/25 30/22 40/19 41/17 42/24 43/12 44/3 47/14 61/6 61/16 62/3 66/9 66/16 68/12 70/4 71/11 78/9 79/17 83/14 84/18 87/11 90/14 94/3 96/7 96/22 100/19 102/1 110/7 120/9 120/18 121/16 122/19 124/12 124/13 126/17 127/21 while [6] 12/9 13/6 41/10 50/6 120/5 120/7 whilst [8] 14/20 24/5 64/21 69/10 91/11 118/10 120/11 123/23 whirling [1] 112/7 white [1] 51/18 who [111] 1/24 2/3 2/8 2/11 3/20 6/14 15/17 16/1 17/5 17/21 24/5 24/14 29/10 29/11 29/14 29/17 30/15 31/14 35/19 35/19 37/5 37/7 37/19 39/3 43/16 43/19 43/20 43/21 44/19 51/25 52/8 53/11 54/6 54/9 56/9 56/21 56/24 56/25 58/22 59/6 59/12 59/22 60/25	61/11 61/19 61/21 62/18 63/4 63/8 63/17 65/12 65/14 66/13 66/18 66/19 68/24 68/25 69/6 70/14 76/6 76/13 76/23 78/7 78/21 79/12 80/12 80/25 81/2 81/11 81/19 81/23 81/25 82/10 83/2 83/5 83/8 85/5 87/14 87/20 88/2 88/13 89/5 89/13 90/23 91/2 91/11 93/11 96/17 97/3 97/4 101/6 102/19 102/24 103/1 104/6 106/24 107/1 108/2 110/5 110/10 113/11 113/11 114/24 116/3 120/20 121/8 125/11 126/18 127/10 127/14 128/7 whoever [1] 1/22 whole [9] 9/17 19/20 24/1 26/5 27/7 31/20 40/14 103/2 119/4 whole-time [2] 24/1 27/7 whom [6] 2/2 36/6 92/7 100/21 103/4 110/6 whose [1] 111/18 why [8] 28/6 33/22 33/22 33/25 53/16 102/3 114/4 114/5 Wi [1] 12/18 widows [1] 117/9 wife [2] 76/7 111/18 Wilde [1] 24/3 will [78] 2/3 2/6 2/8 9/6 9/25 10/10 10/11 10/20 24/1 24/14 31/24 32/11 32/24 33/25 34/1 34/8 38/15 38/24 38/25 39/2 39/3 39/11 42/20 44/5 46/14 49/22 51/16 53/11 54/23 57/18 58/13 59/25 60/5 60/16 65/10 69/18 74/25 75/16 76/2 80/4 81/14 91/6 91/7 91/9 94/4 94/8 98/21 98/22 98/22 99/10 111/17 113/5 114/21 115/7 116/21 119/13 121/20 122/16 122/17 122/19 122/19 124/1 125/13 125/17 125/20 126/9 126/14 126/16 126/18 126/22 126/24 126/25 127/1 127/3 127/5 127/7 128/12 128/13	Willebrand [3] 45/4 49/16 51/25 Willebrand's [10] 40/12 40/16 40/18 40/23 42/19 43/8 44/3 44/25 49/3 57/7 willing [2] 82/25 85/1 Winter [1] 11/21 wish [4] 30/6 47/6 117/17 128/22 wished [3] 24/10 36/22 71/3 wishing [1] 95/8 with [527] with previous [1] 69/5 withdrew [1] 46/17 within [53] 3/14 4/16 5/14 7/16 9/5 10/19 10/23 11/1 11/18 14/2 14/13 14/21 19/21 25/15 31/19 32/12 33/15 40/20 41/5 44/12 45/5 45/6 45/13 65/21 68/13 68/22 68/25 70/14 76/11 83/23 84/5 85/8 88/4 91/1 92/25 94/13 95/2 95/14 95/15 95/20 100/19 102/18 105/4 107/22 107/22 110/22 111/11 115/21 120/15 120/22 122/8 122/10 123/20 without [2] 2/14 16/25 WITN3082023 [1] 62/1 WITN3082025 [3] 12/1 13/4 19/10 WITN3082026 [2] 21/23 67/12 WITN3082028 [1] 42/24 WITN4027001 [1] 94/1 witness [1] 93/7 witnessed [1] 5/25 witnesses [3] 85/5 126/22 127/8 wives [1] 116/1 woman [1] 105/13 women [6] 15/25 34/25 43/19 54/9 108/3 116/20 wonder [2] 12/13 58/9 word [6] 25/25 98/9 120/4 124/23 124/24 125/10 wording [2] 46/7 98/19 words [1] 33/2 work [24] 6/9 6/25 17/7 17/8 22/10 25/2 25/24 27/16 30/22 32/6 37/1 70/15 75/21
W	wait [3] 61/24 84/12 114/22 waiting [4] 10/18 10/19 29/23 114/7 Wales [1] 45/25				

<p>W</p> <p>work... [11] 85/17 93/11 99/13 104/6 107/2 109/6 119/6 125/23 126/8 126/11 126/24</p> <p>worked [4] 15/14 34/16 70/19 104/11</p> <p>worker [14] 19/15 23/9 23/10 23/12 24/13 27/2 27/25 28/2 28/20 33/14 39/6 76/15 93/3 120/16</p> <p>working [11] 7/9 7/10 14/17 17/11 24/20 28/18 34/6 35/9 40/4 71/20 89/15</p> <p>working with [1] 7/10</p> <p>workload [1] 23/25</p> <p>works [1] 120/16</p> <p>world [4] 87/20 87/23 89/8 114/12</p> <p>worried [1] 82/14</p> <p>worries [1] 92/24</p> <p>would [162]</p> <p>wouldn't [5] 8/6 8/7 50/10 72/24 84/11</p> <p>write [5] 79/11 86/22 92/15 92/18 92/20</p> <p>written [7] 16/7 41/18 48/8 50/8 86/17 94/14 101/9</p>	<p>62/5 69/2 71/18 72/4 82/22 83/10 83/19 84/10 86/1 90/18 92/13 93/13 93/21 97/8 103/2 106/21 107/2 109/2 112/14 114/10 115/6 118/2 119/9 121/18 123/12 128/9</p> <p>yesterday [6] 12/16 58/21 94/4 94/5 94/8 97/15</p> <p>yesterday's [1] 92/13</p> <p>yet [2] 1/21 113/19</p> <p>you [339]</p> <p>you'd [2] 52/22 106/23</p> <p>you'll [1] 1/16</p> <p>you're [7] 46/10 49/1 51/10 55/18 66/9 83/25 112/15</p> <p>you've [13] 6/8 24/12 41/1 43/10 56/18 63/7 78/20 79/13 102/22 103/7 108/7 111/4 124/12</p> <p>young [9] 34/18 34/25 34/25 63/17 76/3 116/20 116/20 120/2 120/20</p> <p>younger [3] 35/15 111/16 116/9</p> <p>youngsters [1] 120/2</p> <p>your [76] 2/12 2/23 2/23 4/3 4/4 4/6 5/2 6/6 8/12 8/13 11/7 20/20 25/7 27/13 27/16 31/23 34/11 35/23 41/1 42/15 43/9 43/25 44/13 45/9 45/13 55/16 57/4 58/24 62/11 63/8 63/21 63/24 68/23 74/16 74/17 80/11 85/21 87/2 89/2 89/5 90/7 91/16 92/6 93/7 93/16 97/5 97/6 101/17 101/19 102/8 106/3 108/7 108/12 109/21 111/4 111/7 112/12 112/15 115/16 117/21 119/18 121/4 124/13 124/15 124/24 125/2 125/4 125/4 125/6 126/3 126/6 126/7 126/7 126/9 127/19 128/10</p> <p>yourself [1] 70/2</p>				
<p>Y</p> <p>Yeah [1] 107/17</p> <p>year [9] 3/25 10/9 18/22 35/7 40/8 40/8 60/2 81/3 128/21</p> <p>years [33] 4/17 13/15 16/23 21/1 23/18 29/25 33/22 35/9 35/17 41/3 41/14 46/13 46/17 47/6 49/6 49/11 52/16 63/15 71/6 83/15 83/16 95/8 105/10 105/14 106/8 106/8 107/20 111/15 111/17 113/20 116/23 121/19 123/16</p> <p>years' [2] 118/9 118/12</p> <p>yes [62] 1/5 1/10 1/12 2/21 2/25 3/3 3/6 3/10 4/11 4/17 4/23 7/1 12/12 18/9 22/17 26/24 27/18 30/13 32/1 38/7 41/4 44/16 45/3 51/1 52/25 53/24 55/18 56/2 57/9 58/11 58/20 59/1 59/16 59/20 60/12 61/13</p>	<p>Z</p> <p>zero [1] 64/10</p> <p>Zoom [1] 28/23</p>				