

1 **Monday, 2nd November 2020**

2 **(10.00 am)**

3 **SIR BRIAN LANGSTAFF:** Just before we start this morning,

4 a number of you may have been wondering what the

5 Inquiry's position will be following the

6 Prime Minister's statement over the weekend that he

7 proposes to put proposals before Parliament on

8 Wednesday. I'll make a statement about this saying

9 what we propose to do in the light of current

10 knowledge at the close of proceedings today.

11 **MS RICHARDS:** So this morning, sir, we have

12 Professor Preston. Are you able to hear me,

13 Professor Preston?

14 **THE WITNESS:** Yes, do I need to put a mask on?

15 **MS RICHARDS:** You don't.

16 **SIR BRIAN LANGSTAFF:** You don't. I do because I shan't be

17 saying very much. Can you hear me all right?

18 **THE WITNESS:** Yes, I can hear you.

19 **SIR BRIAN LANGSTAFF:** Right, well, I won't be saying very

20 much, I'll be wearing a mask, everyone else here is

21 wearing a mask except for you, you don't have to, and

22 Ms Richards, who is asking you the questions.

23 **THE WITNESS:** Thank you.

24 **SIR BRIAN LANGSTAFF:** Now before we start, we're going to

25 ask you to take the oath. You want to affirm,

1

1 I understand, and Mary will now ask you to affirm.

2 **THE WITNESS:** I don't mind doing it. What do I do?

3 **FRANCIS ERIC PRESTON (affirmed)**

4 **Examined by MS RICHARDS**

5 **MS RICHARDS:** Professor Preston, I'm going to be asking

6 you some questions, and from time to time I'll be

7 referring to some documents. You've got documents

8 I think with you in paper form, and when I refer to

9 documents, your wife is going to find the paper copy

10 and provide it to you. Okay?

11 **A.** Okay, yes.

12 **Q.** So I am just going to start with a few questions about

13 your career.

14 After you qualified as a doctor, I understand that

15 you worked in the Royal Army Medical Corps for

16 a number of years; is that right?

17 **A.** Correct.

18 **Q.** And that was from 1964 to 1972, according to your CV.

19 Is that where you developed an interest in haematology

20 or did you already have that interest?

21 **A.** No, that's when I developed an interest in

22 haematology.

23 **Q.** Did you train in haematology at all whilst you were in

24 the Royal Army Medical Corps?

25 **A.** No, when I was in the Royal Army Medical Corps I was

2

1 a haematologist.

2 **Q.** And then when you came out of the Royal Army Medical

3 Corps, you took up a post first of all as a senior

4 registrar in haematology at the Sheffield Royal

5 Infirmary; is that right?

6 **A.** Correct.

7 **Q.** Then in I think around 1974 you were appointed

8 a consultant in haematology, to start with at the

9 Royal Infirmary, and then that moved to the Royal

10 Hallamshire Hospital in Sheffield.

11 **A.** Correct.

12 **Q.** I think to start with, Professor Blackburn was still

13 working with you and he was the director of the

14 Sheffield Centre in the 1970s when you joined?

15 **A.** Yes.

16 **Q.** Then did you take over from Professor Blackburn when

17 he retired?

18 **A.** Yes.

19 **Q.** Do you recall roughly the year when you became

20 director of the Sheffield Centre?

21 **A.** No.

22 **Q.** We can see that Professor Blackburn stopped attending

23 the Reference Centre Director meetings in about 1980,

24 but do you think might that have been the point at

25 which you took over at the director?

3

1 **A.** Possibly.

2 **Q.** Okay. If you don't remember, don't worry.

3 **A.** I don't remember.

4 **Q.** And you remained director at the Sheffield Haemophilia

5 Centre until your retirement in 2000?

6 **A.** Correct.

7 **Q.** You were also a member of the UKHCDO, and you'd attend

8 the annual meetings and the Reference Centre Director

9 meetings?

10 **A.** Yes.

11 **Q.** I'll come and ask you a few further questions about

12 that at a later stage, Professor.

13 And you were part of the UKHCDO's Hepatitis

14 Working Party for I think many years and then it

15 became the Chronic Liver Disease Working Party and you

16 chaired that?

17 **A.** Yes.

18 **Q.** Your CV also tells us you were part of the Haemophilia

19 Society's medical advisory panel from 1988 to 1995?

20 **A.** Yes.

21 **Q.** Now I'm going to be asking you questions about events

22 a long time ago, Professor. If you're able to, can

23 you tell us a little about the facilities at the

24 Sheffield Haemophilia Centre in the 1970s when you

25 were working there as a consultant?

4

1 **A.** The facilities? Gosh. I'm not quite sure what you're
 2 asking for.
 3 **Q.** Well, it might be quicker if I read to you
 4 a description that's been given to us by
 5 Professor Makris who you worked with for many years
 6 from 1987 onwards?
 7 **A.** Yes.
 8 **Q.** He's told us what the Centre was like when he joined
 9 and perhaps that will help. So I'll read his
 10 description.
 11 **A.** Thank you.
 12 **Q.** He says that he started in July 1987 as a general
 13 haematology trainee. Although the name of the
 14 Sheffield Haemophilia Centre existed, this was
 15 a virtual rather than a physical entity; patients were
 16 seen and clinics were held on the haematology ward,
 17 ward P2.
 18 He says that the care was overseen by two
 19 haematology consultants: you were the director of the
 20 centre and the consultant in charge of haemophilia,
 21 and Dr Mike Greaves covered haemophilia when you
 22 weren't available, but that Dr Greaves otherwise
 23 concentrated on thrombosis and general haematology.
 24 And then he adds:
 25 "There were no junior staff dedicated to

5

1 haemophilia but the team of haematology juniors
 2 covered the service in the same way as they covered
 3 the patients with leukaemia."
 4 Does that sound an accurate description to you,
 5 Professor?
 6 **A.** That is -- yes, that is accurate.
 7 **Q.** And although Sheffield I think had always been
 8 a Reference Centre, you told the Lindsay Tribunal,
 9 when you gave your evidence to that tribunal in
 10 Ireland in 2001, that Sheffield wasn't one of the
 11 larger centres; is that right?
 12 **A.** Correct.
 13 **Q.** Well, we'll have a look in a moment, Professor, at
 14 some documents, the annual returns, but before I do
 15 that, there's just one document, Professor -- I'm
 16 going to put on screen here, but you don't have a copy
 17 of it. I think your legal representative might have
 18 shown you a copy but you and your wife don't have
 19 a hard copy of this document. Don't worry about that.
 20 I'm going to put it on screen so people listening know
 21 it's a document we have.
 22 **A.** Okay.
 23 **Q.** Henry, it's RHAL0000824.
 24 **A.** I can see something but I have to lean forward to see
 25 it.

6

1 **Q.** Don't worry too much about the detail,
 2 Professor Preston. This is a document, it's
 3 a handwritten book and it starts in 1976 and goes
 4 through to 1981, so it runs for about 142 pages. And
 5 in it, it's got the names of patients, we've taken
 6 those names out or covered them up, the nature of
 7 their diagnosis, whether they had haemophilia or
 8 von Willebrand's, and then it describes the treatment
 9 they were given, cryoprecipitate or Lister or
 10 Kryobulin, and the batch numbers, and the reasons for
 11 the treatment.
 12 Now all I wanted to ask you about this document,
 13 Professor, is this a record that shows the treatment
 14 that was given on the ward at the centre?
 15 **A.** First of all, I can't see this -- well, I can see the
 16 document but I can't read it. Could you just repeat
 17 the question, please.
 18 **Q.** Certainly. Was this book or a book like this used on
 19 the ward to record the treatment that patients
 20 received when they came to the ward and were treated
 21 in the hospital?
 22 **A.** The treatment was given in a treatment room which was
 23 on the ward but not in the ward. It was --
 24 **Q.** Carry on.
 25 **A.** I'm not being very clear here. It wasn't in the ward;

7

1 it was -- gosh, how do I explain it? It was inside
 2 the ward but not in the ward.
 3 **Q.** Okay, so in a special room that was --
 4 **A.** Yes.
 5 **Q.** -- physically located on the ward but not part of the
 6 general ward?
 7 **A.** Correct. You were much better than I was.
 8 **Q.** That's all right. And this -- the book we're looking
 9 at -- and if you can't remember anything about the
 10 book, Professor, it's okay to say so.
 11 This appears to be -- well, it's clearly a record
 12 of treatment, and I wondered whether you remembered if
 13 this kind of book was routinely kept to record every
 14 treatment that patients had on the treatment room.
 15 **A.** Well, certainly full complete records were kept of
 16 attendance -- patients' attendance and also their
 17 treatment.
 18 **Q.** Okay. Well, we can look at the book for ourselves so
 19 I don't need to ask you anything further about the
 20 book.
 21 I'm going to put up on our screen now, Professor,
 22 some of the annual returns that were sent from
 23 Sheffield to Oxford, to Ms Spooner at Oxford and
 24 Dr Rizza at Oxford.
 25 I think you have these in hard copy form, and they

8

1 should be your document number 2. I'm not sure
 2 whether your wife was able to find those before, but
 3 if she can't find them, don't worry.
 4 **MRS PRESTON:** I've got them.
 5 **MS RICHARDS:** Great. Thanks very much Mrs Preston.
 6 Henry, could we have, first of all, the 1976
 7 returns, HCDO0000047_009.
 8 **A.** Have I got to look at this? Thank you.
 9 **Q.** It should be form A(1) and says, "Survey of patients
 10 treated at Haemophilia Centres in the [UK], Annual
 11 Return for 1976."
 12 **A.** Correct.
 13 **Q.** And we can see from this, it gives the total number of
 14 haemophiliac patients treated during the year, it
 15 looks like 37?
 16 **A.** Yes.
 17 **Q.** Number with Factor VIII antibodies, four?
 18 **A.** Yes.
 19 **Q.** Total number of Christmas Disease patients treated
 20 during the year, so that's haemophilia B, seven?
 21 **A.** Yes.
 22 **Q.** And then we've got a list of the products that were
 23 used, the material used during the year, and we can
 24 see that it's 90,000-odd units of cryoprecipitate, and
 25 then 28,500 units of NHS Factor VIII?

9

1 **A.** Yes.
 2 **Q.** And then we can see there are three different
 3 commercial concentrates being used, so it's 65,610
 4 units of the Armour Factor VIII?
 5 **A.** Yes.
 6 **Q.** And then a much smaller number, 6,960 units of the
 7 Hemofil.
 8 **A.** Yes.
 9 **Q.** And then 50,596 units of Kryobulin?
 10 **A.** Yes.
 11 **Q.** So in 1976 you were still using a lot of
 12 cryoprecipitate, but the centre had started using
 13 commercial concentrates as well as NHS concentrates?
 14 **A.** Would you repeat what you just said, please?
 15 **Q.** Of course. In 1976, we can see the centre was still
 16 using a lot of cryoprecipitate?
 17 **A.** Yes.
 18 **Q.** But that it started to use NHS concentrates and
 19 commercial concentrates?
 20 **A.** Yes.
 21 **Q.** And then we can see that for patients with Christmas
 22 disease, the treatment was with NHS Factor IX
 23 concentrate?
 24 **A.** Where does it say that? Oh, yes --
 25 **Q.** That's the figure.

10

1 **A.** Yes.
 2 **Q.** 135,790 units.
 3 **A.** Yes, yes.
 4 **Q.** And I think it's right, Professor, from all the
 5 documents we've seen, that the treatment for patients
 6 with haemophilia B, Christmas Disease, pretty much
 7 always remained NHS Factor IX?
 8 **A.** Yes.
 9 **Q.** Well, we'll then look at the annual returns for 1982.
 10 Henry, it's HCDO0000216_008.
 11 We'll just get it on screen here, Professor, while
 12 we try and locate your copy.
 13 **A.** Oh, it's on screen. Sorry, my hearing aid is falling
 14 out. I can see it on the screen, can't I? Yes.
 15 **MRS PRESTON:** It's the same.
 16 **THE WITNESS:** Same document? Oh, that's fine.
 17 **MRS PRESTON:** Which do you want?
 18 **THE WITNESS:** I don't remember what she wants, okay.
 19 **MRS PRESTON:** Give it to me.
 20 **THE WITNESS:** Yes, I can see that, thank you.
 21 **MS RICHARDS:** Great.
 22 We can see here, this the annual return for 1982,
 23 you're down as the director and we can see the numbers
 24 of patients treated during the year, but if we then
 25 just look at the products that were used.

11

1 **A.** Yes.
 2 **Q.** We can see there's still some cryoprecipitate, 75
 3 bags?
 4 **A.** Yes.
 5 **Q.** But we've then got the figures for NHS concentrate:
 6 220,750 units used in hospitals.
 7 **A.** Yes.
 8 **Q.** And 197,170 units used for home treatment?
 9 **A.** Yes, yes.
 10 **Q.** So we can see by this time there's obviously an
 11 established home treatment programme, and
 12 NHS concentrates there being used?
 13 **A.** Yes.
 14 **Q.** And then we can see, if we look down, there are three
 15 commercial concentrates being used, so we have the
 16 Armour Factor VIII.
 17 **A.** Yes.
 18 **Q.** 6,645 units in hospital.
 19 **A.** Yes.
 20 **Q.** 148,900 units for home treatment.
 21 **A.** Yes.
 22 **Q.** And then the Hyland Factor VIII, Hemofil, 8,940 units
 23 used in hospital.
 24 **A.** Yes.
 25 **Q.** 265,430 units used for home treatment.

12

1 A. Yes.
 2 Q. And then Kryobulin, the Immuno Factor VIII, 84,310
 3 units used in hospital.
 4 A. Yes.
 5 Q. And 36,565 units used for home treatment.
 6 A. Yes.
 7 Q. And then we look down the bottom of the page, we can
 8 see also that you're having it says "Bovine/Porcine
 9 Factor VIII [Concentrate]"?
 10 A. Yes.
 11 Q. And there's a figure of 106,500 in hospital?
 12 A. Yes.
 13 Q. Professor Preston, can you remember, with the porcine
 14 Factor VIII, did you use that for patients with
 15 inhibitors only or did you use it more widely?
 16 A. No, just for patients with inhibitors.
 17 Q. Then we can see, it's not very clear, but we can see
 18 some other -- we can see you've used FEIBA and then
 19 other materials, and then you've got down DDAVP and
 20 Autoplex?
 21 A. Yes.
 22 Q. I'll come back and ask you a bit more about DDAVP
 23 later.
 24 A. Thank you.
 25 Q. Then one final set of returns for 1983, we'll just

13

1 look at.
 2 Henry, HCDO0000216_003.
 3 A. I haven't got it yet.
 4 Q. It's come up on the screen, if you're able to see
 5 that, professor, or Mrs Preston might be able to find
 6 a copy for you?
 7 MRS PRESTON: He's got it.
 8 MS RICHARDS: Thank you.
 9 THE WITNESS: I think I've got it. Yes, I've got it,
 10 yeah.
 11 MS RICHARDS: Great so this is the 1983 annual returns,
 12 again we've got the number of patients treated during
 13 the year, so the haemophilia A we've got 40 patients
 14 treated, and one with von Willebrand's. Then we can
 15 see, if we look at the treatments used,
 16 cryoprecipitate, a small amount, 44 bags.
 17 A. Yes.
 18 Q. NHS Factor VIII concentrate, 166,160 used in hospital,
 19 243,005 used for home treatment.
 20 A. Yes.
 21 Q. Then, again, we can see there are three different
 22 commercial concentrates being used, so Armour
 23 Factor VIII, it's not used at all in the hospital that
 24 year, but for home treatment 119,030 units.
 25 A. Yes.

14

1 Q. The Hyland Hemofil, again not used in the hospital at
 2 all, but 42,500 used for home treatment.
 3 A. Yes.
 4 Q. Then the Immuno Factor VIII Kryobulin, 193,660 units
 5 used in hospital, 120,296 units used for home
 6 treatment.
 7 A. Yes.
 8 Q. Again, we can see you're using the porcine Factor VIII
 9 and DDAVP towards the bottom of the page.
 10 A. Yes, thank you.
 11 Q. I won't take you to the records for patients with
 12 haemophilia B but, sir, they do show a consistent use
 13 of the NHS Factor IX and they give the numbers.
 14 A. Okay.
 15 Q. So it would appear, professor, that the use of
 16 cryoprecipitate reduced very significantly in the
 17 second half of the 1970s into the 1980s. You moved
 18 from cryoprecipitate for haemophilia A patients to
 19 factor concentrates; is that right?
 20 A. Correct.
 21 Q. I'm going to ask you some general questions about your
 22 approach to treatment in the 1970s and early 1980s,
 23 professor. I think it's right that you treated only
 24 adults and not children?
 25 A. Correct.

15

1 Q. Children were treated at the Sheffield Children's
 2 Hospital under Dr John Lilleyman?
 3 A. Yes.
 4 Q. Now, you've said in your statement that decisions
 5 about which treatments or which products to use were
 6 down to you. You had the total control, is your words
 7 in the statement, over which products to use.
 8 A. Yes.
 9 Q. Do you recall whether you were part of any local
 10 regional group with other Haemophilia Centre Directors
 11 in your region discussing products and treatment
 12 policies at all?
 13 A. Would you repeat that, please?
 14 Q. Of course. Did you meet on a regular basis with other
 15 Haemophilia Centre Directors in your region to discuss
 16 products?
 17 A. I don't think so.
 18 Q. Do you remember where your Regional Transfusion Centre
 19 was? Was it in Sheffield or was it somewhere else?
 20 A. It was in Sheffield.
 21 Q. Did you have, as far as you can remember, regular
 22 meetings with the director of the local Transfusion
 23 Centre?
 24 A. No, but there was a member of the Transfusion Centre
 25 who worked with us for a period of time. I cannot

16

1 recall the -- I can't recall the period of time, but
 2 it was quite a long time.

3 **Q.** Okay.

4 **A.** But he was working with us in our department.

5 **Q.** Okay. Then you've said in your statement that, for
 6 patients with mild haemophilia A, the treatment you
 7 always sought to use was DDAVP; is that right?

8 **A.** Could you repeat that, please?

9 **Q.** Of course. With patients with mild haemophilia A, was
 10 DDAVP your treatment of choice?

11 **A.** Yes.

12 **Q.** Your statement and your evidence to the
 13 Lindsay Tribunal suggests that you started using DDAVP
 14 as soon as you could, as soon as it was available?

15 **A.** Correct.

16 **Q.** With patients with moderate haemophilia A, can you
 17 recall what your usual treatment for them would have
 18 been?

19 **A.** Would you repeat that, please?

20 **Q.** Of course. For patients with moderate haemophilia A,
 21 what treatment would you usually have used?

22 **A.** I think we would try -- initially we would try DDAVP
 23 and if that was unsuccessful then we would use
 24 Factor VIII concentrate.

25 **Q.** Then we've seen from the annual returns to Oxford that

17

1 you used both NHS factor concentrates and commercial
 2 factor concentrates?

3 **A.** Yes.

4 **Q.** How did you decide who would get the NHS concentrates
 5 and who would get the commercial concentrates?

6 **A.** I think we, in preference, we would have preferred to
 7 have used the NHS concentrate but there was
 8 insufficient material and this is the reason we have
 9 to use commercial concentrates.

10 **Q.** What was the reason that you would have preferred to
 11 use NHS concentrates?

12 **A.** Because we thought it was safer.

13 **Q.** Was that because you thought it was safer because of
 14 smaller pool sizes and volunteer donors?

15 **A.** Yeah, we were confident it was safer with respect to
 16 viral transmission.

17 **Q.** For patients with von Willebrand's disease, can you
 18 recall what treatment you would usually use for those
 19 patients?

20 **A.** I think it depends upon the severity, and initially we
 21 would use or try to -- we would use DDAVP, and if that
 22 was unsuccessful, we would use concentrate.

23 **Q.** Then for haemophilia B patients, I think we can see
 24 from the documents you used NHS Factor IX
 25 concentrates?

18

1 **A.** Correct.

2 **Q.** Now, it's clear that there was an established home
 3 treatment programme at the Sheffield Centre by the
 4 early 1980s. Do you have --

5 **A.** Yes.

6 **Q.** -- any recollection when the home treatment programme
 7 started?

8 **A.** No.

9 **Q.** Do you remember, was there a system for patients on
 10 home treatment to record what treatment they'd taken?

11 **A.** Would you repeat that, please?

12 **Q.** Was there a system for the patients who were treating
 13 themselves at home, did they have to make a written
 14 record of their treatment?

15 **A.** Yes.

16 **Q.** Do you remember whether patients on home treatment,
 17 did they tend to use more concentrates than patients
 18 who were just coming to the hospital?

19 **A.** I cannot remember that.

20 **Q.** You've mentioned that the supply of NHS concentrates,
 21 that there wasn't enough. Do you remember whether you
 22 got your NHS concentrates directly from BPL at Elstree
 23 or from your Regional Transfusion Centre?

24 **A.** Um, no, I think I know the answer, but I'm not 100%
 25 confident.

19

1 **Q.** Okay. What do you think the position is?

2 **A.** I think it came from -- it did not come -- it did not
 3 come locally. It came from the --

4 **Q.** BPL?

5 **A.** BPL, sorry, yes.

6 **Q.** In terms of cryoprecipitate, did you get that locally
 7 from the Sheffield Regional Transfusion Centre?

8 **A.** Cryoprecipitate we prepared ourselves.

9 **Q.** Okay. Then in terms of the commercial concentrates,
 10 was there a contract with the pharmaceutical company
 11 that covered the whole region or did you decide and
 12 make the arrangements with the pharmaceutical
 13 companies yourself?

14 **A.** We made our own arrangement with the pharmaceutical
 15 companies.

16 **Q.** Okay. I'm going to read again something that
 17 Professor Makris said in his statement about your
 18 approach to treatment, I'm going to read it aloud and
 19 ask you to comment on it. Professor Makris says this
 20 about your approach to treatment, he says that you
 21 always:
 22 "... insisted on not putting all the eggs in one
 23 basket in case something happened with the supply
 24 chain and so a number of different products would be
 25 used rather than just one product."

20

1 Does that ring a bell?

2 **A.** That's absolutely correct. I'm surprised at his

3 memory.

4 **Q.** He says you told him that many times.

5 **A.** Oh, right.

6 **Q.** Then he also says another aspect of your approach was

7 that individual patients would be kept on the same

8 concentrate and the same batch for as long as possible

9 to minimise exposure to different blood donations; is

10 that correct?

11 **A.** Correct.

12 **Q.** I want to ask you next about something you said in

13 relation to your evidence to the Lindsay Tribunal, so

14 that is, Henry, LIND0000323.

15 Mrs Preston, it should be document number 1 in the

16 documents you have.

17 **MRS PRESTON:** Is that the number of --

18 **THE WITNESS:** For me to read it, I have to lean forward.

19 Am I allowed to do that?

20 **MS RICHARDS:** Of course you are --

21 **THE WITNESS:** Oh yes, I've got it, thank you.

22 **MRS PRESTON:** That's the front page.

23 **THE WITNESS:** Wait a minute. I've got it.

24 **MS RICHARDS:** The page I want to go to is page 46, which

25 is the last but one page.

21

1 **MRS PRESTON:** I've got 241 and it goes to 282.

2 **MS RICHARDS:** Okay, it might be if you've got those page

3 numbers, Mrs Preston, could you look at page 234.

4 **MRS PRESTON:** I don't have 234. It starts at 241.

5 **MS RICHARDS:** If you look in the bottom right-hand corner,

6 there's a little number.

7 **MRS PRESTON:** Oh! Yes, I've got it.

8 **MS RICHARDS:** It goes 1 to 47.

9 **MRS PRESTON:** What page number do you want?

10 **MS RICHARDS:** Page 46.

11 **MRS PRESTON:** Starting "The chairperson".

12 **MS RICHARDS:** So the top of the page says, "Casting your

13 mind back to 1985".

14 **MRS PRESTON:** I've gone to page 36 in your --

15 **MS RICHARDS:** It's page 46.

16 **MRS PRESTON:** 46, sorry. Oh, the penultimate page.

17 **MS RICHARDS:** Yeah.

18 **MRS PRESTON:** Got it.

19 **MS RICHARDS:** Professor Preston, you look at it in hard

20 copy or screen, whatever is easier for you.

21 **A.** Okay.

22 **Q.** About halfway down the page, I'm going to read out

23 questions and answers. If you go to the bottom half

24 of the page, please. It's the bottom half of the page

25 about halfway down.

22

1 **A.** Yes, I've got that.

2 **Q.** There's a question that begins, it says, "April 1984"

3 and then it says this:

4 "And in terms of the frequency of administration of

5 products ..."

6 **A.** Oh I see, yes, yes.

7 **Q.** "... how would the frequency compare at your centre

8 with other centres?"

9 Then the answer, so this was you, Professor Preston:

10 "I'm not sure about the frequency, but what I do

11 know is that the amount of Factor VIII or Factor IX

12 concentrate per patient per annum was very much less

13 than the majority of the other reference centres. It

14 might have been the least, but I'm not sure. Certainly

15 we were very much lower than the majority."

16 Then in your next answer you make clear that you're

17 describing the position:

18 "... ever since they [that is concentrates] were

19 introduced in the mid-70s ..."

20 My understanding, professor, of your answers there,

21 is that you were saying to the Lindsay Tribunal that you

22 tended at Sheffield to use a smaller amount of factor

23 concentrates per patient than other Reference Centres;

24 is that right?

25 **A.** I think so, I'm not -- when you were reading out loud

23

1 I couldn't find it.

2 **Q.** Ah, I don't know whether Mrs Preston can help. It's

3 just over halfway down the page. It begins

4 "April 1984".

5 **MRS PRESTON:** "Frequency of administration"?

6 **MS RICHARDS:** That's it, yes.

7 **MRS PRESTON:** Look it's here, love.

8 **MS RICHARDS:** Just read it to yourself, professor.

9 **A.** Oh, okay, I've now read that, yes.

10 **Q.** It may be you can't remember things as well now as in

11 2001, when you gave this evidence, but that would

12 suggest that you used less concentrate per patient

13 than other centres?

14 **A.** Yes.

15 **Q.** I wondered if you could remember why that was the

16 case. Did you have a conservative approach to

17 treating patients, do you think?

18 **A.** I didn't think so. It just became apparent when

19 I compared my usage with usage at other centres that

20 we were using less. So it wasn't deliberate.

21 **Q.** Okay, thank you. I'm going to ask you some questions

22 now about hepatitis, about your evidence to the

23 Lindsay Tribunal, and about some of the research that

24 you did. We'll take it slowly and in stages.

25 **A.** Okay.

24

1 **Q.** Within the document you've got there, professor, could
 2 you go, or could Mrs Preston assist you to find,
 3 page 29.
 4 **A.** I've got it.
 5 **MRS PRESTON:** (Overspeaking) -- factor concentrate?
 6 **MS RICHARDS:** That's the page, thank you.
 7 **MRS PRESTON:** Here it is.
 8 **MS RICHARDS:** I'm just going to read aloud some of your
 9 questions and answers and see if you have anything to
 10 add, professor. So at the top of the page, you were
 11 asked about whether it was appreciated that those
 12 concentrates, so factor concentrates, could be
 13 potentially infectious -- this is in the 1970s when
 14 they were first produced. Your answer was this:
 15 "I think it was certainly appreciated by academics
 16 working in the area of virology, such as
 17 Professor Zuckerman. Initially I don't think a great
 18 deal of thought was given to it when they were first
 19 introduced."
 20 Then the question is asked:
 21 "And why would such an appreciation have been
 22 present at the time?"
 23 Your answer:
 24 "Oh, it's been known for a long, long time before
 25 that that blood and blood products could transmit

25

1 viruses or could produce hepatitis."
 2 Are your answers there correct, professor? Does
 3 that still remain your view?
 4 **A.** I can't hear your question, I'm afraid.
 5 **Q.** I'm sorry, I'll try and speak more slowly.
 6 **A.** Yes.
 7 **Q.** The two answers that I've just read out from your
 8 evidence, record you saying that, initially, when
 9 factor concentrates were first produced --
 10 **A.** Yes.
 11 **Q.** -- you don't think a great deal of thought was given
 12 to the risks of infection, and then you said that:
 13 "... it's been known for a long, long time, before
 14 that, that blood and blood products could transmit
 15 viruses or could produce hepatitis."
 16 **A.** Yes.
 17 **Q.** I just wanted to check with you, are the answers you
 18 gave there, does that still remain your view?
 19 **A.** Yes. Oh, um, products nowadays are safer.
 20 **Q.** Yes.
 21 **A.** But in general terms, the answer is still correct.
 22 **Q.** Okay. Then you also told the Lindsay Tribunal, and
 23 I am -- I'll summarise this. We don't need to look at
 24 the page unless you want to. You told the
 25 Lindsay Tribunal that haematologists in the early to

26

1 mid-1970s were generally uninformed about details of
 2 chronic liver disease. Is that right?
 3 **A.** Correct. It is correct.
 4 **Q.** And you also said to the Lindsay Tribunal that many
 5 haematologists were not fully conversant with the
 6 natural history of different types of chronic liver
 7 disease?
 8 **A.** Correct.
 9 **Q.** And in your statement to our Inquiry, you've suggested
 10 that might be because haematologists didn't receive
 11 training in disciplines relating to liver disease; is
 12 that right?
 13 **A.** Correct.
 14 **Q.** Now, we will go back to the first page of the
 15 Lindsay Tribunal evidence, so if you -- Mrs Preston,
 16 if you could find page 1, please.
 17 **THE WITNESS:** It's a good thing you came.
 18 **MRS PRESTON:** You told me to stay at home.
 19 Oh dear. Every man needs a woman.
 20 **MS RICHARDS:** So it's the bottom half of the first page.
 21 **MRS PRESTON:** Just a minute.
 22 **MS RICHARDS:** Of course, sorry.
 23 **MRS PRESTON:** It's all right. Front page?
 24 **MS RICHARDS:** The first page, yeah.
 25 **THE WITNESS:** What am I reading?

27

1 **MRS PRESTON:** I don't know it's on this page.
 2 **THE WITNESS:** Is it on there?
 3 **MS RICHARDS:** It's the bottom half of the page -- well,
 4 it's about the last ten lines and you say:
 5 "We first began using clotting factor
 6 concentrates ..."
 7 **A.** Right, yes.
 8 **Q.** Can we highlight that, please, Henry. Thank you.
 9 **A.** I can see that.
 10 **Q.** You can see that. Great.
 11 So you said this:
 12 "We first began using clotting factor concentrates
 13 for haemophiliacs in the mid-70s. And it was soon very
 14 noticeable that very many of these patients had abnormal
 15 liver enzymes. We didn't know what they meant or what
 16 they added up to, but they persisted and caused us some
 17 concern. At the time I was already working very closely
 18 with a colleague, a hepatologist, Dr Triger, and also
 19 a consultant histopathologist with a special interest in
 20 liver disease."
 21 **A.** Yes.
 22 **Q.** Can you remember the name of the consultant
 23 histopathologist, was that Dr Underwood?
 24 **A.** That's correct, James Underwood.
 25 **Q.** Thank you. And so is this right: you and Dr Triger

28

1 and Dr Underwood wanted to investigate what the causes
2 were of these abnormal liver enzymes that you kept
3 seeing?

4 **A.** Yes.

5 **Q.** You published an article in The Lancet in 1978 --
6 Mrs Preston that will be document number 4 in the
7 documents you have.

8 Henry, it's PRSE0003622.

9 So it's an article called "Percutaneous Liver Biopsy
10 and Chronic Liver Disease in Haemophiliacs". Have you
11 got that, Professor?

12 **A.** Yes, I've got that.

13 **Q.** We can see it was published in The Lancet in
14 September 1978, and we can see the authors there
15 include you, Dr Underwood, Dr Triger,
16 Professor Blackburn, and some others.

17 **A.** Yes.

18 **Q.** I'm just going to read aloud some of the passages from
19 it because this is an important piece of work, and
20 then ask you a handful of questions about it.

21 **A.** Okay.

22 **Q.** So the summary reads as follows:

23 "Systematic screening of forty-seven haemophiliacs
24 in Sheffield revealed abnormal liver-function tests in
25 thirty-six (77%), with a tendency for these

29

1 abnormalities to persist. To assess the importance of
2 these abnormalities, percutaneous liver biopsy was
3 carried out on eight symptom-free patients under
4 Factor VIII cover. A wide spectrum of chronic liver
5 disease was demonstrated, including chronic aggressive
6 hepatitis and cirrhosis. The liver pathology bore no
7 relation to clinical history or to biochemical
8 findings. Hepatitis B virus markers were common, but
9 evidence suggests that this is not the only factor
10 contributing to the development of liver disease. The
11 high incidence of chronic liver disease seems to be
12 a recent development and is probably related to
13 factor-concentrate replacement therapy."

14 Just pausing there, Professor, because this
15 summarises the article. Your conclusion in that last
16 sentence tells us that you were observing a high
17 incidence of chronic liver disease in your patients; is
18 that correct?

19 **A.** Yes.

20 **Q.** And you were relating that to the use of factor
21 concentrate therapy?

22 **A.** I didn't hear what you just said. I'm sorry.

23 **Q.** You were relating the high incidence of chronic liver
24 disease to the use of factor concentrates?

25 **A.** Yes.

30

1 **Q.** If we go down to the heading "Patients", a little
2 further down that page, we can see a description of
3 how you -- of the patients you selected, I'll just
4 read that paragraph out:

5 "We assessed the frequency of liver disease in
6 patients under our care by testing liver function in
7 forty-seven patients with haemophilia. All patients had
8 received Factor VIII replacement therapy on at least one
9 occasion during the preceding 12 months. Apart from
10 this selection was random. Persistent abnormalities
11 ([over] six months) of liver function were noted in
12 twenty-five patients and eight of these were selected
13 for liver biopsy. The selected patients were well known
14 to us and were considered to be intelligent and
15 responsible. The degree of biochemical abnormality was
16 not a factor in selection. All were symptom-free at
17 biopsy. The full nature of the procedure was explained
18 to each patient and all eight gave their written
19 consent."

20 That tells us that you selected eight patients of
21 your patients who had persistent abnormalities for liver
22 biopsy.

23 **A.** Yes.

24 **Q.** Then if we go over the page, please.

25 **A.** Wait a minute.

31

1 Yes, I've got that, thank you.

2 **Q.** That's great. I just wanted to -- I'm not going to
3 read out all the text of the article but your article
4 tells us that all of the eight biopsy specimens showed
5 either hepatitis or cirrhosis. And I just wanted to
6 ask you about the table --

7 **A.** Whereabouts are you now? Where are you reading from?

8 **Q.** That's the top of the third page. But I want to ask
9 you about the table on the bottom of the second page.

10 **A.** Okay.

11 **MRS PRESTON:** That's the table.

12 **MS RICHARDS:** "Table II - Data on 8 patients undergoing
13 liver biopsy".

14 **A.** Yes.

15 **Q.** You've identified in the column on the right-hand
16 side, under the heading "Liver histology", with a
17 number of descriptions, and I just wanted to ask you
18 what those descriptions refer to and what they tell
19 us. So "Micronodular cirrhosis" is the first one. Do
20 you see that?

21 **A.** Micronodular cirrhosis, yes.

22 **Q.** Does that tell us that in that patient you observed on
23 biopsy the presence of cirrhosis?

24 **A.** Can you say that again, please.

25 **Q.** Does that tell us that in relation to that patient,

32

1 patient 1, you observed signs of cirrhosis?
 2 **A.** Yes.
 3 **Q.** You then, in relation to patient 2, described them as
 4 having chronic persistent hepatitis and granulomas.
 5 **A.** Yes.
 6 **Q.** Then patient 3 is chronic aggressive hepatitis.
 7 **A.** Right.
 8 **Q.** Could you tell us what the difference was in those
 9 terms as you used them at the time. What was chronic
 10 persistent hepatitis and what was chronic aggressive
 11 hepatitis?
 12 **A.** Chronic aggressive hepatitis is much more serious than
 13 chronic persistent hepatitis. And at that time, it
 14 was believed that patients who had chronic -- those
 15 patients who had chronic persistent hepatitis, this
 16 did not progress. But for chronic aggressive
 17 hepatitis, that type of hepatitis did progress. So
 18 chronic persistent hepatitis was less severe than
 19 chronic aggressive hepatitis.
 20 **Q.** Okay. And you were observing chronic aggressive
 21 hepatitis and cirrhosis in some of the patients that
 22 you biopsied?
 23 **A.** Correct.
 24 **Q.** And then if we just go to the third page of this, so
 25 that's the last page.

33

1 **A.** I've got a very good secretary here.
 2 **MS RICHARDS:** Good.
 3 **MRS PRESTON:** I need a bunch of flowers.
 4 **THE WITNESS:** Or a bottle of wine!
 5 **MRS PRESTON:** A bunch of flowers.
 6 **THE WITNESS:** I've got it.
 7 **MS RICHARDS:** Under the heading "Discussion", if you go to
 8 the next main paragraph which begins "We confirmed
 9 earlier observations".
 10 **A.** Yes.
 11 **Q.** And if you go halfway down that paragraph, there's
 12 a sentence beginning "We also find a wide spectrum of
 13 chronic liver disease". Do you have that?
 14 **A.** Yes, I've got that.
 15 **Q.** Great I'll just read that bit:
 16 "We also found a wide spectrum of chronic liver
 17 disease, including benign self-limiting chronic
 18 hepatitis, potentially treatable chronic aggressive
 19 hepatitis, and established cirrhosis."
 20 **A.** Yes.
 21 **Q.** So those are your findings.
 22 "All our patients were symptom-free at biopsy and it
 23 was impossible to differentiate between the different
 24 forms of liver disease on the grounds of biochemical
 25 abnormalities."

34

1 Could you just explain what that sentence means?
 2 **A.** The "impossible to differentiate"?
 3 **Q.** Yes.
 4 **A.** It was basically saying, by looking at results of
 5 liver function tests you couldn't draw conclusions
 6 about the underlying liver disease. You couldn't say
 7 what it was. And in fact, you couldn't -- all you
 8 could say is that there was evidence of liver disease.
 9 But you couldn't give any details, and you couldn't
 10 provide any details.
 11 **Q.** Okay, understood.
 12 **A.** (overspeaking).
 13 **Q.** Then you go on to say --
 14 **A.** I didn't do that very well, did I?
 15 **Q.** That was perfectly clear. Thank you.
 16 "Since the patients undergoing biopsy [this is how
 17 the paragraph continues] had been arbitrarily selected
 18 it is reasonable to conclude that a large proportion
 19 of haemophiliacs receiving treatment with Factor VIII
 20 have important chronic liver disease."
 21 **A.** Yes.
 22 **Q.** Then we'll just go to the last paragraph of the
 23 article.
 24 **A.** Yes.
 25 **Q.** You say:

35

1 "We conclude that histological liver disease is
 2 common in haemophiliac patients. The nature and
 3 severity of these abnormalities can only be assessed by
 4 biopsy, which under suitable control can be carried out
 5 without undue risk. It is noteworthy that two patients
 6 with cirrhosis ... were mildly affected haemophiliacs
 7 requiring only occasional Factor VIII transfusion. Such
 8 patients may perhaps benefit from the newly developed
 9 synthetic [and then DDAVP]."
 10 **A.** Yes.
 11 **Q.** Now, a number of -- or some witnesses, Professor, have
 12 told the Inquiry that this article was an important
 13 landmark in the understanding of the risks of
 14 hepatitis?
 15 **A.** Yes.
 16 **Q.** And I'm going to show you something that you said
 17 about this work?
 18 **A.** About this what?
 19 **Q.** I'm going to show you something you said to a
 20 newspaper about this work.
 21 Mrs Preston, it should be your document 27.
 22 **MRS PRESTON:** Woah!
 23 **MS RICHARDS:** Don't worry, take your time.
 24 Henry, HSOC0009730.
 25 Henry, could we zoom in to the fifth and sixth

36

1 columns, so it's the column that begins "heavily on
 2 imported Factor 8".
 3 **THE WITNESS:** I've got eight columns.
 4 **MS RICHARDS:** We can put it on screen if that's easier,
 5 Professor, or look at the hard copy. It tells us --
 6 **MRS PRESTON:** There.
 7 **THE WITNESS:** Wait a minute.
 8 **MRS PRESTON:** It's this one and this one.
 9 **THE WITNESS:** So which one?
 10 **MRS PRESTON:** This one.
 11 **THE WITNESS:** Starting there?
 12 **MS RICHARDS:** It's the bit down the bottom of that sixth
 13 column. It begins:
 14 "Professor Eric Preston, a leading UK haemophilia
 15 expert, advised it was safer to give those suffering
 16 from mild haemophilia a synthetic product called DDAVP."
 17 Then it says this, if we skip over a paragraph:
 18 "Preston told The Observer: 'The argument has always
 19 been that the hepatitis risk was "a small price to pay".
 20 But in ..."
 21 **A.** I remember that very clearly.
 22 **Q.** "... 'But in 1978 we showed quite definitely that
 23 non-A, non-B was a very serious disorder. The
 24 Department of Health should have responded by pushing
 25 for ways to inactivate the virus in the blood or given

37

1 patients the choice of an alternative'. "
 2 **A.** Yes.
 3 **Q.** Now, I think you told the Inquiry in your witness
 4 statement that this accurately sets out what you said
 5 to the newspaper, and that this accurately reflects
 6 your views; is that right?
 7 **A.** Correct, yes.
 8 **Q.** Thank you.
 9 **SIR BRIAN LANGSTAFF:** Do you have the date of that press
 10 article?
 11 **MS RICHARDS:** I'm sorry, sir. It's -- I think it's the
 12 21st November 1999. That's what I've scribbled on it.
 13 I'll check.
 14 **SIR BRIAN LANGSTAFF:** Thank you.
 15 **MS RICHARDS:** We're now going to move to another document.
 16 You can put that one way.
 17 **A.** It's a good thing my wife's here!
 18 **MS RICHARDS:** Mrs Preston, it should be your document
 19 number 6.
 20 Henry, it's HCDO0000554. It's the Hepatitis Working
 21 Party minutes 15th December 1980.
 22 **MRS PRESTON:** Got it.
 23 **MS RICHARDS:** Great. Thank you. So we can see what this
 24 document is, it's minutes of the eighth meeting of the
 25 Haemophilia Centre Directors Hepatitis Working Party

38

1 held at the Oxford Haemophilia Centre on
 2 15 December 1980, and it's got a list of those
 3 present. It includes you, Professor Preston.
 4 **A.** Yes.
 5 **Q.** If we go down towards the bottom of the page, there's
 6 a heading, underlined, "Chronic Hepatitis,
 7 Sheffield-Royal Free Collaborative Survey"; do you
 8 have that?
 9 **A.** Yes.
 10 **Q.** It says:
 11 "Doctors Kernoff and Preston presented their joint
 12 experience of the use of liver biopsy in the
 13 investigation of chronic liver disease in
 14 haemophiliacs."
 15 **A.** Yes.
 16 **Q.** "About 40 patients had been biopsied."
 17 Then it talks about some complications including
 18 a death that occurred at the Royal Free Hospital.
 19 I don't need to ask you about that, but if we go to the
 20 next page, please, professor.
 21 **A.** Yes.
 22 **Q.** If I pick it up at the first new paragraph on that
 23 page:
 24 "The results of liver biopsy showed that about
 25 a third of the patients studied" -- do you have that?

39

1 **A.** Yes.
 2 **Q.** "... had the histological appearances in their biopsy
 3 of chronic active hepatitis, and two-thirds chronic
 4 persistent hepatitis. Three patients had evidence of
 5 cirrhosis. Most patients were entirely symptomless.
 6 One patient at Sheffield had oesophageal varices."
 7 Just to look at that in a little more detail, and to
 8 see if I understood it correctly, Professor Preston,
 9 a third of the patients approximately had the appearance
 10 of the more serious form of hepatitis, chronic active
 11 hepatitis; is that right?
 12 **A.** Yes.
 13 **Q.** Then you've identified three patients with cirrhosis
 14 and one with oesophageal varices. Can you remember
 15 anything more about that work that you and Dr Kernoff
 16 were undertaking?
 17 **A.** No.
 18 **Q.** Fair enough.
 19 **A.** Sorry, can I remember anything more about the --
 20 **Q.** About the work that this collaborative survey that
 21 Sheffield and the Royal Free Hospital were
 22 undertaking?
 23 **A.** Well, we carried on with an interest in liver disease
 24 in haemophilia. I can't say more than that.
 25 **Q.** That's fine.

40

1 A. I don't think so. No, okay.
 2 Q. I'm going to ask you about one further document,
 3 professor, and then after that we'll have a break. So
 4 the next document, Mrs Preston, will be your document
 5 8. It's a 1982-article in The Lancet.
 6 Henry, PRSE0000384.
 7 **MRS PRESTON:** I'm good, aren't I?
 8 **THE WITNESS:** I didn't know you'd done all this.
 9 **MRS PRESTON:** I didn't realise I had this in me!
 10 **MS RICHARDS:** This is a letter to The Lancet in
 11 March 1982, and the heading is "Blood product
 12 concentrates and chronic liver disease".
 13 A. Yes.
 14 Q. It's a letter written by you, Dr Triger and
 15 Dr Underwood?
 16 A. Yes.
 17 Q. It says this:
 18 "We have previously shown that there is a high
 19 incidence of chronic liver disease among patients
 20 receiving blood product concentrates even in the absence
 21 of any symptoms. Non-A, non-B hepatitis viruses have
 22 been implicated. While the presence of chronic liver
 23 disease is now well established there are no data on the
 24 rate or likelihood of progression."
 25 Then you go on to talk about a particular case,

41

1 Professor Preston:
 2 "A 34-year-old male with von Willebrand's disease
 3 had acute non-B hepatitis two weeks after receiving
 4 Factor VIII concentrate ..."
 5 You go on to give details of that, including
 6 a percutaneous liver biopsy was done with DDAVP cover.
 7 A. Right.
 8 Q. In fact, I think you described two biopsies done using
 9 DDAVP. Then you say, and this is about halfway down
 10 that long paragraph:
 11 "On this occasion there was very severe
 12 architectural disturbance with evolving cirrhosis;
 13 features of non-A, non-B infection were still present."
 14 Then in the last paragraph you say:
 15 "This case shows several important and disturbing
 16 features. We have detected significant progression of
 17 liver disease over two and a half years in the absence
 18 of any symptoms. Clinical, serological, and
 19 histological evidence point to the disease being related
 20 to non-A, non-B hepatitis. As the patient has had no
 21 further blood products since the initial infusion which
 22 led to the hepatitis, we have good evidence that his
 23 progressive liver disease can be ascribed solely to
 24 a single infusion."
 25 Can you remember anything further now about this

42

1 particular case and what prompted you to write about it,
 2 professor?
 3 A. No.
 4 Q. Okay, don't worry. You talked about this to the
 5 Lindsay Tribunal, I don't think I necessarily need to
 6 go back to what you told the Lindsay Tribunal,
 7 although we can if you like. Is it fair to assume
 8 that what you told the Lindsay Tribunal in 2001 is
 9 likely to have been accurate to the best of your
 10 ability at the time, because you'd only just retired
 11 then?
 12 A. Would you repeat that?
 13 Q. Yes. You discussed this case when you gave your
 14 evidence to the Lindsay Tribunal. Is it fair to
 15 assume that what you told the Lindsay Tribunal will be
 16 the best evidence you can give us about this case,
 17 given that you now don't remember anything further?
 18 A. Yes, that's correct.
 19 Q. All right. We can look at the detail of what you told
 20 the Lindsay Tribunal if we need to, but you discussed
 21 it in some detail.
 22 Sir, I note the time. I wonder whether this would
 23 be a good moment for Professor Preston to have a break
 24 for half an hour?
 25 **SIR BRIAN LANGSTAFF:** Yes, it would. Professor, we have

43

1 a break every morning, so that those here can have
 2 a tea or a coffee, and it also allows witnesses to
 3 have a break. So we'll take a break now, half an
 4 hour, so we'll be back at 11.30. So 11.30 please.
 5 Thank you and thanks to Mrs Preston, as well.
 6 **MS RICHARDS:** Sir, could Professor Preston be given the
 7 warning about not discussing his evidence.
 8 **SIR BRIAN LANGSTAFF:** Yes. Professor, it's something
 9 which I have to say to every witness who has a break
 10 in the middle of giving evidence. Don't discuss the
 11 evidence you have given, or anything that you think
 12 you might later be asked with anyone, that includes
 13 your wife, but you can talk about anything else you
 14 like. I'll see you at 11.30. Thank you.
 15 **THE WITNESS:** Thank you.
 16 (11.03 am)
 17 (A short break)
 18 (11.32 am)
 19 **MS RICHARDS:** Professor Preston, can you hear me?
 20 A. Yes, I can.
 21 Q. Do you want to take your mask off because it might be
 22 easier for us to hear you.
 23 A. I'm pulling my hearing aid out as well. Oh god. I've
 24 made a pig's ear of this. Just a minute. Sorry.
 25 Right. Thank you, very nice biscuits.

44

1 **Q.** Good. You've told us, Professor, that you understood
 2 by 1978 that non-A, non-B hepatitis was a very serious
 3 disorder. Did your approach to the use of factor
 4 concentrates change at all in light of that?
 5 **A.** I'm afraid I'm not hearing you quite as clear --
 6 **MRS PRESTON:** Actually, the sound is worse than it was
 7 earlier. It's much more reverberating.
 8 **THE WITNESS:** The sound is not as good at the moment.
 9 **MRS PRESTON:** I can hardly hear you.
 10 **THE WITNESS:** Will you say it again, please?
 11 **MS RICHARDS:** Yes, of course. You told us that by 1978
 12 you knew that non-A, non-B hepatitis was a very
 13 serious disorder.
 14 **A.** You're not clear, I'm afraid.
 15 **MS RICHARDS:** You can't hear.
 16 **MRS PRESTON:** Can I tell you something? It's very tinny
 17 and it's like it's reverberating. It's worse than
 18 before the coffee break.
 19 **SIR BRIAN LANGSTAFF:** We can hear you very well. So it's
 20 plainly a bit at our end. Can we make sure the
 21 microphone is -- you're close enough to it. I don't
 22 think anything has changed there.
 23 **MS RICHARDS:** Wait there a moment, we will check with our
 24 technical team if they can improve it.
 25 **THE WITNESS:** Okay.

45

1 **SIR BRIAN LANGSTAFF:** I'm very sorry about that,
 2 Professor.
 3 **THE WITNESS:** You don't have to be. It gives me time to
 4 think. [laughs].
 5 **MRS PRESTON:** Help is at hand!
 6 **LAURA:** I'm here.
 7 **MS RICHARDS:** Laura, how clearly can you hear me?
 8 **LAURA:** It's distorted.
 9 **MRS PRESTON:** That's the word, it's distorted.
 10 **THE WITNESS:** Distorted. I wish I'd said that.
 11 **MRS PRESTON:** I need a pay rise.
 12 **MS RICHARDS:** Any difference or still distorted?
 13 **LAURA:** Still distorted.
 14 **MS RICHARDS:** We've got someone trying to adjust the
 15 system, I think.
 16 [Discussion off the record re the audio]
 17 **MS RICHARDS:** I'll try and speak slowly and clearly and if
 18 you don't hear any particular question, just let me
 19 know.
 20 In 1978, when you --
 21 **MRS PRESTON:** Am I allowed to say what you've said?
 22 Because I can hear you.
 23 **MS RICHARDS:** We'll try that if Professor Preston can't
 24 hear. I'll repeat the question and we'll see how we
 25 get on.

46

1 In 1978, by which time you knew that non-A, non-B
 2 hepatitis was a serious condition --
 3 **A.** I can't hear you. I can't hear you.
 4 **SIR BRIAN LANGSTAFF:** Mrs Preston, can you hear?
 5 **MRS PRESTON:** No, I couldn't hear either.
 6 **SIR BRIAN LANGSTAFF:** But you can hear me?
 7 **MRS PRESTON:** I can hear you, yes.
 8 **THE WITNESS:** Yes, I can hear you, yes.
 9 **MS RICHARDS:** Sir, shall I suggest we take a 5-minute
 10 break whilst we try to sort this out. There must be
 11 something wrong with the system here but I don't know
 12 what it is.
 13 **SIR BRIAN LANGSTAFF:** Yes. One option would be for you to
 14 sit here asking your questions, and I will go.
 15 There's plenty of space here for me to go somewhere
 16 else for the time being.
 17 **MS RICHARDS:** Yes, we may try that.
 18 Professor Preston, we'll take a 5-minute break to
 19 see if we can sort it out here. And if not, I may go
 20 and sit where Sir Brian is sitting, and see if that
 21 works. But we'll just pause for five minutes.
 22 **SIR BRIAN LANGSTAFF:** Okay?
 23 **THE WITNESS:** Okay.
 24 **SIR BRIAN LANGSTAFF:** Okay, a five-minute break. My
 25 apologies to everyone here.

47

1 (11.38 am)
 2 (A short break)
 3 (11.44 am)
 4 **MS RICHARDS:** Professor Preston we're going to try again.
 5 **THE WITNESS:** Right. Thank you.
 6 **Q.** I'll repeat the question I was trying to ask. You've
 7 told us that in 1978, or by 1978, you knew that non-A,
 8 non-B hepatitis was a serious condition. Did that
 9 change your approach to the use of factor concentrates
 10 at all?
 11 **A.** Could you repeat the last part of your question,
 12 please.
 13 **Q.** Yes. Did you change your approach to using factor
 14 concentrates at all?
 15 **A.** Ah. No.
 16 **Q.** And why was that? Why was that, if you knew that
 17 non-A, non-B hepatitis was serious? Did you think
 18 about doing something different?
 19 **A.** No.
 20 **Q.** Did you think about using cryoprecipitate instead of
 21 concentrates?
 22 **A.** No, that was never a possibility.
 23 **Q.** Why was that?
 24 **A.** It was impossible to achieve satisfactory levels of
 25 Factor VIII with cryoprecipitate. For seriously

48

1 affected patients.
 2 **Q.** Did you tell your patients that the factor
 3 concentrates might be exposing them to the risk of
 4 chronic liver disease?
 5 **A.** Could you repeat it, please?
 6 **Q.** Of course. Did you tell your patients that the
 7 treatment that they were receiving might expose them
 8 to the risk of chronic liver disease?
 9 **A.** I don't think I did.
 10 **Q.** In hindsight, do you think that that is information
 11 you should have given your patients?
 12 **A.** I'm not 100% certain that I did not tell them.
 13 I perhaps should have told them.
 14 **Q.** Can you remember if you discussed non-A, non-B
 15 hepatitis at all with your patients? Did you tell
 16 them if you thought they had non-A, non-B hepatitis?
 17 **A.** Yes, I did discuss this with individual patients.
 18 **Q.** Okay. And we'll just look at two other articles in
 19 The Lancet that you wrote. The first, Professor, will
 20 be your document 19.
 21 Henry, it's PRSE0004229, please.
 22 **A.** My wife's just searching.
 23 **Q.** Thank you.
 24 So this is in The Lancet in June of 1985 --
 25 Henry, have we got it on screen?

49

1 **A.** This is it, yes.
 2 **Q.** Just give me a moment, Professor. You've got it and
 3 we haven't, currently. PRSE0004229. My screen has
 4 got Professor Preston on both screens so I don't have
 5 the documents at all.
 6 So this called "Progressive liver disease in
 7 haemophilia: an understated problem?"
 8 **A.** Yes.
 9 **Q.** And the authors are Professor Hay, yourself, Dr Triger
 10 and Dr Underwood.
 11 **A.** Yes.
 12 **Q.** And I just want to read the summary with you and ask
 13 you about that. So the summary says:
 14 "In an 8-year study of 79 unselected patients with
 15 haemophilia who had received clotting factor
 16 concentrates, there was evidence of chronic progressive
 17 liver disease in at least 17 (21%). 8 patients had
 18 chronic active hepatitis and 9 had cirrhosis (5 with
 19 esophageal varices). Histological evidence suggested
 20 that non-A, non-B hepatitis was mainly responsible,
 21 although the influence of other viruses could not be
 22 excluded. Serial liver biopsies showed progression from
 23 chronic persistent hepatitis to chronic active hepatitis
 24 and cirrhosis within 6 years, suggesting that chronic
 25 persistent hepatitis in haemophiliacs is not as benign

50

1 as hitherto supposed. Symptoms and abnormal physical
 2 signs were unknown in these patients. There was no
 3 relation between degree of abnormality of serum
 4 aminotransferase levels and severity of the underlying
 5 liver disease. It is anticipated that liver disease in
 6 haemophiliacs will become an increasing clinical problem
 7 in the future."
 8 **A.** Yes.
 9 **Q.** Now we can see that this was a study that took place
 10 over a number of years, Professor.
 11 **A.** Yes.
 12 **Q.** Is this right: you undertook repeat biopsies in
 13 a number of patients?
 14 **A.** Yes.
 15 **Q.** Then I just want to ask you about a sentence that is
 16 in the middle of that summary, where you say:
 17 "Serial liver biopsies showed progression from
 18 chronic persistent hepatitis to chronic active
 19 hepatitis and cirrhosis within 6 years, suggesting
 20 that chronic persistent hepatitis is not as benign as
 21 hitherto supposed."
 22 **A.** Right.
 23 **Q.** Is it correct that you already knew that chronic
 24 aggressive or active hepatitis was serious?
 25 **A.** Chronic active hepatitis is serious, yes.

51

1 **Q.** And what this study appeared to be showing was that
 2 chronic persistent hepatitis was also serious because
 3 it was proceeding to chronic active hepatitis. Is
 4 that right?
 5 **A.** That's correct. It was assumed before then that
 6 chronic persistent hepatitis was relatively benign,
 7 and we were able to show that it could progress to
 8 chronic active hepatitis.
 9 **Q.** And do you know why it was assumed that chronic
 10 persistent hepatitis was benign?
 11 **A.** Would you say that again, please?
 12 **Q.** Do you know why it had been assumed that chronic
 13 persistent hepatitis was benign?
 14 **A.** Are you asking do I know ... wait a minute. Do I know
 15 where it is stated that chronic persistence is benign?
 16 **Q.** Or why do people think that?
 17 **A.** I don't know. No, I don't know that.
 18 **Q.** Don't worry.
 19 **A.** I did know, but I can't remember.
 20 **Q.** Okay, that's fine. Then the last piece of your
 21 writings in The Lancet is another document from 1985.
 22 Mrs Preston, it should be your document 32.
 23 **THE WITNESS:** You can hear more clearly than I can.
 24 **MRS PRESTON:** Yeah.
 25 **MS RICHARDS:** It's PRSE0004594, Henry.

52

1 **MRS PRESTON:** I'm afraid I only go up to 228.
 2 **MS RICHARDS:** It might be 28 in that case, Mrs Preston.
 3 Do you want to have a look and see if it's there?
 4 **MRS PRESTON:** What's it called?
 5 **MS RICHARDS:** The Lancet, July 27th, 1985.
 6 **THE WITNESS:** Yeah, that's it.
 7 **MRS PRESTON:** July 27th, 1985?
 8 **MS RICHARDS:** Yes.
 9 **THE WITNESS:** That's the same as --
 10 **MS RICHARDS:** It's on the screen now.
 11 **MRS PRESTON:** Sorry, I thought it was the 28th.
 12 **MS RICHARDS:** Thank you.
 13 So if we zoom in on the bottom half of the page,
 14 please, Henry for our use.
 15 So this is a letter written, it's by you, Dr Hay,
 16 Dr Triger, Dr Greaves and Dr Dewar, and it's called
 17 "Non-A, non-B hepatitis, and heat-treated Factor VIII
 18 concentrates".
 19 **A.** Yes.
 20 **Q.** We can see it describes in the first paragraph your
 21 experience with dry-heated Factor VIII concentrate in
 22 two mild haemophiliacs and a patient with
 23 von Willebrand's?
 24 **A.** Yes.
 25 **Q.** And the article says:

53

1 "None of these individuals had been treated
 2 previously with blood or blood products. Before
 3 receiving the Factor VIII concentrate, all patients had
 4 normal biochemical indices of liver function and were
 5 clinically well."
 6 **A.** Yes.
 7 **Q.** Professor Preston, can you recall anything now about
 8 these individual cases?
 9 **A.** Could you repeat that, please.
 10 **Q.** Can you recall anything now about these individual
 11 cases?
 12 **A.** I'm not quite hearing you, I'm afraid.
 13 **Q.** Can you recall anything about these individual cases
 14 that you wrote about here?
 15 **MRS PRESTON:** Can you recall anything about these
 16 individual cases?
 17 **A.** No, I can't now, no.
 18 **MS RICHARDS:** Okay. They show that you used dry-heated
 19 concentrate for two mild haemophiliacs and a patient
 20 with von Willebrand's disease. Can you recall why you
 21 were using factor concentrates with mild patients and
 22 a patient with von Willebrand's?
 23 **A.** I'm afraid I can't hear you very clearly now.
 24 **MS RICHARDS:** Can you hear okay, Mrs Preston?
 25 **MRS PRESTON:** Not very well, no. You've gone tinny and

54

1 away.
 2 **THE WITNESS:** Your voice has gone less clear and lower
 3 volume.
 4 **MS RICHARDS:** I'm going to try speaking closer into the
 5 microphone. Does that make any difference?
 6 **THE WITNESS:** No.
 7 **MRS PRESTON:** No.
 8 **MS RICHARDS:** Sir Brian, can you try your microphone?
 9 **SIR BRIAN LANGSTAFF:** Can you hear me?
 10 **THE WITNESS:** Yes, but you're tinny.
 11 **SIR BRIAN LANGSTAFF:** Thank you. It sounds as though it's
 12 a problem on the line. So shall we have a break and
 13 do the same as we did last time and see if we can get
 14 a clearer line? We're going to take a short break,
 15 Professor. We're going to see if we can disconnect
 16 and reconnect. That worked last time. We'll try it
 17 again and see if we can get you back hearing what we
 18 are saying.
 19 **THE WITNESS:** Okay, thank you.
 20 **SIR BRIAN LANGSTAFF:** Thank you.
 21 (11.57 am)
 22 (A short break)
 23 (12.01 pm)
 24 **MS RICHARDS:** Henry, could we have on screen again the
 25 document PRSE0004594.

55

1 **A.** Yes.
 2 **Q.** Professor, I was asking you about the article in
 3 The Lancet that you had before you. It's the one
 4 called "Non-A, non-B hepatitis and heat-treated
 5 Factor VIII concentrates".
 6 **A.** Yes. Yes.
 7 **Q.** And the first paragraph. Can you remember why you
 8 were treating mild haemophiliacs, and a patient with
 9 von Willebrand's disease, with the heat-treated factor
 10 concentrate rather than DDAVP?
 11 **A.** I do apologise. I can't fully hear what you're
 12 saying.
 13 **Q.** Mrs Preston, were you able to hear that?
 14 **MRS PRESTON:** Yes, if you say it again I can repeat it to
 15 him.
 16 **MS RICHARDS:** Thank you very much.
 17 Do you remember why you were treating patients with
 18 these patients with heat-treated factor concentrate
 19 rather than DDAVP?
 20 **MRS PRESTON:** Do you remember why you're treating these
 21 patients with heat-treated factor concentrate rather
 22 than DDAVP?
 23 **A.** No, I can't remember. I think when we talk about
 24 mildly affected patients, I do know that some
 25 responded to DDAVP and others did not, but I can't

56

1 take it further than that.
 2 **MS RICHARDS:** Okay, that's fine.
 3 I want to move on to ask you about two papers
 4 authored by Professor Mannucci.
 5 **SIR BRIAN LANGSTAFF:** Just before you do --
 6 **MRS PRESTON:** I can't hear what you're saying, I'm afraid.
 7 **SIR BRIAN LANGSTAFF:** Sorry, it's my fault because
 8 I interrupted. I just wanted to draw attention, for
 9 those who are observing, to what is said in the second
 10 paragraph, the last line of the penultimate paragraph,
 11 the last two sentences:
 12 "The observed differences in the transmission of
 13 NANB between the commercial and the NHS products may
 14 relate to the size of the donor pools."
 15 **THE WITNESS:** Where are you reading from now?
 16 **SIR BRIAN LANGSTAFF:** This is the paragraph on the
 17 right-hand side. It's halfway down, begins "The
 18 observed differences". Just after the little
 19 footnote 2. There we are.
 20 **THE WITNESS:** I think we're looking at the wrong --
 21 **MS RICHARDS:** It's just below the graph, Professor.
 22 **SIR BRIAN LANGSTAFF:** Can we check we're looking at the
 23 same letter. It's a letter to The Lancet.
 24 **THE WITNESS:** This is the "Non-A, non-B hepatitis and
 25 heat-treated Factor VIII concentrates" in The Lancet,

57

1 July 27th, 1985; is that right?
 2 **SIR BRIAN LANGSTAFF:** Yes, it is.
 3 **MRS PRESTON:** I can't see anything in the --
 4 **THE WITNESS:** And what are the first words of the
 5 paragraph?
 6 **SIR BRIAN LANGSTAFF:** Henry, can you show us the
 7 paragraph, please.
 8 **MS RICHARDS:** "Although no firm conclusions can be
 9 drawn ..."
 10 **MRS PRESTON:** "Although no" --
 11 **THE WITNESS:** Okay, can you ask the question again,
 12 please.
 13 **SIR BRIAN LANGSTAFF:** Yes. The last two sentences of that
 14 paragraph:
 15 "The observed differences in the transmission of
 16 NANB between the commercial and the NHS products ..."
 17 **A.** I see, yes.
 18 **SIR BRIAN LANGSTAFF:** "... may relate to the size of the
 19 donor pools. In the commercial product the donor pool
 20 numbers 1500-3,000 compared with the NHS material
 21 which was derived from 309 regularly used donors
 22 only."
 23 **A.** Yes.
 24 **SIR BRIAN LANGSTAFF:** Do you now remember where you got
 25 the information from about the size of the donor

58

1 pools?
 2 **A.** Oh, I would have obtained this information re the
 3 NHS material from the people who produced it, and
 4 similarly, I would obtain the information about the
 5 commercial concentrates from the commercial
 6 concentrate producers. I would have had made contact
 7 with them and asked them for this information.
 8 **SIR BRIAN LANGSTAFF:** Thank you. And what this letter
 9 reported was that NHS concentrate, heat-treated, did
 10 not, on this occasion, produce hepatitis, whereas
 11 commercial heat-treated concentrate did.
 12 **A.** Yes. Well, of course there are many more donors in
 13 the commercial material compared with the NHS
 14 material.
 15 **SIR BRIAN LANGSTAFF:** Thank you. Thank you.
 16 **MS RICHARDS:** Professor, I'm going to ask you about some
 17 of the evidence you gave to the Lindsay Tribunal. Are
 18 you able to hear me okay?
 19 **A.** I can hear you so far.
 20 **Q.** Good.
 21 **A.** You were going to ask me questions?
 22 **Q.** About your evidence to the Lindsay Tribunal. So if
 23 Mrs Preston gives you -- it's document number 1 in
 24 your documents again, Mrs Preston.
 25 **MRS PRESTON:** Do you mean the Lindsay Tribunal?

59

1 **MS RICHARDS:** Yes, please.
 2 Henry, it's LIND0000323.
 3 **MRS PRESTON:** The big one?
 4 **MS RICHARDS:** That's right.
 5 **MRS PRESTON:** What page do you want --
 6 **MS RICHARDS:** The second and third pages, please.
 7 **MRS PRESTON:** Right.
 8 **THE WITNESS:** It's not easy with poor sound, is it?
 9 **MRS PRESTON:** That's page 2.
 10 **THE WITNESS:** Okay.
 11 **MS RICHARDS:** So Professor, halfway down page 2, you can
 12 see that you were asked about a report from
 13 Professor Mannucci called "Asymptomatic Liver Disease
 14 in Haemophiliacs", and that's referred to halfway down
 15 page 2.
 16 **A.** Yes.
 17 **Q.** And if we go please to page 3, about --
 18 **MRS PRESTON:** Just a minute.
 19 **MS RICHARDS:** I'm sorry, Mrs Preston.
 20 **THE WITNESS:** You're on page 3 now, I think.
 21 **MRS PRESTON:** Which piece of paper is page 3?
 22 **MS RICHARDS:** About a third of the way down the page, you
 23 made some observations about Professor Mannucci's
 24 paper. And you said this:
 25 "Oh, absolutely. But having said that, and

60

1 looking at Professor Mannucci's paper ..."
 2 Have you got that bit, Professor Preston?
 3 **A.** Wait a minute. Yeah.
 4 **Q.** Then your answer continues as follows:
 5 "-- clearly they have a different problem. It's
 6 very well known that Hepatitis B is a major problem, and
 7 also delta, in Italy. And it's noteworthy that in the
 8 study, 80 percent of the patients were Hepatitis B
 9 surface antigen positive. And I think it's clear from
 10 reading this, at the time Professor Mannucci and his
 11 colleagues were thinking along the lines of Hepatitis B
 12 rather than non-A, non-B."
 13 **A.** Yes, right.
 14 **Q.** Professor Preston, do you have anything else you can
 15 recall about Professor Mannucci's first study you were
 16 discussing here? Do you have anything to add?
 17 **MRS PRESTON:** Do you have anything -- do you remember
 18 anything more about Professor Mannucci's study --
 19 **A.** No, I can't remember anything --
 20 **MRS PRESTON:** Do you have anything to add?
 21 **A.** I have nothing more to add.
 22 **MS RICHARDS:** Okay.
 23 Then if we go, please, to page 34. I'll wait for
 24 Mrs Preston to finding that for you.
 25 **MRS PRESTON:** Got it.

1 **THE WITNESS:** There you are. I've got it.
 2 **MS RICHARDS:** This is still your evidence to the
 3 Lindsay Tribunal and you were shown another article,
 4 a 1982-article by Professor Mannucci. We've sent you
 5 the articles but I'm hoping that this is a quicker way
 6 of looking at them. And if you pick it up a few lines
 7 down, the question is this:
 8 "... there is an article by Professor Mannucci ..."
 9 And then you say:
 10 "Would you like me to anticipate the next question?"
 11 Have you got that?
 12 **A.** Yes.
 13 **Q.** Then you say this:
 14 "I think this is the reason for the differences in
 15 our observations and Professor Mannucci's observations.
 16 This a young cohort, and our patients were in
 17 a different age bracket. And we now -- we now know, we
 18 didn't then, that the rate of progression is slower in
 19 those infected during early childhood, or in childhood,
 20 than those infected in later life. So these are young
 21 people and ours were not young people."
 22 Pausing there, Professor Preston, you were
 23 distinguishing your study and Professor Mannucci's study
 24 on the basis that Professor Mannucci's patients were
 25 much younger. Can you recall anything about that?

1 **MRS PRESTON:** Can I say what you just said?
 2 **MS RICHARDS:** Yes, of course, Mrs Preston.
 3 **MRS PRESTON:** Can you recall anything more about this
 4 study, about the ages of your cohort and his cohort?
 5 **A.** No, but I recall at the time it was very clear that
 6 the patients studied by us and those studied by
 7 Mannucci were a totally different age group.
 8 Different age groups.
 9 **MS RICHARDS:** Thank you. Then there's one final passage
 10 from the Lindsay evidence I want to ask you about.
 11 Mrs Preston, could you find page 16 of the Lindsay
 12 transcript please.
 13 **A.** I think a major problem I've got is that --
 14 **MRS PRESTON:** He can't hear you.
 15 **THE WITNESS:** I'm sorry, one of my hearing aids is not
 16 working. Hang on, sorry.
 17 Okay. I'm on page 16 now.
 18 **MS RICHARDS:** Thank you. If you look towards the top of
 19 the page, three lines from the top, there is
 20 a question which begins:
 21 "I think as well you suggest that although it's
 22 unproven, you have some suggestions as to why in
 23 particular the haemophilia community has a certain
 24 progression in terms of Hepatitis C infection?"
 25 Then your answer is:

1 "As a group, they undoubtedly -- liver disease
 2 undoubtedly progresses more rapidly than in other
 3 similarly infected individuals. And the best example
 4 I can think of is of the unfortunate women in this
 5 jurisdiction who were infected through anti-D; as
 6 a group, many of them were infected in the late '70s,
 7 which is very similar to the time that many
 8 haemophiliacs were infected. And as you all know, the
 9 publication was in the New England Journal of Medicine
 10 fairly recently. It's my understanding that only 3% of
 11 that particular women have cirrhosis. And so, it seems
 12 that the -- not seems, the cirrhosis -- cirrhosis rate
 13 in haemophiliacs is substantially greater than that;
 14 many, many times greater than that. So clearly, there
 15 is a difference in infected haemophiliacs compared with
 16 other groups."
 17 Pausing there, Professor Preston, your evidence to
 18 Lindsay was that there was a higher rate of progression
 19 to cirrhosis for haemophiliacs infected with hepatitis C
 20 than others. Is that correct?
 21 **A.** Yes. Yes.
 22 **MRS PRESTON:** That's what you said.
 23 **A.** Yes, yes.
 24 **MS RICHARDS:** And if we read on the answers, the next bit
 25 reads:

1 "I think you suggest whilst not proven, it may be
2 the heavy viral load that a person will have received,
3 having received concentrate after concentrate after
4 concentrate?"
5 Answer:
6 "Absolutely. Because during the period 1975 to
7 1985, when the concentrates became safe for a severely
8 infected haemophiliac receiving two vials of concentrate
9 weekly, we can calculate that that is equivalent to
10 many, many millions of blood transfusions. And so each
11 time a vial was infused, it wouldn't be a single viral
12 load, it would be an enormous amount of viruses at each
13 treatment."
14 **A.** Yes.
15 **Q.** Stopping there, Professor, you suggested that one
16 reason for hepatitis C progressing more rapidly in
17 haemophiliac patients, was the heavy viral load that
18 they had experienced; is that right?
19 **A.** Yes, that's correct, yes.
20 **Q.** Then you go on to say, or the next question is:
21 "I think you also suggest, again, you say unproven,
22 but suggest it may be a factor that there could be
23 multiple genotypes?"
24 And your answer:
25 "Haemophiliacs are undoubtedly infected with

65

1 multiple genotypes, and there is also evidence that
2 clotting factor concentrates themselves have an
3 inhibitory affect on normal immune function. That may
4 be a factor but we don't really know."
5 Do your views remain as set out there?
6 **MRS PRESTON:** Do your views remain as set out there?
7 **A.** Yes.
8 **MS RICHARDS:** Thank you.
9 Professor Preston, I'm going to move on to consider
10 with you a different question and that's your knowledge
11 of HIV and AIDS and the risk of patients contracting
12 AIDS.
13 **A.** Yes.
14 **Q.** Are you able to recall when and how you first learnt
15 about the risk of AIDS from blood products?
16 **A.** Okay.
17 **Q.** Can you recall when you first learnt about the risk of
18 AIDS from blood products?
19 **MRS PRESTON:** Can you recall when you --
20 **A.** Yeah, I heard the question. No. I think so, but I'm
21 not entirely sure.
22 **MS RICHARDS:** I'll try to be a bit more specific. Did you
23 receive and read a publication called MMWR, Morbidity
24 and Mortality Weekly, they were reports from the CDC
25 in the States; did you used to get those?

66

1 **MRS PRESTON:** Did you get something from the CDC in the
2 States?
3 **A.** I cannot recall that.
4 **MS RICHARDS:** Did you use to read the New England Journal
5 of Medicine?
6 **MRS PRESTON:** Did you use to read the New England Journal
7 of Medicine?
8 **A.** Yes.
9 **MS RICHARDS:** Now, there's one document -- excuse me,
10 professor. There's one document I'm going to ask you
11 to look at.
12 Mrs Preston, it should be your document 10.
13 Henry, it's PRSE0002647, please.
14 **MRS PRESTON:** Minutes of the Blood -- the 13th meeting of
15 the Haemophilia Centre Directors?
16 **MS RICHARDS:** No, it's notes of meeting with Immuno at
17 London Airport, 24 January.
18 **THE WITNESS:** Oh, the airport?
19 **MRS PRESTON:** No, I don't have that one.
20 **MS RICHARDS:** It should have been your document 10,
21 Mrs Preston.
22 **MRS PRESTON:** Not my document 10. My document 10 says
23 Reference Centres, January '83.
24 **MS RICHARDS:** We may have to use it on screen, then. If
25 you can't read any part of it, let me know.

67

1 Henry, could we zoom in on the title and the first
2 paragraph so that Professor Preston can see them.
3 **MRS PRESTON:** This the meeting at London Airport.
4 **MS RICHARDS:** If you look at the screen, professor, it
5 says, "Notes of meeting with Immuno at London Airport,
6 24 January", and we know that was 1983.
7 **A.** Which year?
8 **Q.** 1983. The topic is "Hepatitis-reduced Factor VIII and
9 Factor IX concentrates for haemophilia therapy".
10 Then we can see from the first line that a Dr Eibl
11 from Immuno was present.
12 **THE WITNESS:** She can't find it, I'm afraid.
13 **MRS PRESTON:** I'm --
14 **THE WITNESS:** Well, it's on the screen.
15 **MS RICHARDS:** Okay. That's what the meeting was, Henry
16 can we go to the last page and can you go to the list
17 at the bottom of the page.
18 **THE WITNESS:** Can you increase the size of the text?
19 **MS RICHARDS:** Yes, we will do that.
20 So there's a list of people present --
21 **MRS PRESTON:** Oh, I've found it. It's the wrong number.
22 **THE WITNESS:** Excuse me. Right. Okay.
23 **MS RICHARDS:** So there's a list of people present, Dr
24 Evans, Dr Barrowcliffe, Dr Rizza, Dr Hamilton,
25 Dr Ludlum, Dr Colvin, Professor Hardisty, then you're

68

1 named, Dr Preston, and then there's a range of other
2 names including Professor Zuckerman, and then it's at
3 the bottom it says, "The Immuno team are led by
4 Dr Eibl".

5 We know this was a meeting that took place,
6 I think it was, at the Excelsior Hotel at London
7 Heathrow Airport. Do you have any memory of this
8 meeting?

9 **A.** Do I have what?

10 **Q.** Do you have any memory of this meeting?

11 **A.** I'm looking at the names. No, I don't.

12 I'm interested in the names. Dr Winfield. Why
13 was Dr Winfield there? Anyway, sorry. No, I don't
14 recall that meeting.

15 **Q.** If you look towards the -- sorry, if we go to page 3,
16 please, Henry, and we zoom in -- or you may find it
17 easier on your hard copy, Professor, it's entirely up
18 to you, halfway down the page there's a heading
19 "Acquired Immunodeficiency Syndrome".

20 **A.** Hold on. Right, okay. Wait a minute. Yeah, I see
21 that.

22 **Q.** You can see it says:

23 "This was discussed in the after lunch period.
24 Dr Kraske summarised the current position."

25 **A.** Yes.

69

1 **Q.** If we go to the last two paragraphs on that page, if
2 you could zoom in on those, Henry, you'll see it says:
3 "Up to 10 December 1982, some 800 people had been
4 reported as suffering from AIDS, and there was a 45%
5 mortality.

6 "Ten haemophiliacs in the US have been affected and
7 five have died. The youngest was aged 7. All cases
8 have had prolonged treatment with Factor VIII, but there
9 is no specific implication of one particular product or
10 batch. Other cases involving blood and blood product
11 transmission have included platelets transfused in three
12 cases. In one of these cases, one of the donors was
13 a young New York man in his twenties. A second case was
14 a 20-month old child with Rhesus HDN who had received
15 several units ..."

16 Then skipping a couple of lines:

17 "The child has developed autoimmune haemolytic
18 anaemia and a possible AIDS state."

19 You'll see from that, Professor, there was an update
20 about what was then known about AIDS. Do you recall any
21 of that discussion?

22 **MRS PRESTON:** There was an update on AIDS, do you recall
23 any of that discussion?

24 **A.** No.

25 **MS RICHARDS:** Did you tell your patients at any point that

70

1 factor concentrates carried a risk of AIDS?

2 **A.** I remember holding a meeting in the Haemophilia Centre
3 in Sheffield in which this was discussed.

4 **Q.** Was that a meeting to which all patients were invited?

5 **A.** Would you say that again, please.

6 **Q.** Was that a meeting to which all your patients were
7 invited?

8 **A.** What did she say?

9 **MRS PRESTON:** I think she said was that a meeting to
10 which -- did you say all the patients?

11 **MS RICHARDS:** I did, yes.

12 **A.** All patients and their families were invited.

13 **Q.** Can you remember when that meeting was, which year?

14 **MRS PRESTON:** Which year was it?

15 **A.** No, I can't remember the year.

16 **MS RICHARDS:** Can you remember what the purpose of that
17 meeting was?

18 **A.** Oh, the purpose of the meeting was to discuss -- to
19 discuss the problem of HIV in patients receiving
20 clotting factor concentrates.

21 **Q.** There's another document I'm going to ask you to look
22 at, professor.

23 Mrs Preston, I hope it's your document 11.

24 Henry, it's HCDO000003_008. No, that's not it.

25 **MRS PRESTON:** That's not it. Does it say, "Minutes of

71

1 a special meeting"?

2 **MS RICHARDS:** It does.

3 Henry, can I try another reference for you. You've
4 got the right document, Mrs Preston, we're just going to
5 try to get the right one here. Can you try
6 BPLL0001351_024. That's it.

7 **THE WITNESS:** Sorry, I was reading the -- have you just
8 asked a question?

9 **MS RICHARDS:** This is the minutes of a special meeting of
10 Haemophilia Centre Directors on 13 May 1983, and we
11 can see it was the Reference Centre Directors and your
12 name is there. Then also Dr Diana Walford from the
13 Department of Health.

14 **A.** Yes.

15 **Q.** If we look at the first line under the list of
16 attendees it says:

17 "Professor Bloom briefly outlined the background to
18 the meeting and its purpose. The recent publicity in
19 the press, radio and television about the problem of
20 AIDS had caused considerable anxiety to haemophiliacs
21 and their medical attendants as well as to the
22 Department of Health. There was clearly a need for
23 Haemophilia Centre Directors to discuss what should be
24 done with regard to the surveillance and reporting of
25 suspected cases and the management of patients."

72

1 Professor Preston, do you have any recollection of
2 this special meeting to discuss AIDS?

3 **A.** No.

4 **Q.** If we go to the second page --

5 **A.** Yeah, okay.

6 **Q.** -- if we go to the last paragraph on the second page,
7 it says:

8 "With regard to general policy to be followed in the
9 use of Factor VIII concentrates, it was noted that many
10 directors have up until now [and you don't need to worry
11 about the handwritten bit] reserved or restricted their
12 use of NHS concentrates for children and mildly affected
13 haemophiliacs and it was considered that it would be
14 circumspect to continue with that policy. It was also
15 agreed that there was, as yet, insufficient evidence to
16 warrant restriction of the use of imported concentrates
17 in other patients in view of the immense benefits of
18 therapy."

19 Professor Preston, I know you don't recall this
20 particular meeting, but can you recall having
21 discussions with your fellow Reference Centre Directors
22 about whether to stop using concentrates?

23 **A.** I can't remember the exact date but I do remember
24 having -- I do remember being involved in discussions
25 with other Reference Centre Directors, regarding this

73

1 particular subject.

2 **Q.** Can you tell us anything further about those
3 discussions? Do you recall anything about the detail
4 of them?

5 **A.** No, I cannot remember the detail.

6 **Q.** More generally, when the Reference Centre Directors
7 met, did everyone speak their mind?

8 **A.** Oh, absolutely. I don't think anybody disagreed with
9 the concept of continuing with treatment, with the
10 concentrates. Because if patients were not treated
11 with concentrates, they would be severely
12 incapacitated or even die. So treatment had to
13 continue with concentrates.

14 **Q.** And then there's one final document on the question of
15 AIDS I want to ask you to look at.

16 Mrs Preston, I hope it's your document 12. It's
17 a letter of 24th June 1983.

18 Henry, HCDO0000270_004, please.

19 **MRS PRESTON:** Oxford Haemophilia Centre.

20 **THE WITNESS:** What's the date?

21 **MRS PRESTON:** '83.

22 **MS RICHARDS:** 24th June 1983.

23 **A.** Yes, I've got it.

24 **Q.** Thank you. This is a letter that was sent to all
25 Haemophilia Centre Directors by Professor Bloom and

74

1 Dr Rizza.

2 **A.** Yes.

3 **Q.** It refers to the meeting of Reference Centre Directors
4 that we've just looked at. And then if you look at
5 the -- about a third of the way down the page there
6 are two numbered paragraphs. So it says:

7 "At the above mentioned meeting on May 13th the
8 following general recommendations were agreed.

9 "1. For mildly affected patients with haemophilia A
10 or von Willebrand's disease and minor lesions, treatment
11 with DDAVP should be considered. Because of the
12 increased risk of transmitting hepatitis by means of
13 large pool concentrates in such patients, this is in any
14 case the usual practice of many Directors."

15 Was that your usual practice at that time,
16 Professor?

17 **A.** Say that again?

18 **MRS PRESTON:** Was that your usual --

19 **A.** Oh, absolutely, yes.

20 **MS RICHARDS:** Then paragraph 2 says:

21 "For treatment of children and mildly affected
22 patients or patients unexposed to imported concentrates
23 many Directors already reserve supplies of NHS
24 concentrates (cryoprecipitate or freeze-dried) and it
25 would be circumspect to continue this policy."

75

1 **A.** Yes.

2 **Q.** Leave aside children, for mildly affected patients and
3 patients unexposed to imported concentrates, was that
4 your policy at the time: to use NHS concentrates for
5 them?

6 **A.** Yes, yes.

7 **Q.** Is it correct that you didn't, however, revert to the
8 use of cryoprecipitate to any great extent?

9 **A.** One minute, please.

10 What did she say?

11 **MRS PRESTON:** I think I got that as: did not revert to the
12 use of cryoprecipitate at that time?

13 Is that what you said?

14 **MS RICHARDS:** That's right, Mrs Preston.

15 **A.** You're asking whether we reverted to cryoprecipitate?

16 **MRS PRESTON:** Yes.

17 **A.** No, we did not.

18 **MS RICHARDS:** You did start using heat-treated products
19 earlier than some other centres.

20 **MRS PRESTON:** You did start using heat-treated products
21 earlier than some other centres?

22 **A.** I don't know, I really don't know that.

23 **MS RICHARDS:** Okay. You told the Lindsay Tribunal that
24 you started using heat-treated products in April 1984.

25 **MRS PRESTON:** You told the Lindsay Tribunal that you

76

1 started using heat-treated products in -- what month?

2 **MS RICHARDS:** April 1984.

3 **MRS PRESTON:** April 1984.

4 **A.** I think that's -- I'm not absolutely certain, but

5 I believe that to be correct.

6 **MS RICHARDS:** And is it correct you were involved in some

7 clinical trials of the early heat-treated products?

8 **MRS PRESTON:** You were involved in clinical trials of

9 early heat-treated products? You told that to the

10 Lindsay?

11 **A.** Oh, if I said this to the Lindsay report, then -- or

12 Inquiry, then that is correct.

13 **MS RICHARDS:** Okay, thank you.

14 **A.** I can't remember the exact dates.

15 **Q.** Okay. Can you remember what arrangements were made at

16 the Sheffield Centre for patients to be tested for

17 HIV?

18 **A.** I think all patients in Sheffield were tested for HIV.

19 **Q.** Professor Makris's statement suggests that you had

20 stored samples of patient sera, and that those stored

21 samples were tested; is that correct?

22 **A.** Yes. It is correct.

23 **Q.** Did you tell your patients in advance of the test,

24 that you were going to be testing them for HIV?

25 **A.** One minute, please.

77

1 **MRS PRESTON:** Did you tell the patients in advance that

2 you were going to be testing them for HIV?

3 **A.** Oh, absolutely. Yes.

4 **MS RICHARDS:** When you got the test results back, how did

5 you tell patients of their results?

6 **A.** When the results came back -- when the results came

7 back, whether they were positive or negative, we then

8 invited the patients and their -- the patients to our

9 department so that we could inform them of the

10 results.

11 **Q.** Did you do that at special appointments or did you

12 wait for their next scheduled appointment?

13 **A.** Special appointments.

14 **Q.** In your witness statement, your recollection was that

15 you hadn't tested the family members of patients, but

16 we've got a document that suggests you probably did.

17 We'll just look at that.

18 Mrs Preston, it's your document 22.

19 Henry, RHAL0000489, please.

20 **THE WITNESS:** Is this 22?

21 **MRS PRESTON:** Oh, I don't know what the --

22 **THE WITNESS:** I'm sure it's 22. Oh, this one, 72?

23 **MS RICHARDS:** If you look at it on the screen --

24 **MRS PRESTON:** You've lost me, please.

25 **THE WITNESS:** Good. Okay, I've got a document in front of

78

1 me.

2 **MS RICHARDS:** Okay. We can see it's addressed to you and

3 to Sister Farnsworth, I think that's Sister Joy

4 Farnsworth, 20th May 1986:

5 "As requested, an update on the anti HTLV-III status

6 of sexual partners and 'at risk' groups of our

7 haemophiliacs.

8 "Of the 19 tested all proved negative. (Latest data

9 May 1986).

10 "11 wives.

11 "4 girlfriends.

12 "3 mothers.

13 "1 sister."

14 In light of that document, do you accept that the

15 Centre did make arrangements to test partners and family

16 members?

17 **A.** Could you just repeat the question, please.

18 **Q.** Yes. Now that you've seen this document, do you

19 accept that the Centre did make arrangements to test

20 the partners and family members of patients?

21 **A.** Yes.

22 **Q.** When you made your statement, Professor, you couldn't

23 recall how many patients had been infected with HIV,

24 but we've got that information in Professor Makris's

25 statement. So I'm just going to read in that

79

1 information, and because Professor Makris had access

2 to records that you didn't have when you were making

3 your statement.

4 Professor Makris says, in his witness statement --

5 at paragraph 43.1, sir, for your note, that there were

6 38 patients at the centre infected with HIV, 28 with

7 severe haemophilia A, one moderate, five with mild

8 haemophilia A, and four with haemophilia B. None with

9 von Willebrand's.

10 But he makes the point that of those 38, eight had

11 been infected at the Children's Hospital and then

12 subsequently transferred post that to the Centre.

13 Professor Preston, I don't have a question for you

14 about those figures, but because you couldn't remember,

15 and Professor Makris was able to check, I just wanted to

16 read out the figures whilst you're giving your evidence,

17 okay?

18 Professor, can you remember how the care and

19 treatment of patients with HIV at the centre was

20 organised?

21 **A.** Sorry, have you just asked me a question?

22 **Q.** I have, Professor.

23 **MRS PRESTON:** How was the care and treatment of patients

24 with HIV organised at the centre?

25 **THE WITNESS:** How was the treatment?

80

1 **MRS PRESTON:** How was the care, treatment -- care -- how
 2 was the treatment and care for affected patients
 3 organised --
 4 **THE WITNESS:** With HIV?
 5 **MRS PRESTON:** With HIV.
 6 **A.** Sorry, the long delay is I'm trying to -- we organised
 7 treatment for patients with HIV, but we also included
 8 another doctor, such as Dr Triger, or -- Dr Triger or
 9 somebody from Dr Triger's department.
 10 **MS RICHARDS:** Okay.
 11 And again, Professor Makris's statement suggests
 12 that patients with HIV were managed at the Haemophilia
 13 Centre rather than the Infectious Diseases Department,
 14 but you could call on the Infectious Diseases
 15 Department's team for assistance if you needed it.
 16 Does that sound right?
 17 **A.** It sounds right. I've just remembered that, with
 18 respect to HIV, we also involved the people from the
 19 genitourinary department. I forgot to mention that.
 20 But that's important.
 21 **Q.** Can you recall what arrangements were made for testing
 22 patients for hepatitis C once the test for hepatitis C
 23 became available?
 24 **A.** I think I heard you. The answer is yes.
 25 **Q.** And did you again use stored samples to test for

81

1 hepatitis C?
 2 **A.** Did we do what?
 3 **Q.** Did you use stored samples of patient sera to test for
 4 hepatitis C?
 5 **A.** Yes.
 6 **Q.** Were patients told in advance that their samples were
 7 going to be tested for hepatitis C?
 8 **A.** They were not told in advance, no. I don't think so.
 9 **Q.** When you were organising the treatment of patients
 10 with hepatitis C, was that organised together with
 11 Dr Triger's team of hepatologists?
 12 **A.** Can you repeat that, please?
 13 **Q.** When you were looking after patients with hepatitis C,
 14 did you call on Dr Triger and his team to assist?
 15 **A.** Yes.
 16 **Q.** Do you recall if you were involved in early clinical
 17 trials or studies related to interferon as a treatment
 18 for hepatitis C?
 19 **A.** I couldn't hear your question.
 20 **Q.** Can you recall if you were involved in trials or
 21 studies of interferon for treatment of hepatitis C?
 22 **A.** One minute, please.
 23 **MRS PRESTON:** Were you involved in trials for interferon,
 24 with relation to hepatitis C? Trials?
 25 **A.** I can't remember if we were involved in trials. I do

82

1 not think so but I'm not 100% certain.
 2 **MS RICHARDS:** I'm going to ask you to look at a couple of
 3 letters, professor.
 4 It should be, Mrs Preston, your document 13,
 5 I hope.
 6 Henry, it's ARMO0000282.
 7 **THE WITNESS:** You're doing brilliant at this. What's
 8 this?
 9 **MRS PRESTON:** Can I just say something please?
 10 **MS RICHARDS:** Yes, of course.
 11 **MRS PRESTON:** I -- when I was going through the paper,
 12 I decided to put all the documentation with
 13 Revlon Health Care together. It was just easier for
 14 me.
 15 **MS RICHARDS:** Thank you.
 16 **MRS PRESTON:** So every single letter that I could find
 17 that related to Revlon, both from Revlon and to
 18 Revlon, are in this bundle that my husband is looking
 19 at now.
 20 **MS RICHARDS:** That's very helpful of you, Mrs Preston,
 21 thank you.
 22 So if we look at this first letter, Professor, it's
 23 a letter from Revlon Health Care dated 29 July 1983.
 24 **A.** I have it in front of me.
 25 **Q.** Great.

83

1 "Dear Dr Preston,
 2 "Further to your letter to Chris Bishop of
 3 22nd June, we have made provision in our 1983, 1984 and
 4 1985 budgets for the following payments to your unit:
 5 "This quarter 1983 -- £3,000.
 6 "Last quarter 1983 -- £4,000.
 7 "Each quarter of 1984 £2,500, each of first two
 8 quarters of 1985 £2,500, being a total grant of £22,000
 9 over a two year period. The payments for the initial
 10 period are higher than subsequent payments to enable you
 11 to purchase essential equipment."
 12 So that's Revlon's letter to you, and then we just
 13 look at your reply, which is 11th August 1983.
 14 Henry, it's ARMO0000286.
 15 So you replied:
 16 "Dear Dr Christie,
 17 "Thank you for your letter dated July 29th, and for
 18 the cheque of £3,000 made payable to the Haemostasis
 19 Research Fund. I am very grateful for your generous
 20 support on this research product.
 21 "I had the opportunity to discuss the project in
 22 greater detail with Dr Townsend when we met recently in
 23 Stockholm. I will, of course, keep in touch with her,
 24 and as you suggest I will make arrangements for further
 25 discussions between you and Dr Triger and myself in

84

1 a few months' time."
 2 **A.** Yes.
 3 **Q.** Can you recall anything further about the funding you
 4 received from Revlon and what it was for?
 5 **THE WITNESS:** Could you repeat -- what did she say?
 6 **MRS PRESTON:** I didn't get it.
 7 **THE WITNESS:** Could you repeat that, please.
 8 **MS RICHARDS:** Can you remember anything more than is in
 9 the letters about this funding arrangement with
 10 Revlon? What was it for?
 11 **MRS PRESTON:** Can you remember anything more about this
 12 funding arrangement with Revlon? What was it for?
 13 **A.** What was it for? Oh, um, one minute, please.
 14 Ooh, it was -- for studies -- no, I cannot
 15 remember for studies with respect to liver disease or
 16 HIV.
 17 **MS RICHARDS:** Don't worry. There's one further letter.
 18 I'll see if this prompts your memory. If it doesn't,
 19 don't worry.
 20 Henry, it's ARMO0000369.
 21 Professor, this is a letter dated March 26th, 1989
 22 from Revlon.
 23 **THE WITNESS:** (Overspeaking) just helping me out here.
 24 **MRS PRESTON:** No, I'm sorry, we haven't got it.
 25 **MS RICHARDS:** Don't worry. If you just look on the

85

1 screen, I'm hoping you can see that. So this letter
 2 is from March 1985 to you, it encloses a cheque for
 3 2,500. And then in the second paragraph it says:
 4 "With respect to this research work and the
 5 publication of your experience with the heat-treated
 6 Factorate in two patients, I hope to come and see you
 7 when next in Sheffield."
 8 Did you do research funded by Revlon on the
 9 heat-treated Factorate?
 10 **MRS PRESTON:** Did you do any research with Revlon on
 11 heat-treated Factorate?
 12 **A.** Ooh ... no, I cannot recall.
 13 **MS RICHARDS:** Okay, don't worry.
 14 We've seen reference in some documents, I'm not
 15 going to ask you to look at the documents, Professor, to
 16 something called the Haemostasis Club. Do you remember
 17 a gathering called the Haemostasis Club at all?
 18 **A.** Do I remember?
 19 **Q.** A gathering or meeting of the Haemostasis Club?
 20 **A.** What's the question?
 21 **MRS PRESTON:** Do you remember any meetings of the
 22 Haemostasis Club?
 23 **A.** I do -- I can't remember specifics of meeting.
 24 Certainly we had meetings with the Haemostasis Club
 25 but I cannot remember the detail.

86

1 **MS RICHARDS:** Don't worry about the detail at all. Can
 2 you just tell us what the Haemostasis Club was?
 3 **A.** What was the Haemostasis Club? Oh, this is ... this
 4 is meetings of local departments, departments close to
 5 Sheffield. Yeah, meetings of haematologists that were
 6 in departments that were close to Sheffield.
 7 **Q.** Now other than the funding that you received from
 8 Revlon or other companies, did you receive visits from
 9 pharmaceutical representatives?
 10 **A.** Did I receive visits from?
 11 **MRS PRESTON:** Other than the money that you received from
 12 Revlon or other pharmaceutical companies, did you
 13 receive any visits from representatives of
 14 pharmaceutical companies?
 15 **A.** Yes.
 16 **MS RICHARDS:** What generally was the purpose of those
 17 visits?
 18 **A.** Oh, to discuss research projects which related to
 19 their particular companies. That was the main reason.
 20 **Q.** There's one further document on a different topic,
 21 Mrs Preston, if you can locate it, document 24.
 22 Henry, it's BPLL0000956.
 23 **THE WITNESS:** You're doing a good job.
 24 **MRS PRESTON:** Yeah, I should have done that for a living.
 25 **THE WITNESS:** Okay, I've got this.

87

1 **MS RICHARDS:** Okay, this is a letter or a series of
 2 letters about the possibility of transmission of
 3 parvovirus.
 4 **A.** Yes.
 5 **Q.** If we go to the -- what I hope is the second letter,
 6 Mrs Preston can help you find it if there's a problem,
 7 dated 24th November 1986. There's a letter from you.
 8 **A.** Can you just -- one minute. I think I've got the
 9 wrong letter.
 10 **Q.** There should be three letters there.
 11 **MRS PRESTON:** No, I've only got one letter.
 12 **THE WITNESS:** I've got a letter to a Dr Lane, a Richard
 13 Lane, dated 24th November 86.
 14 **MRS PRESTON:** And we have no more than that. That's all
 15 we have.
 16 **MS RICHARDS:** Okay.
 17 Well, I can ask you about it from that letter in
 18 that case. So if we look at that letter --
 19 **THE WITNESS:** Are you talking about the letter to
 20 Dr Mortimer or Dr Lane?
 21 **MS RICHARDS:** If you look at the letter you've got --
 22 Henry, it's the third page -- (overspeaking) --
 23 **THE WITNESS:** I'm just saying, you're about to ask me
 24 a question. Is it about the letter to Dr Lane?
 25 **MS RICHARDS:** The letter I was going to ask you about, and

88

1 I'm sorry for the confusion, there are three letters
 2 about parvovirus and I was going to ask you about the
 3 one that's on screen. Can you read the letter that's
 4 on screen okay?
 5 **A.** I've got this one in front of me, yes.
 6 **Q.** So this is a letter from you to Dr Lane, about --
 7 **A.** Yes.
 8 **Q.** -- an acute parvovirus infection in one of your
 9 patients. This is November 1986.
 10 **A.** That's correct.
 11 **Q.** And can you recall how common it was for patients to
 12 develop parvovirus?
 13 **A.** Say that again, please.
 14 **Q.** How common was it for your patients to develop
 15 parvovirus?
 16 **MRS PRESTON:** How common was it for your patients to
 17 develop parvovirus?
 18 **A.** Not very common, no.
 19 **MS RICHARDS:** When they did, was it a serious infection?
 20 **MRS PRESTON:** When they did, was it a serious infection?
 21 **A.** I think in the haemophilia, yes, it was.
 22 **MS RICHARDS:** Sir, I note --
 23 **THE WITNESS:** I was going to say, it was also important,
 24 because it was important to distinguish this from
 25 non-A, non-B hepatitis.

89

1 **MS RICHARDS:** Sir, I note the time. I've nearly reached
 2 the end of my questions, but recognise legal
 3 representatives need the opportunity to suggest
 4 questions. I was going to ask Professor Preston if he
 5 preferred to come back tomorrow or resume after lunch,
 6 if that's all right with you, sir.
 7 **SIR BRIAN LANGSTAFF:** Yes.
 8 **MS RICHARDS:** Professor Preston and Mrs Preston --
 9 **MRS PRESTON:** Yes.
 10 **THE WITNESS:** If you want me tomorrow --
 11 **MS RICHARDS:** There may be a few more questions for you,
 12 not too many, perhaps half an hour. I wouldn't have
 13 thought any more than that. Would you prefer to have
 14 lunch and then finish the questions after lunch, or
 15 would you prefer to come back tomorrow morning?
 16 **MRS PRESTON:** Would you prefer to have the questions after
 17 lunch or would you prefer to come back tomorrow
 18 morning? The questions will be about half an hour.
 19 **THE WITNESS:** What do you think?
 20 **MRS PRESTON:** Well, I think you need to know if we wait
 21 until after lunch, do we come back tomorrow?
 22 **THE WITNESS:** If we come back after lunch, do we have to
 23 come back tomorrow?
 24 **MS RICHARDS:** No, you wouldn't need to.
 25 **THE WITNESS:** Do it today.

90

1 **MRS PRESTON:** It's up to you.
 2 **THE WITNESS:** Well, no --
 3 **MRS PRESTON:** I'd rather get it over.
 4 **THE WITNESS:** Yes, we'd rather get it over with today.
 5 **MS RICHARDS:** That's understood, Professor. In that case,
 6 sir, two o'clock?
 7 **SIR BRIAN LANGSTAFF:** Yes.
 8 We'll take a break now then, Professor. We'll
 9 come back at two o'clock, and we shall finish your
 10 evidence in roughly half an hour after that.
 11 **THE WITNESS:** Okay, and then I --
 12 **SIR BRIAN LANGSTAFF:** Thank you very much so far. A break
 13 now until two o'clock. Two o'clock.
 14 (12.58 pm)
 15 (Luncheon Adjournment)
 16 (2.00 pm)
 17 **MS RICHARDS:** Professor Preston, can you hear me?
 18 **THE WITNESS:** Oh, thank god, how did it do that?
 19 **MS RICHARDS:** Can you hear me, Professor?
 20 **MRS PRESTON:** I can hear, I'm just astonished to see you.
 21 **MS RICHARDS:** That's the plan.
 22 **THE WITNESS:** I only pressed an arrow and got you!
 23 **MRS PRESTON:** Aren't you the lucky one?
 24 **SIR BRIAN LANGSTAFF:** Just pause for a moment. Can
 25 everyone see Professor Preston? He's not on the main

91

1 screen.
 2 **MS RICHARDS:** We'll just get that sorted.
 3 **THE WITNESS:** No, it's my fault. I pressed a button.
 4 **MS RICHARDS:** That's all right. You stay where you are.
 5 We're just sorting things out our end.
 6 **THE WITNESS:** Sorry.
 7 **MRS PRESTON:** Take a seat. Sit straight. Don't make any
 8 jokes.
 9 **THE WITNESS:** No jokes.
 10 **MS RICHARDS:** Professor Preston, I've just got a few more
 11 questions for you. Before lunch --
 12 **THE WITNESS:** Have we started?
 13 **MS RICHARDS:** Yes, we're starting now. Okay?
 14 **THE WITNESS:** Oh, okay.
 15 **MS RICHARDS:** Before lunch I'd asked you about parvovirus,
 16 and --
 17 **A.** Parvovirus?
 18 **Q.** -- you said it was important to distinguish parvovirus
 19 from non-A, non-B hepatitis. Could you elaborate upon
 20 that? Why was it important to be able to identify
 21 parvovirus in patients?
 22 **MRS PRESTON:** Why was it important to be able to identify
 23 parvovirus in patients, in contrast to NANB?
 24 **A.** Let me just think this through. I think if -- I was
 25 thinking from the point of view of a doctor, who

92

1 doesn't have too much experience of this, but is
 2 involved in it, and so you've got to be able to
 3 distinguish all the different viruses that -- I'm not
 4 doing this very well, am I?
 5 **MS RICHARDS:** That's all right.
 6 **A.** No, it isn't all right. It's terrible. I wish I'd --
 7 sorry about that.
 8 **Q.** Don't worry. Was there a particular treatment that
 9 was available for parvovirus?
 10 **A.** Treatments, I don't know anything about treatments for
 11 parvovirus.
 12 **Q.** Okay, don't worry then.
 13 **A.** No. Thank god for that.
 14 **Q.** In your witness statement, Professor Preston, you said
 15 that in relation to the risk of hepatitis you tried to
 16 choose the product that was safest.
 17 **A.** Yes.
 18 **Q.** What criteria did you apply in deciding which was the
 19 safest product?
 20 **A.** Say your final sentence again.
 21 **Q.** How did you decide which was the safest product?
 22 **A.** I think you're doing this from history. You're
 23 looking at all the different products and you're
 24 seeing that the local product is not associated with
 25 other risk factors where some of the commercial ones

93

1 were. So you're basing your choice on what has
 2 happened in the past with the various products.
 3 **Q.** Then I wanted to go back to one document we looked at
 4 this morning, Professor. It was the 1983 annual
 5 returns.
 6 So Mrs Preston, it was part of document 2.
 7 Henry, it's HCDO0000216_003, I think.
 8 It's also up on the screen, Professor Preston.
 9 **MRS PRESTON:** What year?
 10 **MS RICHARDS:** 1983, please, Mrs Preston.
 11 **THE WITNESS:** Right. And there's a question for me on
 12 this slide, is there?
 13 **MS RICHARDS:** Yes.
 14 If you just look at the figures for Kryobulin, the
 15 Immuno product, there's a significant increase here in
 16 your use of Kryobulin compared to the previous year.
 17 Can you recall why?
 18 **A.** What's the question?
 19 **MRS PRESTON:** Why was there an increase in the use of
 20 Kryobulin, as opposed to the previous year? Why did
 21 you --
 22 **A.** Oh wow, wow. What a question. I have no idea.
 23 [laughs]. I thought -- at the time, I thought it was
 24 a good idea to have a different, a number of different
 25 commercial concentrates. Well, I can't give an answer

94

1 to that. It may be one specific patient needed a lot.
 2 I really don't know.
 3 **MS RICHARDS:** Okay.
 4 The next question requires us to look at the
 5 evidence you gave to the Lindsay Tribunal.
 6 So Mrs Preston, that's the Lindsay transcript that
 7 you have as your document 1.
 8 Henry, it's LIND0000323.
 9 **THE WITNESS:** You can hear this, can't you? I can't.
 10 **MRS PRESTON:** What page?
 11 **MS RICHARDS:** Page 7, please, Mrs Preston.
 12 **THE WITNESS:** It's a new page.
 13 **MRS PRESTON:** It is, isn't it.
 14 **THE WITNESS:** The question is to you, not to me.
 15 **MRS PRESTON:** It's not to me!
 16 **THE WITNESS:** Oh, I'm sorry.
 17 **MRS PRESTON:** It's to you.
 18 **THE WITNESS:** Right. I've got a page in front of me.
 19 **MS RICHARDS:** Page 7, I hope you have.
 20 **MRS PRESTON:** We've got page 7.
 21 **MS RICHARDS:** Great.
 22 So, about four or five lines down, you give an
 23 answer:
 24 "So, we were involved in a study using the Armour
 25 product, and our first patient -- we enrolled our first

95

1 patient in April 1984. In fact, we treated two patients
 2 in rapid succession with the same product."
 3 Then you were asked what was the heat treatment
 4 protocol, and you said:
 5 "It was a dry-heated product."
 6 And you were asked what it was heated at, and you
 7 said:
 8 "... it was a low temperature for a short period of
 9 time ... 60 degrees for 24 hours.
 10 Then you were asked:
 11 "And what was the result of that clinical trial?"
 12 And you said:
 13 "The result is that we had two very ill patients
 14 with hepatitis; and that was unusual in itself, because
 15 most cases of acute non-A, non-B Hepatitis are patients
 16 who are very frequently asymptomatic. These two people
 17 were particularly ill, which concerned us greatly, so we
 18 withdrew from the study."
 19 **A.** Right.
 20 **Q.** Professor Preston, so that's the study of heat-treated
 21 products using the Armour product in 1984.
 22 **A.** Right.
 23 **Q.** Do you know if other centres continued to participate
 24 in that trial after your two patients became very ill?
 25 **A.** Are you asking if I know about other centres?

96

1 Q. Yes. Do you know if the trial continued after you
 2 withdrew your patients?
 3 A. I don't know. I don't know about any involvement of
 4 other centres.
 5 Q. Okay. And your patients, did they know that they were
 6 participating in a trial?
 7 MRS PRESTON: Did the patients know they were
 8 participating in a trial? Your patients?
 9 A. Oh. All of our patients who were in trials knew that
 10 they were in a trial. And they knew which -- no, they
 11 knew they were in a trial.
 12 MS RICHARDS: The next question -- you can put away that
 13 document, Professor, I don't need to ask you about it
 14 again.
 15 A. Okay.
 16 Q. I asked you this morning about the funding you
 17 received from pharmaceutical companies for research.
 18 When you carried out research for pharmaceutical
 19 companies, were you free to publish the results of
 20 your research?
 21 MRS PRESTON: When you carried out research for
 22 pharmaceutical companies, were you free to publish the
 23 results?
 24 A. Oh, absolutely. No, absolutely.
 25 MS RICHARDS: And did the pharmaceutical companies who

97

1 funded your research insist on you using their
 2 products more generally in the centre?
 3 MRS PRESTON: Did the pharmaceutical companies insist that
 4 you used their products more -- I didn't get the --
 5 MS RICHARDS: More generally in the centre? So beyond the
 6 trial.
 7 MRS PRESTON: Did they insist that you used their products
 8 more generally in the centre --
 9 A. No, no, they didn't. They hoped, but they didn't.
 10 MS RICHARDS: Then are you able to tell us the difference
 11 between an observational study and a clinical study in
 12 terms of research?
 13 MRS PRESTON: Are you able to tell the difference between
 14 an observational study and a clinical study in terms
 15 of the research?
 16 A. They were totally different. So conclusions to be
 17 drawn are not going to be the same. Not a very good
 18 answer, this.
 19 MS RICHARDS: Don't worry. With clinical studies, did you
 20 require the consent of patients?
 21 MRS PRESTON: Did you require the consent of patients for
 22 clinical studies?
 23 A. For any study, we had to receive -- we had to, first
 24 of all, apply to the hospital, and we also -- the
 25 patients were also informed.

98

1 MS RICHARDS: With the work that you carried out over
 2 a number of years undertaking biopsies on patients,
 3 were those patients who required biopsies for their
 4 treatment, or was it just for the purpose of research?
 5 A. Sorry, the only reason I'm laughing is my wife can
 6 hear you clearly and I can't.
 7 MRS PRESTON: I can't. I didn't get that one very well.
 8 THE WITNESS: Say it again.
 9 MS RICHARDS: I'll try that one again. You carried out
 10 research for a number of years involving biopsies on
 11 patients.
 12 MRS PRESTON: Carried out a number of patient -- biopsies
 13 on patients for a number of years.
 14 A. Yeah.
 15 MS RICHARDS: Were those patients who -- sorry, were those
 16 biopsies undertaken solely for the purpose of
 17 research?
 18 MRS PRESTON: Were those biopsies undertaken solely for
 19 the purposes of research?
 20 A. Oh no, no. Absolutely not.
 21 MS RICHARDS: And what would the other reasons for it
 22 undertaking -- what were the other reasons for
 23 undertaking biopsies?
 24 MRS PRESTON: What other reasons were there for
 25 undertaking --

99

1 A. For diagnosis.
 2 MS RICHARDS: Professor Preston, those are all the
 3 questions I have for you.
 4 Sir Brian, are there any questions you have for the
 5 professor?
 6 SIR BRIAN LANGSTAFF: No, there aren't, thank you very
 7 much.
 8 MS RICHARDS: Professor, that is in terms of questions.
 9 Is there anything you would like to add?
 10 THE WITNESS: No, I don't -- I can't think of anything.
 11 No.
 12 MS RICHARDS: Okay, thank you.
 13 SIR BRIAN LANGSTAFF: Can I begin by thanking Mrs Preston,
 14 who we have been able to not -- she's been invisible
 15 but we have been able to hear her, and it's plain that
 16 she's been a very great assistance to you and to us.
 17 She said at one stage --
 18 MRS PRESTON: I've lost my calling. [laughs].
 19 SIR BRIAN LANGSTAFF: Well, I think you have, but you're
 20 a very plain view that every man needs a good woman!
 21 THE WITNESS: Yes!
 22 SIR BRIAN LANGSTAFF: I think my wife would be entirely in
 23 agreement with you and, unfortunately, she's
 24 absolutely right, I'm delighted to say. So thank you
 25 very much for doing what you've done for us.

100

1 **MRS PRESTON:** I won't say it's been a pleasure but you
2 know what I mean.

3 **SIR BRIAN LANGSTAFF:** Well, thank you both for the very
4 good humour that you've shown, despite all the
5 challenges we've had with the technology, both our
6 technology and the sound quality, and your own
7 hearing-aids at one stage. So it's been an
8 experience, I think we can say. Thank you very much.
9 But you've borne it all with remarkable good humour,
10 and to our great advantage, and I'd just like to thank
11 you, Professor, for giving evidence and being prepared
12 to do so and helping us in this Inquiry as you have
13 others in the past.

14 So thank you, and we shan't need to hear from you
15 tomorrow. So that is the end of your involvement for
16 today.

17 **MRS PRESTON:** Thank you.

18 **THE WITNESS:** Thank you very much, both of you. You've
19 been very kind and very helpful.
20 Housekeeping

21 **MS RICHARDS:** Sir, we --

22 **SIR BRIAN LANGSTAFF:** Yes?

23 **MS RICHARDS:** Sir, it's me now. We're not proposing
24 therefore to sit tomorrow, because we were going to
25 run on to Professor Preston's evidence if needed but

101

1 we won't be needing that, and it'll be Professor Hay
2 on Wednesday and Thursday.

3 **SIR BRIAN LANGSTAFF:** Yes. So I'm going to say goodnight
4 to those of you who are here in a moment, but
5 I promised earlier this morning that I would say
6 something about this Inquiry's response to the
7 proposals which are to be put before Parliament on
8 Wednesday, and it's this:

9 I recognise that this is an uncertain time. More
10 people than ever have been following the Inquiry's
11 hearings from home, and I expect that many of you --
12 I'm talking largely to those who are watching online,
13 but also to those who are here -- will be wondering
14 what the tighter restrictions that have been coming
15 into force across the UK, and are expected to be in
16 place in England from this Thursday, 5th November,
17 what they will mean for the Inquiry.

18 The first point to make is this: many people have
19 been waiting years for the answers this Inquiry is
20 tasked with delivering. The Inquiry's work is too
21 important to wait. Our hearings will proceed as
22 timetabled. However, there will be some changes.

23 Ms Richards and I will be in the hearing room to
24 take evidence from witnesses online. Our questioning
25 will be just as robust and fair as if we were taking

102

1 evidence from someone in the hearing room. But in
2 keeping with the new restrictions, we will not be able
3 to welcome members of the public, in particular people
4 infected and affected, to attend in person at Fleetbank
5 House.

6 I wish it were otherwise. But given the matters we
7 are investigating, we of all people must not contribute
8 to the spread of infection. The recognised legal
9 representative of a witness giving evidence may choose
10 to come to Fleetbank House in person, however other
11 recognised legal representatives and journalists have,
12 in many cases, been following proceeds remotely already,
13 and we ask that their colleagues do likewise, unless it
14 is clearly essential that they be in Fleetbank House.
15 We will of course continue to stream the hearings on
16 YouTube and on the live broadcast. We are also hosting
17 a meeting online after each week of hearings for people
18 who would like to talk to other people infected and
19 affected by their experience of watching those hearings.
20 If you'd like to find out more about that, please get in
21 touch with the engagement team.

22 We are conscious that we must look after the
23 wellbeing of everyone connected to the Inquiry, so far
24 as we can. So the Inquiry's confidential,
25 psychological, telephone support service will remain

103

1 open to anyone who wishes to talk to them.

2 We will do what we can to ensure that the
3 restrictions do not delay the progress of the Inquiry.
4 We have announced indicative hearing weeks into the
5 spring, and we will continue to announce new witnesses
6 when they have been timetabled.

7 Once the restrictions have eased, I hope that it
8 will once again be possible for Inquiry participants to
9 come to the Inquiry's hearings in person, albeit with
10 the safety measures and social distancing that we have
11 become used to.

12 Until then, I hope that you and those whom you love
13 keep safe. Thank you.

14 For those who return before the restrictions are
15 approved on Wednesday, we meet at 10.00.

16 (2.19 pm)

17 (The hearing adjourned until Wednesday, 4 November 2020 at
18 10.00 am)

19
20
21
22
23
24
25

1	INDEX	
2	FRANCIS ERIC PRESTON (affirmed)	2
3	Examined by MS RICHARDS	2
4	Housekeeping	101
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

<p>LAURA: [3] 46/6 46/8 46/13</p> <p>MRS PRESTON: [142]</p> <p>MS RICHARDS: [155]</p> <p>SIR BRIAN LANGSTAFF: [40] 1/3 1/16 1/19 1/24 38/9 38/14 43/25 44/8 45/19 46/1 47/4 47/6 47/13 47/22 47/24 55/9 55/11 55/20 57/5 57/7 57/16 57/22 58/2 58/6 58/13 58/18 58/24 59/8 59/15 90/7 91/7 91/12 91/24 100/6 100/13 100/19 100/22 101/3 101/22 102/3</p> <p>THE WITNESS: [93] 1/14 1/18 1/23 2/2 11/16 11/18 11/20 14/9 21/18 21/21 21/23 27/17 27/25 28/2 34/4 34/6 37/3 37/7 37/9 37/11 41/8 44/15 45/8 45/10 45/25 46/3 46/10 47/8 47/23 48/5 52/23 53/6 53/9 55/2 55/6 55/10 55/19 57/15 57/20 57/24 58/4 58/11 60/8 60/10 60/20 62/1 63/15 67/18 68/12 68/14 68/18 68/22 72/7 74/20 78/20 78/22 78/25 80/25 81/4 83/7 85/5 85/7 85/23 87/23 87/25 88/12 88/19 88/23 89/23 90/10 90/19 90/22 90/25 91/2 91/4 91/11 91/18 91/22 92/3 92/6 92/9 92/12 92/14 94/11 95/9 95/12 95/14 95/16 95/18 99/8 100/10 100/21 101/18</p> <p>'70s [3] 23/19 28/13 64/6</p> <p>'83 [2] 67/23 74/21</p> <p>'at [1] 79/6</p> <p>'But [1] 37/22</p> <p>'The [1] 37/18</p> <p>'...' [1] 37/20</p>	<p>0</p> <p>003 [2] 14/2 94/7</p> <p>004 [1] 74/18</p> <p>008 [2] 11/10 71/24</p> <p>009 [1] 9/7</p> <p>024 [1] 72/6</p> <p>1</p> <p>10 [4] 67/12 67/20 67/22 67/22</p> <p>10 December 1982 [1] 70/3</p> <p>10.00 [3] 1/2 104/15 104/18</p> <p>100 [3] 19/24 49/12 83/1</p> <p>106,500 [1] 13/11</p> <p>11 [2] 71/23 79/10</p> <p>11.03 [1] 44/16</p> <p>11.30 [3] 44/4 44/4 44/14</p> <p>11.32 [1] 44/18</p> <p>11.38 [1] 48/1</p> <p>11.44 [1] 48/3</p> <p>11.57 [1] 55/21</p> <p>119,030 [1] 14/24</p> <p>11th August 1983 [1] 84/13</p> <p>12 [1] 74/16</p> <p>12 months [1] 31/9</p> <p>12.01 [1] 55/23</p> <p>12.58 [1] 91/14</p> <p>120,296 [1] 15/5</p> <p>13 [1] 83/4</p> <p>13 May 1983 [1] 72/10</p> <p>135,790 units [1] 11/2</p> <p>13th [2] 67/14 75/7</p> <p>142 pages [1] 7/4</p> <p>148,900 [1] 12/20</p> <p>15 December 1980 [1] 39/2</p> <p>15th December 1980 [1] 38/21</p> <p>16 [2] 63/11 63/17</p> <p>166,160 [1] 14/18</p> <p>17 [1] 50/17</p> <p>19 [2] 49/20 79/8</p> <p>193,660 [1] 15/4</p> <p>1964 [1] 2/18</p> <p>197,170 [1] 12/8</p> <p>1970s [6] 3/14 4/24 15/17 15/22 25/13 27/1</p> <p>1972 [1] 2/18</p> <p>1974 [1] 3/7</p> <p>1975 [1] 65/6</p> <p>1976 [5] 7/3 9/6 9/11 10/11 10/15</p> <p>1978 [9] 29/5 29/14 37/22 45/2 45/11 46/20 47/1 48/7 48/7</p>	<p>1980 [3] 3/23 38/21 39/2</p> <p>1980s [3] 15/17 15/22 19/4</p> <p>1981 [1] 7/4</p> <p>1982 [4] 11/9 11/22 41/11 70/3</p> <p>1983 [14] 13/25 14/11 68/6 68/8 72/10 74/17 74/22 83/23 84/3 84/5 84/6 84/13 94/4 94/10</p> <p>1984 [9] 23/2 24/4 76/24 77/2 77/3 84/3 84/7 96/1 96/21</p> <p>1985 [10] 22/13 49/24 52/21 53/5 53/7 58/1 65/7 84/4 84/8 86/2</p> <p>1986 [4] 79/4 79/9 88/7 89/9</p> <p>1987 [2] 5/6 5/12</p> <p>1988 [1] 4/19</p> <p>1989 [1] 85/21</p> <p>1995 [1] 4/19</p> <p>1999 [1] 38/12</p> <p>2</p> <p>2,500 [3] 84/7 84/8 86/3</p> <p>2.00 [1] 91/16</p> <p>2.19 [1] 104/16</p> <p>2000 [1] 4/5</p> <p>2001 [3] 6/10 24/11 43/8</p> <p>2020 [2] 1/1 104/17</p> <p>20th [1] 79/4</p> <p>21 [1] 50/17</p> <p>21st November 1999 [1] 38/12</p> <p>22 [3] 78/18 78/20 78/22</p> <p>22,000 [1] 84/8</p> <p>220,750 [1] 12/6</p> <p>228 [1] 53/1</p> <p>22nd June [1] 84/3</p> <p>234 [2] 22/3 22/4</p> <p>24 [1] 87/21</p> <p>24 hours [1] 96/9</p> <p>24 January [2] 67/17 68/6</p> <p>241 [2] 22/1 22/4</p> <p>243,005 [1] 14/19</p> <p>24th June 1983 [2] 74/17 74/22</p> <p>24th November 1986 [1] 88/7</p> <p>24th November 86 [1] 88/13</p> <p>265,430 [1] 12/25</p> <p>26th [1] 85/21</p> <p>27 [1] 36/21</p> <p>27th [3] 53/5 53/7 58/1</p>	<p>28 [2] 53/2 80/6</p> <p>28,500 [1] 9/25</p> <p>282 [1] 22/1</p> <p>28th [1] 53/11</p> <p>29 [1] 25/3</p> <p>29 July [1] 83/23</p> <p>29th [1] 84/17</p> <p>2nd November 2020 [1] 1/1</p> <p>3</p> <p>3,000 [3] 58/20 84/5 84/18</p> <p>309 [1] 58/21</p> <p>32 [1] 52/22</p> <p>34 [1] 61/23</p> <p>36 [1] 22/14</p> <p>36,565 [1] 13/5</p> <p>37 [1] 9/15</p> <p>38 [1] 80/10</p> <p>38 patients [1] 80/6</p> <p>4</p> <p>4,000 [1] 84/6</p> <p>40 [2] 14/13 39/16</p> <p>42,500 [1] 15/2</p> <p>43.1 [1] 80/5</p> <p>44 [1] 14/16</p> <p>45 [1] 70/4</p> <p>46 [4] 21/24 22/10 22/15 22/16</p> <p>47 [1] 22/8</p> <p>5</p> <p>50,596 [1] 10/9</p> <p>5th November [1] 102/16</p> <p>6</p> <p>6 years [2] 50/24 51/19</p> <p>6,645 [1] 12/18</p> <p>6,960 [1] 10/6</p> <p>60 degrees [1] 96/9</p> <p>65,610 [1] 10/3</p> <p>7</p> <p>72 [1] 78/22</p> <p>75 [1] 12/2</p> <p>77 [1] 29/25</p> <p>79 [1] 50/14</p> <p>8</p> <p>8,940 units [1] 12/22</p> <p>8-year [1] 50/14</p> <p>80 percent [1] 61/8</p> <p>800 [1] 70/3</p> <p>84,310 [1] 13/2</p> <p>86 [1] 88/13</p> <p>9</p> <p>90,000-odd [1] 9/24</p>	<p>A</p> <p>ability [1] 43/10</p> <p>able [18] 1/12 4/22 9/2 14/4 14/5 52/7 56/13 59/18 66/14 80/15 92/20 92/22 93/2 98/10 98/13 100/14 100/15 103/2</p> <p>abnormal [4] 28/14 29/2 29/24 51/1</p> <p>abnormalities [6] 30/1 30/2 31/10 31/21 34/25 36/3</p> <p>abnormality [2] 31/15 51/3</p> <p>about [112]</p> <p>above [1] 75/7</p> <p>absence [2] 41/20 42/17</p> <p>absolutely [11] 21/2 60/25 65/6 74/8 75/19 77/4 78/3 97/24 97/24 99/20 100/24</p> <p>academics [1] 25/15</p> <p>accept [2] 79/14 79/19</p> <p>access [1] 80/1</p> <p>according [1] 2/18</p> <p>accurate [3] 6/4 6/6 43/9</p> <p>accurately [2] 38/4 38/5</p> <p>achieve [1] 48/24</p> <p>Acquired [1] 69/19</p> <p>across [1] 102/15</p> <p>active [9] 40/3 40/10 50/18 50/23 51/18 51/24 51/25 52/3 52/8</p> <p>Actually [1] 45/6</p> <p>acute [3] 42/3 89/8 96/15</p> <p>add [5] 25/10 61/16 61/20 61/21 100/9</p> <p>added [1] 28/16</p> <p>addressed [1] 79/2</p> <p>adds [1] 5/24</p> <p>adjourned [1] 104/17</p> <p>Adjournment [1] 91/15</p> <p>adjust [1] 46/14</p> <p>administration [2] 23/4 24/5</p> <p>adults [1] 15/24</p> <p>advance [4] 77/23 78/1 82/6 82/8</p> <p>advantage [1] 101/10</p> <p>advised [1] 37/15</p> <p>advisory [1] 4/19</p> <p>affect [1] 66/3</p> <p>affected [11] 36/6 49/1 56/24 70/6 73/12</p>	<p>75/9 75/21 76/2 81/2 103/4 103/19</p> <p>affirm [2] 1/25 2/1</p> <p>affirmed [2] 2/3 105/2</p> <p>afraid [8] 26/4 45/5 45/14 53/1 54/12 54/23 57/6 68/12</p> <p>after [18] 2/14 41/3 42/3 57/18 65/3 65/3 69/23 82/13 90/5 90/14 90/16 90/21 90/22 91/10 96/24 97/1 103/17 103/22</p> <p>again [25] 14/12 14/21 15/1 15/8 20/16 32/24 45/10 48/4 52/11 55/17 55/24 56/14 58/11 59/24 65/21 71/5 75/17 81/11 81/25 89/13 93/20 97/14 99/8 99/9 104/8</p> <p>age [3] 62/17 63/7 63/8</p> <p>aged [1] 70/7</p> <p>ages [1] 63/4</p> <p>aggressive [9] 30/5 33/6 33/10 33/12 33/16 33/19 33/20 34/18 51/24</p> <p>ago [1] 4/22</p> <p>agreed [2] 73/15 75/8</p> <p>agreement [1] 100/23</p> <p>Ah [2] 24/2 48/15</p> <p>aid [2] 11/13 44/23</p> <p>aids [14] 63/15 66/11 66/12 66/15 66/18 70/4 70/18 70/20 70/22 71/1 72/20 73/2 74/15 101/7</p> <p>airport [5] 67/17 67/18 68/3 68/5 69/7</p> <p>albeit [1] 104/9</p> <p>all [53] 1/17 2/23 3/3 7/12 7/15 8/8 9/6 11/4 14/23 15/2 16/12 20/22 27/23 31/7 31/16 31/18 32/3 32/4 34/22 35/7 41/8 43/19 45/4 48/10 48/14 49/15 50/5 54/3 64/8 70/7 71/4 71/6 71/10 71/12 74/24 77/18 79/8 83/12 86/17 87/1 88/14 90/6 92/4 93/3 93/5 93/6 93/23 97/9 98/24 100/2 101/4 101/9 103/7</p> <p>allowed [2] 21/19 46/21</p> <p>allows [1] 44/2</p> <p>along [1] 61/11</p>
--	---	--	--	---	--

A	73/1 75/13 76/8 86/10 86/21 87/13 90/13 92/7 97/3 98/23 100/4 anybody [1] 74/8 anyone [2] 44/12 104/1 anything [31] 8/9 8/19 25/9 40/15 40/19 42/25 43/17 44/11 44/13 45/22 54/7 54/10 54/13 54/15 58/3 61/14 61/16 61/17 61/18 61/19 61/20 62/25 63/3 74/2 74/3 85/3 85/8 85/11 93/10 100/9 100/10 Anyway [1] 69/13 Apart [1] 31/9 apologies [1] 47/25 apologise [1] 56/11 apparent [1] 24/18 appear [1] 15/15 appearance [1] 40/9 appearances [1] 40/2 appeared [1] 52/1 appears [1] 8/11 apply [2] 93/18 98/24 appointed [1] 3/7 appointment [1] 78/12 appointments [2] 78/11 78/13 appreciated [2] 25/11 25/15 appreciation [1] 25/21 approach [8] 15/22 20/18 20/20 21/6 24/16 45/3 48/9 48/13 approved [1] 104/15 approximately [1] 40/9 April [6] 23/2 24/4 76/24 77/2 77/3 96/1 April 1984 [6] 23/2 24/4 76/24 77/2 77/3 96/1 arbitrarily [1] 35/17 architectural [1] 42/12 are [49] 1/12 10/2 12/14 14/21 21/20 26/2 26/17 26/19 32/7 32/7 34/21 41/23 50/9 52/14 55/18 57/9 57/15 57/19 58/4 59/12 59/17 62/1 62/20 65/25 66/14 69/3 75/6 83/18 84/10 88/19 89/1 92/4 96/15 96/16 96/25 98/10 98/13 98/17 100/2	100/4 102/4 102/7 102/12 102/13 102/15 103/7 103/16 103/22 104/14 area [1] 25/16 aren't [3] 41/7 91/23 100/6 argument [1] 37/18 ARMO0000282 [1] 83/6 ARMO0000286 [1] 84/14 ARMO0000369 [1] 85/20 Armour [5] 10/4 12/16 14/22 95/24 96/21 Army [4] 2/15 2/24 2/25 3/2 around [1] 3/7 arrangement [3] 20/14 85/9 85/12 arrangements [6] 20/12 77/15 79/15 79/19 81/21 84/24 arrow [1] 91/22 article [14] 29/5 29/9 30/15 32/3 32/3 35/23 36/12 38/10 41/5 53/25 56/2 62/3 62/4 62/8 articles [2] 49/18 62/5 as [58] 2/14 3/3 4/25 5/12 6/2 10/13 10/13 11/23 16/21 16/21 17/14 17/14 17/14 17/14 21/8 21/8 24/10 24/10 25/16 29/22 33/3 33/9 42/20 44/5 44/23 45/5 45/8 50/25 51/1 51/20 51/20 53/9 55/11 55/13 61/4 63/21 63/22 64/1 64/5 64/8 66/5 66/6 70/4 72/21 72/21 73/15 76/11 79/5 81/8 82/17 84/24 94/20 95/7 101/12 102/21 102/25 102/25 103/24 ascribed [1] 42/23 aside [1] 76/2 ask [36] 1/25 2/1 4/11 7/12 8/19 13/22 15/21 20/19 21/12 24/21 29/20 32/6 32/8 32/17 39/19 41/2 48/6 50/12 51/15 57/3 58/11 59/16 59/21 63/10 67/10 71/21 74/15 83/2 86/15 88/17 88/23 88/25 89/2 90/4 97/13 103/13 asked [12] 25/11	25/20 44/12 59/7 60/12 72/8 80/21 92/15 96/3 96/6 96/10 97/16 asking [9] 1/22 2/5 4/21 5/2 47/14 52/14 56/2 76/15 96/25 aspect [1] 21/6 assess [1] 30/1 assessed [2] 31/5 36/3 assist [2] 25/2 82/14 assistance [2] 81/15 100/16 associated [1] 93/24 assume [2] 43/7 43/15 assumed [3] 52/5 52/9 52/12 astonished [1] 91/20 asymptomatic [2] 60/13 96/16 attend [2] 4/7 103/4 attendance [2] 8/16 8/16 attendants [1] 72/21 attendees [1] 72/16 attending [1] 3/22 attention [1] 57/8 audio [1] 46/16 August [1] 84/13 authored [1] 57/4 authors [2] 29/14 50/9 autoimmune [1] 70/17 Autoplex [1] 13/20 available [4] 5/22 17/14 81/23 93/9 away [2] 55/1 97/12	42/23 43/15 43/23 44/4 44/6 44/12 44/21 46/3 47/10 47/13 49/3 49/20 50/21 52/1 52/22 53/2 58/8 65/1 65/11 65/12 65/22 65/22 66/4 66/22 67/12 72/23 73/8 73/13 74/11 75/11 75/25 77/5 77/16 77/24 78/2 82/7 83/4 88/10 90/11 90/18 92/20 92/22 93/2 95/1 98/16 98/17 100/22 102/1 102/1 102/7 102/13 102/15 102/22 102/23 102/25 103/2 103/14 104/8 be for [1] 47/13 became [6] 3/19 4/15 24/18 65/7 81/23 96/24 because [20] 1/16 18/12 18/13 18/13 27/10 29/19 30/14 43/10 44/21 46/22 52/2 57/7 65/6 74/10 75/11 80/1 80/14 89/24 96/14 101/24 become [2] 51/6 104/11 been [33] 1/4 3/24 5/4 6/7 17/18 23/14 25/21 25/24 26/13 35/17 37/19 39/16 41/22 43/9 52/12 54/1 67/20 70/3 70/6 79/23 80/11 100/14 100/14 100/15 100/16 101/1 101/7 101/19 102/10 102/14 102/19 103/12 104/6 before [16] 1/3 1/7 1/24 6/14 9/2 25/24 26/13 45/18 52/5 54/2 56/3 57/5 92/11 92/15 102/7 104/14 began [2] 28/5 28/12 begin [1] 100/13 beginning [1] 34/12 begins [7] 23/2 24/3 34/8 37/1 37/13 57/17 63/20 being [10] 7/25 10/3 12/12 12/15 14/22 42/19 47/16 73/24 84/8 101/11 believe [1] 77/5 believed [1] 33/14 bell [1] 21/1 below [1] 57/21 benefit [1] 36/8 benefits [1] 73/17	benign [7] 34/17 50/25 51/20 52/6 52/10 52/13 52/15 best [3] 43/9 43/16 64/3 better [1] 8/7 between [7] 34/23 51/3 57/13 58/16 84/25 98/11 98/13 beyond [1] 98/5 big [1] 60/3 biochemical [4] 30/7 31/15 34/24 54/4 biopsied [2] 33/22 39/16 biopsies [11] 42/8 50/22 51/12 51/17 99/2 99/3 99/10 99/12 99/16 99/18 99/23 biopsy [15] 29/9 30/2 31/13 31/17 31/22 32/4 32/13 32/23 34/22 35/16 36/4 39/12 39/24 40/2 42/6 biscuits [1] 44/25 Bishop [1] 84/2 bit [8] 13/22 34/15 37/12 45/20 61/2 64/24 66/22 73/11 Blackburn [4] 3/12 3/16 3/22 29/16 blood [17] 21/9 25/25 25/25 26/14 26/14 37/25 41/11 41/20 42/21 54/2 54/2 65/10 66/15 66/18 67/14 70/10 70/10 Bloom [2] 72/17 74/25 book [8] 7/3 7/18 7/18 8/8 8/10 8/13 8/18 8/20 bore [1] 30/6 borne [1] 101/9 both [6] 18/1 50/4 83/17 101/3 101/5 101/18 bottle [1] 34/4 bottom [13] 13/7 15/9 22/5 22/23 22/24 27/20 28/3 32/9 37/12 39/5 53/13 68/17 69/3 Bovine [1] 13/8 Bovine/Porcine [1] 13/8 BPL [3] 19/22 20/4 20/5 BPLL0000956 [1] 87/22 BPLL0001351 [1] 72/6 bracket [1] 62/17 break [17] 41/3 43/23
----------	---	---	---	--	---

<p>B</p> <p>break... [15] 44/1 44/3 44/3 44/9 44/17 45/18 47/10 47/18 47/24 48/2 55/12 55/14 55/22 91/8 91/12</p> <p>Brian [3] 47/20 55/8 100/4</p> <p>briefly [1] 72/17</p> <p>brilliant [1] 83/7</p> <p>broadcast [1] 103/16</p> <p>budgets [1] 84/4</p> <p>bunch [2] 34/3 34/5</p> <p>bundle [1] 83/18</p> <p>but [77] 3/24 5/22 6/1 6/14 6/16 6/18 6/24 7/16 7/23 8/2 8/5 9/2 10/12 10/18 11/24 12/5 13/17 14/24 15/2 15/12 16/24 17/1 17/4 18/7 19/24 21/25 23/10 23/14 24/11 26/21 28/16 30/8 32/3 32/8 33/16 35/9 37/20 39/19 43/20 44/13 47/6 47/11 47/21 52/19 55/10 56/25 60/25 62/5 63/5 65/22 66/4 66/20 70/8 73/20 73/23 77/4 78/15 79/24 80/10 80/14 81/7 81/14 81/20 83/1 86/25 90/2 93/1 98/9 100/15 100/19 101/1 101/9 101/25 102/4 102/13 103/1 103/6</p> <p>button [1] 92/3</p> <p>by [28] 2/4 5/4 5/18 12/10 19/3 25/15 31/6 35/4 36/3 37/24 41/14 45/2 45/11 47/1 48/7 53/15 57/4 62/4 62/8 63/6 63/6 69/3 74/25 75/12 86/8 100/13 103/19 105/3</p>	<p>45/15 46/23 47/3 47/3 52/19 54/17 54/23 56/11 56/23 56/25 57/6 58/3 61/19 63/14 67/25 68/12 71/15 73/23 77/14 82/25 86/23 94/25 95/9 95/9 99/6 99/7 100/10</p> <p>cannot [7] 16/25 19/19 67/3 74/5 85/14 86/12 86/25</p> <p>care [9] 5/18 31/6 80/18 80/23 81/1 81/1 81/2 83/13 83/23</p> <p>career [1] 2/13</p> <p>carried [9] 30/3 36/4 40/23 71/1 97/18 97/21 99/1 99/9 99/12</p> <p>Carry [1] 7/24</p> <p>case [12] 20/23 24/16 41/25 42/15 43/1 43/13 43/16 53/2 70/13 75/14 88/18 91/5</p> <p>cases [11] 54/8 54/11 54/13 54/16 70/7 70/10 70/12 70/12 72/25 96/15 103/12</p> <p>CASTING [1] 22/12</p> <p>caused [2] 28/16 72/20</p> <p>causes [1] 29/1</p> <p>CDC [2] 66/24 67/1</p> <p>centre [46] 3/14 3/20 3/23 4/5 4/8 4/24 5/8 5/14 5/20 6/8 7/14 10/12 10/15 16/10 16/15 16/18 16/23 16/24 19/3 19/23 20/7 23/7 38/25 39/1 67/15 71/2 72/10 72/11 72/23 73/21 73/25 74/6 74/19 74/25 75/3 77/16 79/15 79/19 80/6 80/12 80/19 80/24 81/13 98/2 98/5 98/8</p> <p>centres [13] 6/11 9/10 23/8 23/13 23/23 24/13 24/19 67/23 76/19 76/21 96/23 96/25 97/4</p> <p>certain [4] 49/12 63/23 77/4 83/1</p> <p>certainly [5] 7/18 8/15 23/14 25/15 86/24</p> <p>chain [1] 20/24</p> <p>chaired [1] 4/16</p> <p>chairperson [1] 22/11</p> <p>challenges [1] 101/5</p> <p>change [3] 45/4 48/9 48/13</p>	<p>changed [1] 45/22</p> <p>changes [1] 102/22</p> <p>charge [1] 5/20</p> <p>check [5] 26/17 38/13 45/23 57/22 80/15</p> <p>cheque [2] 84/18 86/2</p> <p>child [2] 70/14 70/17</p> <p>childhood [2] 62/19 62/19</p> <p>children [5] 15/24 16/1 73/12 75/21 76/2</p> <p>Children's [2] 16/1 80/11</p> <p>choice [3] 17/10 38/1 94/1</p> <p>choose [2] 93/16 103/9</p> <p>Chris [1] 84/2</p> <p>Christie [1] 84/16</p> <p>Christmas [3] 9/19 10/21 11/6</p> <p>chronic [53] 4/15 27/2 27/6 29/10 30/4 30/5 30/11 30/17 30/23 33/4 33/6 33/9 33/10 33/12 33/13 33/14 33/15 33/16 33/18 33/19 33/20 34/13 34/16 34/17 34/18 35/20 39/6 39/13 40/3 40/3 40/10 41/12 41/19 41/22 49/4 49/8 50/16 50/18 50/23 50/23 50/24 51/18 51/18 51/20 51/23 51/25 52/2 52/3 52/6 52/8 52/9 52/12 52/15</p> <p>circumspect [2] 73/14 75/25</p> <p>cirrhosis [19] 30/6 32/5 32/19 32/21 32/23 33/1 33/21 34/19 36/6 40/5 40/13 42/12 50/18 50/24 51/19 64/11 64/12 64/12 64/19</p> <p>clear [10] 7/25 13/17 19/2 23/16 35/15 45/5 45/14 55/2 61/9 63/5</p> <p>clearer [1] 55/14</p> <p>clearly [11] 8/11 37/21 46/7 46/17 52/23 54/23 61/5 64/14 72/22 99/6 103/14</p> <p>clinical [11] 30/7 42/18 51/6 77/7 77/8 82/16 96/11 98/11 98/14 98/19 98/22</p> <p>clinically [1] 54/5</p> <p>clinics [1] 5/16</p> <p>close [4] 1/10 45/21</p>	<p>87/4 87/6</p> <p>closely [1] 28/17</p> <p>closer [1] 55/4</p> <p>clotting [5] 28/5 28/12 50/15 66/2 71/20</p> <p>Club [7] 86/16 86/17 86/19 86/22 86/24 87/2 87/3</p> <p>coffee [2] 44/2 45/18</p> <p>cohort [3] 62/16 63/4 63/4</p> <p>collaborative [2] 39/7 40/20</p> <p>colleague [1] 28/18</p> <p>colleagues [2] 61/11 103/13</p> <p>column [3] 32/15 37/1 37/13</p> <p>columns [2] 37/1 37/3</p> <p>Colvin [1] 68/25</p> <p>come [15] 4/11 13/22 14/4 20/2 20/3 86/6 90/5 90/15 90/17 90/21 90/22 90/23 91/9 103/10 104/9</p> <p>coming [2] 19/18 102/14</p> <p>comment [1] 20/19</p> <p>commercial [18] 10/3 10/13 10/19 12/15 14/22 18/1 18/5 18/9 20/9 57/13 58/16 58/19 59/5 59/5 59/11 59/13 93/25 94/25</p> <p>common [6] 30/8 36/2 89/11 89/14 89/16 89/18</p> <p>community [1] 63/23</p> <p>companies [11] 20/13 20/15 87/8 87/12 87/14 87/19 97/17 97/19 97/22 97/25 98/3</p> <p>company [1] 20/10</p> <p>compare [1] 23/7</p> <p>compared [5] 24/19 58/20 59/13 64/15 94/16</p> <p>complete [1] 8/15</p> <p>complications [1] 39/17</p> <p>concentrate [27] 10/23 12/5 13/9 14/18 17/24 18/7 18/22 21/8 23/12 24/12 25/5 30/13 30/21 42/4 53/21 54/3 54/19 56/10 56/18 56/21 59/6 59/9 59/11 65/3 65/3 65/4 65/8</p> <p>concentrated [1] 5/23</p> <p>concentrates [59]</p>	<p>10/3 10/13 10/13 10/18 10/19 12/12 12/15 14/22 15/19 18/1 18/2 18/4 18/5 18/9 18/11 18/25 19/17 19/20 19/22 20/9 23/18 23/23 25/12 25/12 26/9 28/6 28/12 30/24 41/12 41/20 45/4 48/9 48/14 48/21 49/3 50/16 53/18 54/21 56/5 57/25 59/5 65/7 66/2 68/9 71/1 71/20 73/9 73/12 73/16 73/22 74/10 74/11 74/13 75/13 75/22 75/24 76/3 76/4 94/25</p> <p>concept [1] 74/9</p> <p>concern [1] 28/17</p> <p>concerned [1] 96/17</p> <p>conclude [2] 35/18 36/1</p> <p>conclusion [1] 30/15</p> <p>conclusions [3] 35/5 58/8 98/16</p> <p>condition [2] 47/2 48/8</p> <p>confident [2] 18/15 19/25</p> <p>confidential [1] 103/24</p> <p>confirmed [1] 34/8</p> <p>confusion [1] 89/1</p> <p>connected [1] 103/23</p> <p>conscious [1] 103/22</p> <p>consent [3] 31/19 98/20 98/21</p> <p>conservative [1] 24/16</p> <p>consider [1] 66/9</p> <p>considerable [1] 72/20</p> <p>considered [3] 31/14 73/13 75/11</p> <p>consistent [1] 15/12</p> <p>consultant [5] 3/8 4/25 5/20 28/19 28/22</p> <p>consultants [1] 5/19</p> <p>contact [1] 59/6</p> <p>continue [5] 73/14 74/13 75/25 103/15 104/5</p> <p>continued [2] 96/23 97/1</p> <p>continues [2] 35/17 61/4</p> <p>continuing [1] 74/9</p> <p>contract [1] 20/10</p> <p>contracting [1] 66/11</p> <p>contrast [1] 92/23</p> <p>contribute [1] 103/7</p>	<p>contributing [1] 30/10</p> <p>control [2] 16/6 36/4</p> <p>conversant [1] 27/5</p> <p>copy [10] 2/9 6/16 6/18 6/19 8/25 11/12 14/6 22/20 37/5 69/17</p> <p>corner [1] 22/5</p> <p>Corps [4] 2/15 2/24 2/25 3/3</p> <p>correct [36] 2/17 3/6 3/11 4/6 6/12 8/7 9/12 15/20 15/25 17/15 19/1 21/2 21/10 21/11 26/2 26/21 27/3 27/3 27/8 27/13 28/24 30/18 33/23 38/7 43/18 51/23 52/5 64/20 65/19 76/7 77/5 77/6 77/12 77/21 77/22 89/10</p> <p>correctly [1] 40/8</p> <p>could [36] 7/16 9/6 17/8 17/14 22/3 24/15 25/1 25/2 25/12 25/25 26/1 26/14 26/15 27/16 33/8 35/1 35/8 36/25 44/6 48/11 49/5 50/21 52/7 54/9 55/24 63/11 65/22 68/1 70/2 78/9 79/17 81/14 83/16 85/5 85/7 92/19</p> <p>couldn't [10] 24/1 35/5 35/6 35/7 35/9 35/9 47/5 79/22 80/14 82/19</p> <p>couple [2] 70/16 83/2</p> <p>course [13] 10/15 16/14 17/9 17/20 21/20 27/22 45/11 49/6 59/12 63/2 83/10 84/23 103/15</p> <p>cover [2] 30/4 42/6</p> <p>covered [5] 5/21 6/2 6/2 7/6 20/11</p> <p>criteria [1] 93/18</p> <p>cryoprecipitate [16] 7/9 9/24 10/12 10/16 12/2 14/16 15/16 15/18 20/6 20/8 48/20 48/25 75/24 76/8 76/12 76/15</p> <p>current [2] 1/9 69/24</p> <p>currently [1] 50/3</p> <p>CV [2] 2/18 4/18</p>
<p>C</p>					<p>D</p>
<p>calculate [1] 65/9</p> <p>call [2] 81/14 82/14</p> <p>called [10] 29/9 37/16 50/6 53/4 53/16 56/4 60/13 66/23 86/16 86/17</p> <p>calling [1] 100/18</p> <p>came [7] 3/2 7/20 20/2 20/3 27/17 78/6 78/6</p> <p>can [143]</p> <p>can't [36] 7/15 7/16 8/9 9/3 11/14 17/1 24/10 26/4 40/24</p>	<p>centres [13] 6/11 9/10 23/8 23/13 23/23 24/13 24/19 67/23 76/19 76/21 96/23 96/25 97/4</p> <p>certain [4] 49/12 63/23 77/4 83/1</p> <p>certainly [5] 7/18 8/15 23/14 25/15 86/24</p> <p>chain [1] 20/24</p> <p>chaired [1] 4/16</p> <p>chairperson [1] 22/11</p> <p>challenges [1] 101/5</p> <p>change [3] 45/4 48/9 48/13</p>	<p>clear [10] 7/25 13/17 19/2 23/16 35/15 45/5 45/14 55/2 61/9 63/5</p> <p>clearer [1] 55/14</p> <p>clearly [11] 8/11 37/21 46/7 46/17 52/23 54/23 61/5 64/14 72/22 99/6 103/14</p> <p>clinical [11] 30/7 42/18 51/6 77/7 77/8 82/16 96/11 98/11 98/14 98/19 98/22</p> <p>clinically [1] 54/5</p> <p>clinics [1] 5/16</p> <p>close [4] 1/10 45/21</p>	<p>complete [1] 8/15</p> <p>complications [1] 39/17</p> <p>concentrate [27] 10/23 12/5 13/9 14/18 17/24 18/7 18/22 21/8 23/12 24/12 25/5 30/13 30/21 42/4 53/21 54/3 54/19 56/10 56/18 56/21 59/6 59/9 59/11 65/3 65/3 65/4 65/8</p> <p>concentrated [1] 5/23</p> <p>concentrates [59]</p>	<p>consultant [5] 3/8 4/25 5/20 28/19 28/22</p> <p>consultants [1] 5/19</p> <p>contact [1] 59/6</p> <p>continue [5] 73/14 74/13 75/25 103/15 104/5</p> <p>continued [2] 96/23 97/1</p> <p>continues [2] 35/17 61/4</p> <p>continuing [1] 74/9</p> <p>contract [1] 20/10</p> <p>contracting [1] 66/11</p> <p>contrast [1] 92/23</p> <p>contribute [1] 103/7</p>	<p>data [3] 32/12 41/23 79/8</p> <p>date [3] 38/9 73/23 74/20</p> <p>dated [5] 83/23 84/17 85/21 88/7 88/13</p>

<p>D</p> <p>dates [1] 77/14</p> <p>DDAVP [17] 13/19 13/22 15/9 17/7 17/10 17/13 17/22 18/21 36/9 37/16 42/6 42/9 56/10 56/19 56/22 56/25 75/11</p> <p>deal [2] 25/18 26/11</p> <p>dear [3] 27/19 84/1 84/16</p> <p>death [1] 39/18</p> <p>December [3] 38/21 39/2 70/3</p> <p>decide [3] 18/4 20/11 93/21</p> <p>decided [1] 83/12</p> <p>deciding [1] 93/18</p> <p>decisions [1] 16/4</p> <p>dedicated [1] 5/25</p> <p>definitely [1] 37/22</p> <p>degree [2] 31/15 51/3</p> <p>degrees [1] 96/9</p> <p>delay [2] 81/6 104/3</p> <p>deliberate [1] 24/20</p> <p>delighted [1] 100/24</p> <p>delivering [1] 102/20</p> <p>delta [1] 61/7</p> <p>demonstrated [1] 30/5</p> <p>department [8] 17/4 37/24 72/13 72/22 78/9 81/9 81/13 81/19</p> <p>Department's [1] 81/15</p> <p>departments [3] 87/4 87/4 87/6</p> <p>depends [1] 18/20</p> <p>derived [1] 58/21</p> <p>described [2] 33/3 42/8</p> <p>describes [2] 7/8 53/20</p> <p>describing [1] 23/17</p> <p>description [4] 5/4 5/10 6/4 31/2</p> <p>descriptions [2] 32/17 32/18</p> <p>despite [1] 101/4</p> <p>detail [9] 7/1 40/7 43/19 43/21 74/3 74/5 84/22 86/25 87/1</p> <p>details [4] 27/1 35/9 35/10 42/5</p> <p>detected [1] 42/16</p> <p>develop [3] 89/12 89/14 89/17</p> <p>developed [4] 2/19 2/21 36/8 70/17</p> <p>development [2] 30/10 30/12</p>	<p>Dewar [1] 53/16</p> <p>diagnosis [2] 7/7 100/1</p> <p>Diana [1] 72/12</p> <p>did [81] 2/20 2/23 3/16 13/14 13/15 16/14 16/21 18/4 19/13 19/17 20/2 20/2 20/6 20/11 24/16 24/24 33/16 33/17 35/14 45/3 48/8 48/13 48/17 48/20 49/2 49/6 49/9 49/12 49/15 49/17 52/19 55/13 56/25 59/9 59/11 66/22 66/25 67/1 67/4 67/6 70/25 71/8 71/10 71/11 74/7 76/10 76/11 76/17 76/18 76/20 77/23 78/1 78/4 78/11 78/11 78/16 79/15 79/19 81/25 82/2 82/3 82/14 85/5 86/8 86/10 87/8 87/10 87/12 89/19 89/20 91/18 93/18 93/21 94/20 97/5 97/7 97/25 98/3 98/7 98/19 98/21</p> <p>didn't [15] 24/18 27/10 28/15 30/22 35/14 41/8 41/9 62/18 76/7 80/2 85/6 98/4 98/9 98/9 99/7</p> <p>die [1] 74/12</p> <p>died [1] 70/7</p> <p>difference [6] 33/8 46/12 55/5 64/15 98/10 98/13</p> <p>differences [4] 57/12 57/18 58/15 62/14</p> <p>different [18] 10/2 14/21 20/24 21/9 27/6 34/23 48/18 61/5 62/17 63/7 63/8 66/10 87/20 93/3 93/23 94/24 94/24 98/16</p> <p>differentiate [2] 34/23 35/2</p> <p>directly [1] 19/22</p> <p>director [9] 3/13 3/20 3/23 3/25 4/4 4/8 5/19 11/23 16/22</p> <p>directors [15] 16/10 16/15 38/25 67/15 72/10 72/11 72/23 73/10 73/21 73/25 74/6 74/25 75/3 75/14 75/23</p> <p>disagreed [1] 74/8</p> <p>disciplines [1] 27/11</p> <p>disconnect [1] 55/15</p> <p>discuss [9] 16/15 44/10 49/17 71/18 71/19 72/23 73/2 84/21 87/18</p> <p>discussed [5] 43/13 43/20 49/14 69/23 71/3</p> <p>discussing [3] 16/11 44/7 61/16</p> <p>discussion [4] 34/7 46/16 70/21 70/23</p> <p>discussions [4] 73/21 73/24 74/3 84/25</p> <p>disease [44] 4/15 9/19 10/22 11/6 18/17 27/2 27/7 27/11 28/20 29/10 30/5 30/10 30/11 30/17 30/24 31/5 34/13 34/17 34/24 35/6 35/8 35/20 36/1 39/13 40/23 41/12 41/19 41/23 42/2 42/17 42/19 42/23 49/4 49/8 50/6 50/17 51/5 51/5 54/20 56/9 60/13 64/1 75/10 85/15</p> <p>Diseases [2] 81/13 81/14</p> <p>disorder [3] 37/23 45/3 45/13</p> <p>distancing [1] 104/10</p> <p>distinguish [3] 89/24 92/18 93/3</p> <p>distinguishing [1] 62/23</p> <p>distorted [5] 46/8 46/9 46/10 46/12 46/13</p> <p>disturbance [1] 42/12</p> <p>disturbing [1] 42/15</p> <p>do [85] 1/9 1/14 1/16 2/2 2/2 3/19 3/24 6/14 8/1 11/17 15/12 16/9 16/18 19/4 19/9 19/16 19/21 20/1 21/19 22/9 23/10 24/17 32/19 34/13 35/14 38/9 39/7 39/25 44/21 49/10 52/9 52/12 52/14 52/14 52/16 53/3 55/13 56/11 56/17 56/20 56/24 57/5 58/24 59/25 60/5 61/14 61/16 61/17 61/17 61/20 66/5 66/6 68/19 69/7 69/9 69/10 70/20 70/22 73/1 73/23 73/24 74/3 78/11 79/14 79/18 82/2 82/16 82/25 86/8 86/10 86/16 86/18 86/21 86/23 90/19</p>	<p>90/21 90/22 90/25 91/18 96/23 97/1 101/12 103/13 104/2 104/3</p> <p>doctor [3] 2/14 81/8 92/25</p> <p>Doctors [1] 39/11</p> <p>document [46] 6/15 6/19 6/21 7/2 7/12 7/16 9/1 11/16 21/15 25/1 29/6 36/21 38/15 38/18 38/24 41/2 41/4 41/4 49/20 52/21 52/22 55/25 59/23 67/9 67/10 67/12 67/20 67/22 67/22 71/21 71/23 72/4 74/14 74/16 78/16 78/18 78/25 79/14 79/18 83/4 87/20 87/21 94/3 94/6 95/7 97/13</p> <p>document 24 [1] 87/21</p> <p>documentation [1] 83/12</p> <p>documents [12] 2/7 2/7 2/9 6/14 11/5 18/24 21/16 29/7 50/5 59/24 86/14 86/15</p> <p>does [11] 6/4 10/24 21/1 26/2 26/18 32/22 32/25 55/5 71/25 72/2 81/16</p> <p>does it [1] 10/24</p> <p>doesn't [2] 85/18 93/1</p> <p>doing [7] 2/2 48/18 83/7 87/23 93/4 93/22 100/25</p> <p>don't [64] 1/15 1/16 1/21 2/2 4/2 4/2 4/3 6/16 6/18 6/19 7/1 8/19 9/3 11/18 16/17 22/4 24/2 25/17 26/11 26/23 28/1 36/23 39/19 41/1 43/4 43/5 43/17 44/10 45/21 46/3 46/18 47/11 49/9 50/4 52/17 52/17 52/18 66/4 67/19 69/11 69/13 73/10 73/19 74/8 76/22 76/22 78/21 80/13 82/8 85/17 85/19 85/25 86/13 87/1 92/7 93/8 93/10 93/12 95/2 97/3 97/3 97/13 98/19 100/10</p> <p>donations [1] 21/9</p> <p>done [6] 41/8 42/6 42/8 72/24 87/24 100/25</p>	<p>donor [4] 57/14 58/19 58/19 58/25</p> <p>donors [4] 18/14 58/21 59/12 70/12</p> <p>down [22] 11/23 12/14 13/7 13/19 16/6 22/22 22/25 24/3 31/1 31/2 34/11 37/12 39/5 42/9 57/17 60/11 60/14 60/22 62/7 69/18 75/5 95/22</p> <p>Dr [47] 5/21 5/22 8/24 16/2 28/18 28/23 28/25 29/1 29/15 29/15 40/15 41/14 41/15 50/9 50/10 53/15 53/16 53/16 53/16 68/10 68/23 68/24 68/24 68/24 68/25 68/25 69/1 69/4 69/12 69/13 69/24 72/12 75/1 81/8 81/8 81/9 82/11 82/14 84/1 84/16 84/22 84/25 88/12 88/20 88/20 88/24 89/6</p> <p>Dr Christie [1] 84/16</p> <p>Dr Colvin [1] 68/25</p> <p>Dr Dewar [1] 53/16</p> <p>Dr Diana [1] 72/12</p> <p>Dr Eibl [1] 69/4</p> <p>Dr Greaves [2] 5/22 53/16</p> <p>Dr Hamilton [1] 68/24</p> <p>Dr Hay [1] 53/15</p> <p>Dr John Lilleyman [1] 16/2</p> <p>Dr Kernoff [1] 40/15</p> <p>Dr Kraske [1] 69/24</p> <p>Dr Lane [3] 88/20 88/24 89/6</p> <p>Dr Ludlum [1] 68/25</p> <p>Dr Mike [1] 5/21</p> <p>Dr Mortimer [1] 88/20</p> <p>Dr Preston [2] 69/1 84/1</p> <p>Dr Rizza [3] 8/24 68/24 75/1</p> <p>Dr Townsend [1] 84/22</p> <p>Dr Triger [10] 28/18 28/25 29/15 41/14 50/9 53/16 81/8 81/8 82/14 84/25</p> <p>Dr Triger's [2] 81/9 82/11</p> <p>Dr Underwood [5] 28/23 29/1 29/15 41/15 50/10</p> <p>Dr Winfield [2] 69/12 69/13</p> <p>draw [2] 35/5 57/8</p>	<p>drawn [2] 58/9 98/17</p> <p>dried [1] 75/24</p> <p>dry [3] 53/21 54/18 96/5</p> <p>dry-heated [2] 53/21 54/18</p> <p>during [8] 9/14 9/20 9/23 11/24 14/12 31/9 62/19 65/6</p>	<p>E</p> <p>each [6] 31/18 65/10 65/12 84/7 84/7 103/17</p> <p>ear [1] 44/24</p> <p>earlier [5] 34/9 45/7 76/19 76/21 102/5</p> <p>early [7] 15/22 19/4 26/25 62/19 77/7 77/9 82/16</p> <p>eased [1] 104/7</p> <p>easier [5] 22/20 37/4 44/22 69/17 83/13</p> <p>easy [1] 60/8</p> <p>eggs [1] 20/22</p> <p>Eibl [2] 68/10 69/4</p> <p>eight [7] 30/3 31/12 31/18 31/20 32/4 37/3 80/10</p> <p>eighth [1] 38/24</p> <p>either [2] 32/5 47/5</p> <p>elaborate [1] 92/19</p> <p>else [5] 1/20 16/19 44/13 47/16 61/14</p> <p>Elstree [1] 19/22</p> <p>enable [1] 84/10</p> <p>encloses [1] 86/2</p> <p>end [4] 45/20 90/2 92/5 101/15</p> <p>engagement [1] 103/21</p> <p>England [4] 64/9 67/4 67/6 102/16</p> <p>enormous [1] 65/12</p> <p>enough [3] 19/21 40/18 45/21</p> <p>enrolled [1] 95/25</p> <p>ensure [1] 104/2</p> <p>entirely [4] 40/5 66/21 69/17 100/22</p> <p>entity [1] 5/15</p> <p>enzymes [2] 28/15 29/2</p> <p>equipment [1] 84/11</p> <p>equivalent [1] 65/9</p> <p>ERIC [3] 2/3 37/14 105/2</p> <p>esophageal [1] 50/19</p> <p>essential [2] 84/11 103/14</p> <p>established [4] 12/11 19/2 34/19 41/23</p>
--	--	--	---	--	--

(31) dates - established

<p>E</p> <p>Evans [1] 68/24</p> <p>even [2] 41/20 74/12</p> <p>events [1] 4/21</p> <p>ever [2] 23/18 102/10</p> <p>every [6] 8/13 27/19 44/1 44/9 83/16 100/20</p> <p>everyone [5] 1/20 47/25 74/7 91/25 103/23</p> <p>evidence [34] 6/9 17/12 21/13 24/11 24/22 26/8 27/15 30/9 35/8 40/4 42/19 42/22 43/14 43/16 44/7 44/10 44/11 50/16 50/19 59/17 59/22 62/2 63/10 64/17 66/1 73/15 80/16 91/10 95/5 101/11 101/25 102/24 103/1 103/9</p> <p>evolving [1] 42/12</p> <p>exact [2] 73/23 77/14</p> <p>Examined [2] 2/4 105/3</p> <p>example [1] 64/3</p> <p>Excelsior [1] 69/6</p> <p>except [1] 1/21</p> <p>excluded [1] 50/22</p> <p>excuse [2] 67/9 68/22</p> <p>existed [1] 5/14</p> <p>expect [1] 102/11</p> <p>expected [1] 102/15</p> <p>experience [6] 39/12 53/21 86/5 93/1 101/8 103/19</p> <p>experienced [1] 65/18</p> <p>expert [1] 37/15</p> <p>explain [2] 8/1 35/1</p> <p>explained [1] 31/17</p> <p>expose [1] 49/7</p> <p>exposing [1] 49/3</p> <p>exposure [1] 21/9</p> <p>extent [1] 76/8</p>	<p>49/2 50/15 53/17 53/21 54/3 54/21 56/5 56/9 56/18 56/21 57/25 65/22 66/2 66/4 68/8 68/9 70/8 71/1 71/20 73/9</p> <p>Factor 8 [1] 37/2</p> <p>Factor IX [6] 10/22 11/7 15/13 18/24 23/11 68/9</p> <p>Factor VIII [28] 9/17 9/25 10/4 12/16 12/22 13/2 13/9 13/14 14/18 14/23 15/4 15/8 17/24 23/11 30/4 31/8 35/19 36/7 42/4 48/25 53/17 53/21 54/3 56/5 57/25 68/8 70/8 73/9</p> <p>factor-concentrate [1] 30/13</p> <p>Factorate [3] 86/6 86/9 86/11</p> <p>factors [1] 93/25</p> <p>fair [4] 40/18 43/7 43/14 102/25</p> <p>fairly [1] 64/10</p> <p>falling [1] 11/13</p> <p>families [1] 71/12</p> <p>family [3] 78/15 79/15 79/20</p> <p>far [4] 16/21 59/19 91/12 103/23</p> <p>Farnsworth [2] 79/3 79/4</p> <p>fault [2] 57/7 92/3</p> <p>features [2] 42/13 42/16</p> <p>FEIBA [1] 13/18</p> <p>fellow [1] 73/21</p> <p>few [6] 2/12 4/11 62/6 85/1 90/11 92/10</p> <p>fifth [1] 36/25</p> <p>figure [2] 10/25 13/11</p> <p>figures [4] 12/5 80/14 80/16 94/14</p> <p>final [4] 13/25 63/9 74/14 93/20</p> <p>find [14] 2/9 9/2 9/3 14/5 24/1 25/2 27/16 34/12 63/11 68/12 69/16 83/16 88/6 103/20</p> <p>finding [1] 61/24</p> <p>findings [2] 30/8 34/21</p> <p>fine [4] 11/16 40/25 52/20 57/2</p> <p>finish [2] 90/14 91/9</p> <p>firm [1] 58/8</p> <p>first [29] 3/3 7/15 9/6 25/14 25/18 26/9 27/14 27/20 27/24</p>	<p>28/5 28/12 32/19 39/22 49/19 53/20 56/7 58/4 61/15 66/14 66/17 68/1 68/10 72/15 83/22 84/7 95/25 95/25 98/23 102/18</p> <p>five [6] 31/12 47/21 47/24 70/7 80/7 95/22</p> <p>Fleetbank [3] 103/4 103/10 103/14</p> <p>flowers [2] 34/3 34/5</p> <p>followed [1] 73/8</p> <p>following [5] 1/5 75/8 84/4 102/10 103/12</p> <p>follows [2] 29/22 61/4</p> <p>footnote [1] 57/19</p> <p>footnote 2 [1] 57/19</p> <p>force [1] 102/15</p> <p>forgot [1] 81/19</p> <p>form [4] 2/8 8/25 9/9 40/10</p> <p>forms [1] 34/24</p> <p>forty [2] 29/23 31/7</p> <p>forty-seven [2] 29/23 31/7</p> <p>forward [2] 6/24 21/18</p> <p>found [2] 34/16 68/21</p> <p>four [3] 9/17 80/8 95/22</p> <p>FRANCIS [2] 2/3 105/2</p> <p>free [8] 30/3 31/16 34/22 39/7 39/18 40/21 97/19 97/22</p> <p>freeze [1] 75/24</p> <p>freeze-dried [1] 75/24</p> <p>frequency [5] 23/4 23/7 23/10 24/5 31/5</p> <p>frequently [1] 96/16</p> <p>from [69] 2/6 2/18 3/16 4/19 5/6 8/22 9/13 11/4 15/18 17/25 18/24 19/22 19/23 20/2 20/3 20/7 26/7 29/18 31/9 32/7 36/8 37/16 50/22 51/17 52/21 57/15 58/21 58/25 59/3 59/5 60/12 61/9 63/10 63/19 66/15 66/18 66/24 67/1 68/10 68/11 70/4 70/19 72/12 81/9 81/18 83/17 83/23 85/4 85/22 86/2 87/7 87/8 87/10 87/11 87/13 88/7 88/17 89/6 89/24 92/19 92/25 93/22 96/18 97/17 101/14 102/11 102/16 102/24 103/1</p> <p>front [6] 21/22 27/23</p>	<p>78/25 83/24 89/5 95/18</p> <p>full [2] 8/15 31/17</p> <p>fully [2] 27/5 56/11</p> <p>function [6] 29/24 31/6 31/11 35/5 54/4 66/3</p> <p>Fund [1] 84/19</p> <p>funded [2] 86/8 98/1</p> <p>funding [5] 85/3 85/9 85/12 87/7 97/16</p> <p>further [14] 4/11 8/19 31/2 41/2 42/21 42/25 43/17 57/1 74/2 84/2 84/24 85/3 85/17 87/20</p> <p>future [1] 51/7</p>	<p>god [3] 44/23 91/18 93/13</p> <p>goes [3] 7/3 22/1 22/8</p> <p>going [44] 1/24 2/5 2/9 2/12 4/21 6/16 6/20 8/21 15/21 20/16 20/18 22/22 24/21 25/8 29/18 32/2 36/16 36/19 38/15 41/2 48/4 55/4 55/14 55/15 59/16 59/21 66/9 67/10 71/21 72/4 77/24 78/2 79/25 82/7 83/2 83/11 86/15 88/25 89/2 89/23 90/4 98/17 101/24 102/3</p> <p>gone [3] 22/14 54/25 55/2</p> <p>good [17] 27/17 34/1 34/2 38/17 41/7 42/22 43/23 45/1 45/8 59/20 78/25 87/23 94/24 98/17 100/20 101/4 101/9</p> <p>goodnight [1] 102/3</p> <p>gosh [2] 5/1 8/1</p> <p>got [61] 2/7 7/5 9/4 9/8 9/22 12/5 13/19 14/3 14/7 14/9 14/9 14/12 14/13 19/22 21/21 21/23 22/1 22/2 22/7 22/18 23/1 25/1 25/4 29/11 29/12 32/1 34/1 34/6 34/14 37/3 38/22 39/2 46/14 49/25 50/2 50/4 58/24 61/2 61/25 62/1 62/11 63/13 72/4 74/23 76/11 78/4 78/16 78/25 79/24 85/24 87/25 88/8 88/11 88/12 88/21 89/5 91/22 92/10 93/2 95/18 95/20</p> <p>grant [1] 84/8</p> <p>granulomas [1] 33/4</p> <p>graph [1] 57/21</p> <p>grateful [1] 84/19</p> <p>great [14] 9/5 11/21 14/11 25/17 26/11 28/10 32/2 34/15 38/23 76/8 83/25 95/21 100/16 101/10</p> <p>greater [3] 64/13 64/14 84/22</p> <p>greatly [1] 96/17</p> <p>Greaves [3] 5/21 5/22 53/16</p> <p>grounds [1] 34/24</p> <p>group [4] 16/10 63/7 64/1 64/6</p> <p>groups [3] 63/8 64/16</p>	<p>79/6</p>
					<p>H</p> <p>had [44] 6/7 7/7 8/14 10/12 16/6 28/14 31/7 31/21 33/14 33/15 35/17 39/16 40/2 40/4 40/6 40/9 41/9 42/3 42/20 49/16 50/15 50/17 50/18 52/12 54/1 54/3 56/3 59/6 65/18 70/3 70/8 70/14 72/20 74/12 77/19 79/23 80/1 80/10 84/21 86/24 96/13 98/23 98/23 101/5</p> <p>hadn't [1] 78/15</p> <p>haematologist [1] 3/1</p> <p>haematologists [4] 26/25 27/5 27/10 87/5</p> <p>haematology [10] 2/19 2/22 2/23 3/4 3/8 5/13 5/16 5/19 5/23 6/1</p> <p>haemolytic [1] 70/17</p> <p>haemophilia [43] 4/4 4/18 4/24 5/14 5/20 5/21 6/1 7/7 9/10 9/20 11/6 14/13 15/12 15/18 16/10 16/15 17/6 17/9 17/16 17/20 18/23 31/7 37/14 37/16 38/25 39/1 40/24 50/7 50/15 63/23 67/15 68/9 71/2 72/10 72/23 74/19 74/25 75/9 80/7 80/8 80/8 81/12 89/21</p> <p>haemophilia A [9] 14/13 15/18 17/6 17/9 17/16 17/20 75/9 80/7 80/8</p> <p>haemophilia B [5] 9/20 11/6 15/12 18/23 80/8</p> <p>haemophilic [4] 9/14 36/2 65/8 65/17</p> <p>haemophiliacs [21] 28/13 29/10 29/23 35/19 36/6 39/14 50/25 51/6 53/22 54/19 56/8 60/14 64/8 64/13 64/15 64/19 65/25 70/6 72/20 73/13 79/7</p> <p>Haemostasis [8] 84/18 86/16 86/17 86/19 86/22 86/24 87/2 87/3</p> <p>half [12] 15/17 22/23 22/24 27/20 28/3 42/17 43/24 44/3</p>

H	56/13 57/6 59/18 59/19 63/14 82/19 91/17 91/19 91/20 95/9 99/6 100/15 101/14 heard [2] 66/20 81/24 hearing [11] 11/13 44/23 45/5 54/12 55/17 63/15 101/7 102/23 103/1 104/4 104/17 hearing-aids [1] 101/7 hearings [6] 102/11 102/21 103/15 103/17 103/19 104/9 heat [19] 53/17 56/4 56/9 56/18 56/21 57/25 59/9 59/11 76/18 76/20 76/24 77/1 77/7 77/9 86/5 86/9 86/11 96/3 96/20 heat-treated [18] 53/17 56/4 56/9 56/18 56/21 57/25 59/9 59/11 76/18 76/20 76/24 77/1 77/7 77/9 86/5 86/9 86/11 96/20 heated [4] 53/21 54/18 96/5 96/6 Heathrow [1] 69/7 heavily [1] 37/1 heavy [2] 65/2 65/17 held [2] 5/16 39/1 help [4] 5/9 24/2 46/5 88/6 helpful [2] 83/20 101/19 helping [2] 85/23 101/12 Hemofil [3] 10/7 12/22 15/1 Henry [34] 6/23 9/6 11/10 14/2 21/14 28/8 29/8 36/24 36/25 38/20 41/6 49/21 49/25 52/25 53/14 55/24 58/6 60/2 67/13 68/1 68/15 69/16 70/2 71/24 72/3 74/18 78/19 83/6 84/14 85/20 87/22 88/22 94/7 95/8 hepatitis [84] 4/13 24/22 26/1 26/15 30/6 30/8 32/5 33/4 33/6 33/10 33/11 33/12 33/13 33/15 33/17 33/17 33/18 33/19 33/21 34/18 34/19 36/14 37/19 38/20 38/25 39/6 40/3 40/4	40/10 40/11 41/21 42/3 42/20 42/22 45/2 45/12 47/2 48/8 48/17 49/15 49/16 50/18 50/20 50/23 50/23 50/25 51/18 51/19 51/20 51/24 51/25 52/2 52/3 52/6 52/8 52/10 52/13 53/17 56/4 57/24 59/10 61/6 61/8 61/11 63/24 64/19 65/16 68/8 75/12 81/22 81/22 82/1 82/4 82/7 82/10 82/13 82/18 82/21 82/24 89/25 92/19 93/15 96/14 96/15 Hepatitis B [4] 30/8 61/6 61/8 61/11 hepatitis C [13] 63/24 64/19 65/16 81/22 81/22 82/1 82/4 82/7 82/10 82/13 82/18 82/21 82/24 Hepatitis-reduced [1] 68/8 hepatologist [1] 28/18 hepatologists [1] 82/11 her [2] 84/23 100/15 here [23] 1/20 6/16 7/25 11/11 11/22 24/7 25/7 34/1 38/17 44/1 46/6 47/11 47/14 47/15 47/19 47/25 54/14 61/16 72/5 85/23 94/15 102/4 102/13 high [4] 30/11 30/16 30/23 41/18 higher [2] 64/18 84/10 highlight [1] 28/8 him [2] 21/4 56/15 hindsight [1] 49/10 his [10] 5/9 20/17 21/2 42/22 44/7 61/10 63/4 70/13 80/4 82/14 histological [4] 36/1 40/2 42/19 50/19 histology [1] 32/16 histopathologist [2] 28/19 28/23 history [3] 27/6 30/7 93/22 hitherto [2] 51/1 51/21 HIV [16] 66/11 71/19 77/17 77/18 77/24 78/2 79/23 80/6 80/19 80/24 81/4 81/5 81/7 81/12 81/18 85/16	Hold [1] 69/20 holding [1] 71/2 home [16] 12/8 12/11 12/20 12/25 13/5 14/19 14/24 15/2 15/5 19/2 19/6 19/10 19/13 19/16 27/18 102/11 hope [8] 71/23 74/16 83/5 86/6 88/5 95/19 104/7 104/12 hoped [1] 98/9 hoping [2] 62/5 86/1 hospital [16] 3/10 7/21 12/18 12/23 13/3 13/11 14/18 14/23 15/1 15/5 16/2 19/18 39/18 40/21 80/11 98/24 hospitals [1] 12/6 hosting [1] 103/16 Hotel [1] 69/6 hour [5] 43/24 44/4 90/12 90/18 91/10 hours [1] 96/9 House [3] 103/5 103/10 103/14 Housekeeping [2] 101/20 105/4 how [20] 8/1 18/4 23/7 31/3 35/16 46/7 46/24 66/14 78/4 79/23 80/18 80/23 80/25 81/1 81/1 89/11 89/14 89/16 91/18 93/21 however [3] 76/7 102/22 103/10 HSOC0009730 [1] 36/24 HTLV [1] 79/5 HTLV-III [1] 79/5 humour [2] 101/4 101/9 husband [1] 83/18 Hyland [2] 12/22 15/1	86/23 94/25 95/9 99/6 99/7 100/10 I cannot [6] 16/25 19/19 67/3 74/5 85/14 86/25 I compared [1] 24/19 I couldn't [3] 24/1 47/5 82/19 I decided [1] 83/12 I developed [1] 2/21 I did [3] 49/9 52/19 71/11 I didn't [7] 24/18 30/22 41/8 41/9 85/6 98/4 99/7 I do [5] 6/14 56/11 73/23 73/24 86/23 I don't [30] 2/2 4/3 8/19 11/18 16/17 22/4 24/2 25/17 28/1 39/19 41/1 43/5 45/21 47/11 49/9 50/4 52/17 52/17 67/19 69/11 74/8 76/22 78/21 80/13 82/8 93/10 97/3 97/3 97/13 100/10 I expect [1] 102/11 I explain [1] 8/1 I forgot [1] 81/19 I got [2] 9/8 76/11 I had [2] 41/9 84/21 I have [9] 6/24 21/18 44/9 61/21 69/9 80/22 83/24 94/22 100/3 I haven't [1] 14/3 I heard [1] 81/24 I hope [7] 71/23 74/16 83/5 88/5 95/19 104/7 104/12 I interrupted [1] 57/8 I just [8] 26/17 32/2 32/5 32/17 50/12 51/15 57/8 83/9 I know [4] 19/24 52/14 52/14 96/25 I may [1] 47/19 I mean [1] 101/2 I necessarily [1] 43/5 I need [3] 1/14 34/3 46/11 I note [3] 43/22 89/22 90/1 I only [2] 53/1 91/22 I perhaps [1] 49/13 I pick [1] 39/22 I promised [1] 102/5 I read [1] 5/3 I reading [1] 27/25 I recall [1] 63/5 I receive [1] 87/10 I recognise [1] 102/9 I refer [1] 2/8	I remember [4] 37/21 40/19 71/2 86/18 I said [1] 77/11 I say [1] 63/1 I see [1] 23/6 I shan't [1] 1/16 I should [1] 87/24 I tell [1] 45/16 I think [48] 2/8 3/7 3/12 4/14 6/7 6/17 8/25 11/4 14/9 15/23 17/22 18/6 18/20 18/23 19/24 20/2 23/25 25/15 38/3 38/11 42/8 46/15 56/23 57/20 60/20 61/9 62/14 63/13 63/21 65/1 65/21 66/20 69/6 71/9 76/11 77/4 77/18 79/3 81/24 88/8 89/21 90/20 92/24 93/22 94/7 100/19 100/22 101/8 I thought [3] 53/11 94/23 94/23 I try [1] 72/3 I understand [2] 2/1 2/14 I understood [1] 40/8 I want [6] 21/12 21/24 32/8 57/3 63/10 74/15 I wanted [2] 7/12 94/3 I was [11] 2/25 2/25 8/7 28/17 48/6 83/11 88/25 89/2 89/23 90/4 92/24 I will [4] 47/14 84/23 84/24 102/23 I wish [3] 46/10 93/6 103/6 I won't [3] 1/19 15/11 101/1 I wonder [1] 43/22 I wondered [2] 8/12 24/15 I would [1] 59/4 I wouldn't [1] 90/12 I'd [5] 46/10 91/3 92/15 93/6 101/10 I'll [19] 1/8 1/20 2/6 4/11 5/9 13/22 26/5 26/23 31/3 34/15 38/13 44/14 46/17 46/24 48/6 61/23 66/22 85/18 99/9 I'm [73] 2/5 4/21 5/1 6/15 6/20 7/25 8/21 9/1 15/21 19/24 20/16 20/18 21/2 22/22 23/10 23/14 23/25 24/21 25/8 26/4 26/5 29/18 30/22 32/2
----------	---	---	--	---	--

<p>I</p> <p>I'm... [49] 36/16 36/19 38/11 41/2 41/7 44/23 45/5 45/5 45/14 46/1 46/6 49/12 53/1 54/12 54/12 54/23 55/4 57/6 59/16 60/19 62/5 63/15 63/17 66/9 66/20 67/10 68/12 68/13 69/11 69/12 71/21 77/4 78/22 79/25 81/6 83/1 83/2 85/24 86/1 86/14 88/23 89/1 91/20 93/3 95/16 99/5 100/24 102/3 102/12</p> <p>I've [35] 9/4 14/9 14/9 21/21 21/23 22/1 22/7 22/14 23/1 24/9 25/4 26/7 29/12 32/1 34/1 34/6 34/14 37/3 38/12 44/23 62/1 63/13 68/21 74/23 78/25 81/17 87/25 88/8 88/11 88/12 89/5 90/1 92/10 95/18 100/18</p> <p>idea [2] 94/22 94/24</p> <p>identified [2] 32/15 40/13</p> <p>identify [2] 92/20 92/22</p> <p>if [92] 4/2 4/22 5/3 8/9 8/12 9/3 11/24 12/14 14/4 14/15 17/23 18/21 22/2 22/5 22/23 24/15 25/9 27/15 27/16 31/1 31/24 33/24 34/7 34/11 37/4 37/17 39/5 39/19 39/22 40/8 43/7 43/20 45/24 46/17 46/23 47/19 47/19 47/20 48/16 49/14 49/16 53/3 53/13 55/13 55/15 55/17 56/14 59/22 60/17 61/23 62/6 63/18 64/24 67/24 68/4 69/15 69/15 70/1 70/1 72/15 73/4 73/6 74/10 75/4 77/11 78/23 81/15 82/16 82/20 82/25 83/22 85/18 85/18 85/25 87/21 88/5 88/6 88/18 88/21 90/4 90/6 90/10 90/20 90/22 92/24 94/14 96/23 96/25 97/1 101/25 102/25 103/20</p> <p>II [1] 32/12</p> <p>III [1] 79/5</p>	<p>ill [3] 96/13 96/17 96/24</p> <p>immense [1] 73/17</p> <p>immune [1] 66/3</p> <p>Immuno [7] 13/2 15/4 67/16 68/5 68/11 69/3 94/15</p> <p>Immunodeficiency [1] 69/19</p> <p>implicated [1] 41/22</p> <p>implication [1] 70/9</p> <p>importance [1] 30/1</p> <p>important [11] 29/19 35/20 36/12 42/15 81/20 89/23 89/24 92/18 92/20 92/22 102/21</p> <p>imported [4] 37/2 73/16 75/22 76/3</p> <p>impossible [3] 34/23 35/2 48/24</p> <p>improve [1] 45/24</p> <p>inactivate [1] 37/25</p> <p>incapacitated [1] 74/12</p> <p>incidence [4] 30/11 30/17 30/23 41/19</p> <p>include [1] 29/15</p> <p>included [2] 70/11 81/7</p> <p>includes [2] 39/3 44/12</p> <p>including [5] 30/5 34/17 39/17 42/5 69/2</p> <p>increase [3] 68/18 94/15 94/19</p> <p>increased [1] 75/12</p> <p>increasing [1] 51/6</p> <p>indicative [1] 104/4</p> <p>indices [1] 54/4</p> <p>individual [6] 21/7 49/17 54/8 54/10 54/13 54/16</p> <p>individuals [2] 54/1 64/3</p> <p>infected [15] 62/19 62/20 64/3 64/5 64/6 64/8 64/15 64/19 65/8 65/25 79/23 80/6 80/11 103/4 103/18</p> <p>infection [7] 26/12 42/13 63/24 89/8 89/19 89/20 103/8</p> <p>infectious [3] 25/13 81/13 81/14</p> <p>Infarmacy [2] 3/5 3/9</p> <p>influence [1] 50/21</p> <p>inform [1] 78/9</p> <p>information [7] 49/10 58/25 59/2 59/4 59/7 79/24 80/1</p> <p>informed [1] 98/25</p>	<p>infused [1] 65/11</p> <p>infusion [2] 42/21 42/24</p> <p>inhibitors [2] 13/15 13/16</p> <p>inhibitory [1] 66/3</p> <p>initial [2] 42/21 84/9</p> <p>initially [4] 17/22 18/20 25/17 26/8</p> <p>Inquiry [10] 27/9 36/12 38/3 77/12 101/12 102/17 102/19 103/23 104/3 104/8</p> <p>Inquiry's [6] 1/5 102/6 102/10 102/20 103/24 104/9</p> <p>inside [1] 8/1</p> <p>insist [3] 98/1 98/3 98/7</p> <p>insisted [1] 20/22</p> <p>instead [1] 48/20</p> <p>insufficient [2] 18/8 73/15</p> <p>intelligent [1] 31/14</p> <p>interest [5] 2/19 2/20 2/21 28/19 40/23</p> <p>interested [1] 69/12</p> <p>interferon [3] 82/17 82/21 82/23</p> <p>interrupted [1] 57/8</p> <p>into [4] 15/17 55/4 102/15 104/4</p> <p>introduced [2] 23/19 25/19</p> <p>investigate [1] 29/1</p> <p>investigating [1] 103/7</p> <p>investigation [1] 39/13</p> <p>invisible [1] 100/14</p> <p>invited [4] 71/4 71/7 71/12 78/8</p> <p>involved [10] 73/24 77/6 77/8 81/18 82/16 82/20 82/23 82/25 93/2 95/24</p> <p>involvement [2] 97/3 101/15</p> <p>involving [2] 70/10 99/10</p> <p>Ireland [1] 6/10</p> <p>isn't [2] 93/6 95/13</p> <p>it'll [1] 102/1</p> <p>it's [105] 6/21 6/23 7/2 7/5 8/10 8/11 9/24 10/3 11/4 11/10 11/13 11/15 13/17 14/4 14/23 15/23 19/2 22/15 22/24 24/2 24/7 25/24 26/13 27/17 27/20 27/23 28/1 28/3 28/4 29/8 29/9 37/1</p>	<p>37/8 37/12 38/11 38/11 38/17 38/20 38/20 38/24 39/2 41/5 41/14 44/8 45/7 45/16 45/17 45/17 45/17 45/19 46/8 46/9 49/21 52/25 53/3 53/10 53/15 53/16 55/11 56/3 57/7 57/17 57/21 57/23 59/23 60/2 60/8 61/5 61/7 61/9 63/21 64/10 67/13 67/16 68/14 68/21 69/2 69/17 71/23 71/24 74/16 74/16 78/18 78/22 79/2 83/6 83/22 84/14 85/20 87/22 88/22 91/1 92/3 93/6 94/7 94/8 95/8 95/12 95/15 95/17 100/15 101/1 101/7 101/23 102/8</p> <p>Italy [1] 61/7</p> <p>its [1] 72/18</p> <p>itself [1] 96/14</p> <p>IX [6] 10/22 11/7 15/13 18/24 23/11 68/9</p> <p>J</p> <p>James [1] 28/24</p> <p>January [3] 67/17 67/23 68/6</p> <p>January '83 [1] 67/23</p> <p>job [1] 87/23</p> <p>John [1] 16/2</p> <p>joined [2] 3/14 5/8</p> <p>joint [1] 39/11</p> <p>jokes [2] 92/8 92/9</p> <p>Journal [3] 64/9 67/4 67/6</p> <p>journalists [1] 103/11</p> <p>Joy [1] 79/3</p> <p>July [6] 5/12 53/5 53/7 58/1 83/23 84/17</p> <p>July 1987 [1] 5/12</p> <p>July 27th [3] 53/5 53/7 58/1</p> <p>July 29th [1] 84/17</p> <p>June [4] 49/24 74/17 74/22 84/3</p> <p>junior [1] 5/25</p> <p>juniors [1] 6/1</p> <p>jurisdiction [1] 64/5</p> <p>just [72] 1/3 2/12 6/15 7/16 10/14 11/11 11/25 13/16 13/25 19/18 20/25 24/3 24/8 24/18 25/8 26/7 26/17 27/21 29/18 30/14 30/22 31/3 32/2 32/5 32/17 33/24 34/15</p>	<p>35/1 35/22 40/7 43/10 44/24 46/18 47/21 49/18 49/22 50/2 50/12 51/15 57/5 57/8 57/18 57/21 60/18 63/1 72/4 72/7 75/4 78/17 79/17 79/25 80/15 80/21 81/17 83/9 83/13 84/12 85/23 85/25 87/2 88/8 88/23 91/20 91/24 92/2 92/5 92/10 92/24 94/14 99/4 101/10 102/25</p> <p>K</p> <p>keep [2] 84/23 104/13</p> <p>keeping [1] 103/2</p> <p>kept [4] 8/13 8/15 21/7 29/2</p> <p>Kernoff [2] 39/11 40/15</p> <p>kind [2] 8/13 101/19</p> <p>knew [8] 45/12 47/1 48/7 48/16 51/23 97/9 97/10 97/11</p> <p>know [38] 6/20 19/24 23/11 24/2 28/1 28/15 41/8 46/19 47/11 52/9 52/12 52/14 52/14 52/17 52/17 52/19 56/24 62/17 64/8 66/4 67/25 68/6 69/5 73/19 76/22 76/22 78/21 90/20 93/10 95/2 96/23 96/25 97/1 97/3 97/3 97/5 97/7 101/2</p> <p>knowledge [2] 1/10 66/10</p> <p>known [5] 25/24 26/13 31/13 61/6 70/20</p> <p>Kraske [1] 69/24</p> <p>Kryobulin [7] 7/10 10/9 13/2 15/4 94/14 94/16 94/20</p> <p>L</p> <p>Lancet [11] 29/5 29/13 41/5 41/10 49/19 49/24 52/21 53/5 56/3 57/23 57/25</p> <p>landmark [1] 36/13</p> <p>Lane [5] 88/12 88/13 88/20 88/24 89/6</p> <p>large [2] 35/18 75/13</p> <p>largely [1] 102/12</p> <p>larger [1] 6/11</p> <p>last [17] 21/25 28/4 30/15 33/25 35/22 42/14 48/11 52/20 55/13 55/16 57/10</p>	<p>57/11 58/13 68/16 70/1 73/6 84/6</p> <p>late [1] 64/6</p> <p>later [4] 4/12 13/23 44/12 62/20</p> <p>Latest [1] 79/8</p> <p>laughing [1] 99/5</p> <p>laughs [3] 46/4 94/23 100/18</p> <p>Laura [1] 46/7</p> <p>leading [1] 37/14</p> <p>lean [2] 6/24 21/18</p> <p>learn [2] 66/14 66/17</p> <p>least [3] 23/14 31/8 50/17</p> <p>Leave [1] 76/2</p> <p>led [2] 42/22 69/3</p> <p>legal [4] 6/17 90/2 103/8 103/11</p> <p>lesions [1] 75/10</p> <p>less [5] 23/12 24/12 24/20 33/18 55/2</p> <p>let [3] 46/18 67/25 92/24</p> <p>letter [31] 41/10 41/14 53/15 57/23 57/23 59/8 74/17 74/24 83/16 83/22 83/23 84/2 84/12 84/17 85/17 85/21 86/1 88/1 88/5 88/7 88/9 88/11 88/12 88/17 88/18 88/19 88/21 88/24 88/25 89/3 89/6</p> <p>letters [5] 83/3 85/9 88/2 88/10 89/1</p> <p>leukaemia [1] 6/3</p> <p>levels [2] 48/24 51/4</p> <p>life [1] 62/20</p> <p>light [3] 1/9 45/4 79/14</p> <p>like [11] 5/8 7/18 9/15 43/7 44/14 45/17 62/10 100/9 101/10 103/18 103/20</p> <p>likelihood [1] 41/24</p> <p>likely [1] 43/9</p> <p>likewise [1] 103/13</p> <p>Lilleyman [1] 16/2</p> <p>limiting [1] 34/17</p> <p>LIND0000323 [3] 21/14 60/2 95/8</p> <p>Lindsay [28] 6/8 17/13 21/13 23/21 24/23 26/22 26/25 27/4 27/15 43/5 43/6 43/8 43/14 43/15 43/20 59/17 59/22 59/25 62/3 63/10 63/11 64/18 76/23 76/25 77/10 77/11 95/5 95/6</p>
--	--	--	--	--	--

<p>L</p> <p>Lindsay Tribunal [22] 6/8 17/13 21/13 23/21 24/23 26/22 26/25 27/4 27/15 43/5 43/6 43/8 43/14 43/15 43/20 59/17 59/22 59/25 62/3 76/23 76/25 95/5</p> <p>line [5] 55/12 55/14 57/10 68/10 72/15</p> <p>lines [6] 28/4 61/11 62/6 63/19 70/16 95/22</p> <p>list [6] 9/22 39/2 68/16 68/20 68/23 72/15</p> <p>listening [1] 6/20</p> <p>Lister [1] 7/9</p> <p>little [5] 4/23 22/6 31/1 40/7 57/18</p> <p>live [1] 103/16</p> <p>liver [54] 4/15 27/2 27/6 27/11 28/15 28/20 29/2 29/9 29/10 29/24 30/2 30/4 30/6 30/10 30/11 30/17 30/23 31/5 31/6 31/11 31/13 31/21 32/13 32/16 34/13 34/16 34/24 35/5 35/6 35/8 35/20 36/1 39/12 39/13 39/24 40/23 41/12 41/19 41/22 42/6 42/17 42/23 49/4 49/8 50/6 50/17 50/22 51/5 51/5 51/17 54/4 60/13 64/1 85/15</p> <p>liver-function [1] 29/24</p> <p>living [1] 87/24</p> <p>load [3] 65/2 65/12 65/17</p> <p>local [4] 16/9 16/22 87/4 93/24</p> <p>locally [2] 20/3 20/6</p> <p>locate [2] 11/12 87/21</p> <p>located [1] 8/5</p> <p>London [4] 67/17 68/3 68/5 69/6</p> <p>long [9] 4/22 17/2 21/8 25/24 25/24 26/13 26/13 42/10 81/6</p> <p>look [39] 6/13 8/18 9/8 11/9 11/25 12/14 13/7 14/1 14/15 22/3 22/5 22/19 24/7 26/23 37/5 40/7 43/19 49/18 53/3 63/18 67/11 68/4 69/15 71/21 72/15</p>	<p>74/15 75/4 78/17 78/23 83/2 83/22 84/13 85/25 86/15 88/18 88/21 94/14 95/4 103/22</p> <p>looked [2] 75/4 94/3</p> <p>looked at [2] 75/4 94/3</p> <p>looking [10] 8/8 35/4 57/20 57/22 61/1 62/6 69/11 82/13 83/18 93/23</p> <p>looks [1] 9/15</p> <p>lost [2] 78/24 100/18</p> <p>lot [3] 10/11 10/16 95/1</p> <p>loud [1] 23/25</p> <p>love [2] 24/7 104/12</p> <p>low [1] 96/8</p> <p>lower [2] 23/15 55/2</p> <p>lucky [1] 91/23</p> <p>Ludlum [1] 68/25</p> <p>lunch [9] 69/23 90/5 90/14 90/14 90/17 90/21 90/22 92/11 92/15</p> <p>Luncheon [1] 91/15</p> <p>M</p> <p>made [9] 20/14 44/24 59/6 60/23 77/15 79/22 81/21 84/3 84/18</p> <p>main [3] 34/8 87/19 91/25</p> <p>mainly [1] 50/20</p> <p>major [2] 61/6 63/13</p> <p>majority [2] 23/13 23/15</p> <p>make [11] 1/8 19/13 20/12 23/16 45/20 55/5 79/15 79/19 84/24 92/7 102/18</p> <p>makes [1] 80/10</p> <p>making [1] 80/2</p> <p>Makris [6] 5/5 20/17 20/19 80/1 80/4 80/15</p> <p>Makris's [3] 77/19 79/24 81/11</p> <p>male [1] 42/2</p> <p>man [3] 27/19 70/13 100/20</p> <p>managed [1] 81/12</p> <p>management [1] 72/25</p> <p>Mannucci [6] 57/4 60/13 61/10 62/4 62/8 63/7</p> <p>Mannucci's [7] 60/23 61/1 61/15 61/18 62/15 62/23 62/24</p> <p>many [20] 4/14 5/5</p>	<p>21/4 27/4 28/14 59/12 64/6 64/7 64/14 64/14 65/10 65/10 73/9 75/14 75/23 79/23 90/12 102/11 102/18 103/12</p> <p>March [3] 41/11 85/21 86/2</p> <p>March 1982 [1] 41/11</p> <p>March 1985 [1] 86/2</p> <p>March 26th [1] 85/21</p> <p>markers [1] 30/8</p> <p>Mary [1] 2/1</p> <p>mask [4] 1/14 1/20 1/21 44/21</p> <p>material [6] 9/23 18/8 58/20 59/3 59/13 59/14</p> <p>materials [1] 13/19</p> <p>matters [1] 103/6</p> <p>may [19] 1/4 24/10 36/8 47/17 47/19 57/13 58/18 65/1 65/22 66/3 67/24 69/16 72/10 75/7 79/4 79/9 90/11 95/1 103/9</p> <p>May 13th [1] 75/7</p> <p>May 1986 [2] 79/4 79/9</p> <p>me [37] 1/12 1/17 11/19 21/18 27/18 41/9 44/19 46/3 46/7 46/18 47/6 47/15 50/2 55/9 59/18 59/21 62/10 67/9 67/25 68/22 78/24 79/1 80/21 83/14 83/24 85/23 88/23 89/5 90/10 91/17 91/19 92/24 94/11 95/14 95/15 95/18 101/23</p> <p>mean [3] 59/25 101/2 102/17</p> <p>means [2] 35/1 75/12</p> <p>meant [1] 28/15</p> <p>measures [1] 104/10</p> <p>medical [6] 2/15 2/24 2/25 3/2 4/19 72/21</p> <p>Medicine [3] 64/9 67/5 67/7</p> <p>meet [2] 16/14 104/15</p> <p>meeting [27] 38/24 67/14 67/16 68/3 68/5 68/15 69/5 69/8 69/10 69/14 71/2 71/4 71/6 71/9 71/13 71/17 71/18 72/1 72/9 72/18 73/2 73/20 75/3 75/7 86/19 86/23 103/17</p> <p>meetings [8] 3/23 4/8 4/9 16/22 86/21 86/24 87/4 87/5</p>	<p>member [2] 4/7 16/24</p> <p>members [4] 78/15 79/16 79/20 103/3</p> <p>memory [4] 21/3 69/7 69/10 85/18</p> <p>mention [1] 81/19</p> <p>mentioned [2] 19/20 75/7</p> <p>met [2] 74/7 84/22</p> <p>Micronodular [2] 32/19 32/21</p> <p>microphone [3] 45/21 55/5 55/8</p> <p>mid [3] 23/19 27/1 28/13</p> <p>mid-70s [2] 23/19 28/13</p> <p>mid-1970s [1] 27/1</p> <p>middle [2] 44/10 51/16</p> <p>might [12] 3/24 5/3 6/17 14/5 22/2 23/14 27/10 44/12 44/21 49/3 49/7 53/2</p> <p>Mike [1] 5/21</p> <p>mild [8] 17/6 17/9 37/16 53/22 54/19 54/21 56/8 80/7</p> <p>mildly [6] 36/6 56/24 73/12 75/9 75/21 76/2</p> <p>millions [1] 65/10</p> <p>mind [3] 2/2 22/13 74/7</p> <p>minimise [1] 21/9</p> <p>minister's [1] 1/6</p> <p>minor [1] 75/10</p> <p>minute [17] 21/23 27/21 31/25 37/7 44/24 47/9 47/18 47/24 52/14 60/18 61/3 69/20 76/9 77/25 82/22 85/13 88/8</p> <p>minutes [6] 38/21 38/24 47/21 67/14 71/25 72/9</p> <p>MMWR [1] 66/23</p> <p>moderate [3] 17/16 17/20 80/7</p> <p>moment [7] 6/13 43/23 45/8 45/23 50/2 91/24 102/4</p> <p>Monday [1] 1/1</p> <p>money [1] 87/11</p> <p>month [2] 70/14 77/1</p> <p>months [2] 31/9 31/11</p> <p>months' [1] 85/1</p> <p>Morbidity [1] 66/23</p> <p>more [32] 13/15 13/22 19/17 26/5 33/12 40/7 40/10 40/15 40/19 40/24 45/7 52/23 59/12 61/18 61/21</p>	<p>63/3 64/2 65/16 66/22 74/6 85/8 85/11 88/14 90/11 90/13 92/10 98/2 98/4 98/5 98/8 102/9 103/20</p> <p>morning [8] 1/3 1/11 44/1 90/15 90/18 94/4 97/16 102/5</p> <p>mortality [2] 66/24 70/5</p> <p>Mortimer [1] 88/20</p> <p>most [2] 40/5 96/15</p> <p>mothers [1] 79/12</p> <p>move [3] 38/15 57/3 66/9</p> <p>moved [2] 3/9 15/17</p> <p>Mrs [40] 9/5 14/5 21/15 22/3 24/2 25/2 27/15 29/6 36/21 38/18 41/4 44/5 47/4 52/22 53/2 54/24 56/13 59/23 59/24 60/19 61/24 63/2 63/11 67/12 67/21 71/23 72/4 74/16 76/14 78/18 83/4 83/20 87/21 88/6 90/8 94/6 94/10 95/6 95/11 100/13</p> <p>Mrs Preston [40] 9/5 14/5 21/15 22/3 24/2 25/2 27/15 29/6 36/21 38/18 41/4 44/5 47/4 52/22 53/2 54/24 56/13 59/23 59/24 60/19 61/24 63/2 63/11 67/12 67/21 71/23 72/4 74/16 76/14 78/18 83/4 83/20 87/21 88/6 90/8 94/6 94/10 95/6 95/11 100/13</p> <p>Ms [5] 1/22 2/4 8/23 102/23 105/3</p> <p>Ms Richards [4] 1/22 2/4 102/23 105/3</p> <p>Ms Spooner [1] 8/23</p> <p>much [19] 1/17 1/20 7/1 8/7 9/5 10/6 11/6 23/12 23/15 33/12 45/7 56/16 62/25 91/12 93/1 100/7 100/25 101/8 101/18</p> <p>multiple [2] 65/23 66/1</p> <p>must [3] 47/10 103/7 103/22</p> <p>my [19] 11/13 23/20 24/19 38/17 44/23 47/24 49/22 50/3 57/7 63/15 64/10 67/22 67/22 83/18 90/2 92/3</p>	<p>99/5 100/18 100/22</p> <p>myself [1] 84/25</p> <p>N</p> <p>name [3] 5/13 28/22 72/12</p> <p>named [1] 69/1</p> <p>names [5] 7/5 7/6 69/2 69/11 69/12</p> <p>NANB [3] 57/13 58/16 92/23</p> <p>natural [1] 27/6</p> <p>nature [3] 7/6 31/17 36/2</p> <p>nearly [1] 90/1</p> <p>necessarily [1] 43/5</p> <p>need [15] 1/14 8/19 26/23 34/3 39/19 43/5 43/20 46/11 72/22 73/10 90/3 90/20 90/24 97/13 101/14</p> <p>needed [3] 81/15 95/1 101/25</p> <p>needing [1] 102/1</p> <p>needs [2] 27/19 100/20</p> <p>negative [2] 78/7 79/8</p> <p>never [1] 48/22</p> <p>new [8] 39/22 64/9 67/4 67/6 70/13 95/12 103/2 104/5</p> <p>New York [1] 70/13</p> <p>newly [1] 36/8</p> <p>newspaper [2] 36/20 38/5</p> <p>next [12] 21/12 23/16 34/8 39/20 41/4 62/10 64/24 65/20 78/12 86/7 95/4 97/12</p> <p>NHS [25] 9/25 10/13 10/18 10/22 11/7 12/5 12/12 14/18 15/13 18/1 18/4 18/7 18/11 18/24 19/20 19/22 57/13 58/16 58/20 59/3 59/9 59/13 73/12 75/23 76/4</p> <p>NHS concentrates [1] 12/12</p> <p>NHS material [1] 59/3</p> <p>nice [1] 44/25</p> <p>no [65] 2/21 2/25 3/21 5/25 13/16 16/24 19/8 19/24 30/6 40/17 41/1 41/23 42/20 43/3 47/5 48/15 48/19 48/22 51/2 52/17 54/17 54/17 54/25 55/6 55/7 56/23 58/8 58/10 61/19 63/5 66/20 67/16 67/19 69/11 69/13 70/9 70/24</p>
---	---	--	--	---	---

<p>N</p> <p>no... [28] 71/15 71/24 73/3 74/5 76/17 82/8 85/14 85/24 86/12 88/11 88/14 89/18 90/24 91/2 92/3 92/9 93/6 93/13 94/22 97/10 97/24 98/9 98/9 99/20 99/20 100/6 100/10 100/11</p> <p>non [39] 37/23 37/23 41/21 41/21 42/3 42/13 42/13 42/20 42/20 45/2 45/2 45/12 45/12 47/1 47/1 48/7 48/8 48/17 48/17 49/14 49/14 49/16 49/16 50/20 50/20 53/17 53/17 56/4 56/4 57/24 57/24 61/12 61/12 89/25 89/25 92/19 92/19 96/15 96/15</p> <p>non-A [19] 37/23 41/21 42/13 42/20 45/2 45/12 47/1 48/7 48/17 49/14 49/16 50/20 53/17 56/4 57/24 61/12 89/25 92/19 96/15</p> <p>non-B [20] 37/23 41/21 42/3 42/13 42/20 45/2 45/12 47/1 48/8 48/17 49/14 49/16 50/20 53/17 56/4 57/24 61/12 89/25 92/19 96/15</p> <p>None [2] 54/1 80/8</p> <p>normal [2] 54/4 66/3</p> <p>not [68] 5/1 7/23 7/25 8/2 8/5 9/1 13/17 14/23 15/1 15/24 19/24 20/2 20/2 20/22 23/10 23/14 23/25 27/5 30/9 31/16 32/2 33/16 44/7 45/5 45/8 45/14 47/19 49/12 49/12 50/21 50/25 51/20 54/12 54/25 56/25 59/10 60/8 62/21 63/15 64/12 65/1 66/21 67/22 71/24 71/25 74/10 76/11 76/17 77/4 82/8 83/1 83/1 86/14 89/18 90/12 91/25 93/3 93/24 95/14 95/15 98/17 98/17 99/20 100/14 101/23 103/2 103/7 104/3</p> <p>note [4] 43/22 80/5</p>	<p>89/22 90/1</p> <p>noted [2] 31/11 73/9</p> <p>notes [2] 67/16 68/5</p> <p>noteworthy [2] 36/5 61/7</p> <p>nothing [1] 61/21</p> <p>noticeable [1] 28/14</p> <p>November [7] 1/1 38/12 88/7 88/13 89/9 102/16 104/17</p> <p>November 1986 [1] 89/9</p> <p>now [40] 1/24 2/1 4/21 7/12 8/21 16/4 19/2 24/9 24/10 24/22 27/14 32/7 36/11 38/3 38/15 41/23 42/25 43/17 44/3 51/9 53/10 54/7 54/10 54/17 54/23 57/15 58/24 60/20 62/17 62/17 63/17 67/9 73/10 79/18 83/19 87/7 91/8 91/13 92/13 101/23</p> <p>nowadays [1] 26/19</p> <p>number [26] 1/4 2/16 9/1 9/13 9/17 9/19 10/6 14/12 20/24 21/15 21/17 22/6 22/9 29/6 32/17 36/11 38/19 51/10 51/13 59/23 68/21 94/24 99/2 99/10 99/12 99/13</p> <p>number 1 [2] 21/15 59/23</p> <p>number 2 [1] 9/1</p> <p>number 4 [1] 29/6</p> <p>number 6 [1] 38/19</p> <p>numbered [1] 75/6</p> <p>numbers [5] 7/10 11/23 15/13 22/3 58/20</p> <p>numbers 1500-3,000 [1] 58/20</p>	<p>obviously [1] 12/10</p> <p>occasion [3] 31/9 42/11 59/10</p> <p>occasional [1] 36/7</p> <p>occurred [1] 39/18</p> <p>odd [1] 9/24</p> <p>oesophageal [2] 40/6 40/14</p> <p>off [2] 44/21 46/16</p> <p>Oh [34] 10/24 11/13 11/16 21/5 21/21 22/7 22/16 23/6 24/9 25/24 26/19 27/19 44/23 59/2 60/25 67/18 68/21 71/18 74/8 75/19 77/11 78/3 78/21 78/22 85/13 87/3 87/18 91/18 92/14 94/22 95/16 97/9 97/24 99/20</p> <p>okay [66] 2/10 2/11 4/2 6/22 8/3 8/10 8/18 11/18 15/14 17/3 17/5 20/1 20/9 20/16 22/2 22/21 24/9 24/21 24/25 26/22 29/21 32/10 33/20 35/11 41/1 43/4 45/25 47/22 47/23 47/24 49/18 52/20 54/18 54/24 55/19 57/2 58/11 59/18 60/10 61/22 63/17 66/16 68/15 68/22 69/20 73/5 76/23 77/13 77/15 78/25 79/2 80/17 81/10 86/13 87/25 88/1 88/16 89/4 91/11 92/13 92/14 93/12 95/3 97/5 97/15 100/12</p> <p>old [2] 42/2 70/14</p> <p>once [3] 81/22 104/7 104/8</p> <p>one [51] 6/10 6/15 13/25 14/14 20/22 20/25 21/25 31/8 32/19 37/8 37/8 37/9 37/10 38/16 40/6 40/14 41/2 47/13 56/3 60/3 63/9 63/15 65/15 67/9 67/10 67/19 70/9 70/12 70/12 72/5 74/14 76/9 77/25 78/22 80/7 82/22 85/13 85/17 87/20 88/8 88/11 89/3 89/5 89/8 91/23 94/3 95/1 99/7 99/9 100/17 101/7</p> <p>ones [1] 93/25</p> <p>online [3] 102/12</p>	<p>102/24 103/17</p> <p>only [12] 13/15 15/23 30/9 36/3 36/7 43/10 53/1 58/22 64/10 88/11 91/22 99/5</p> <p>onwards [1] 5/6</p> <p>Ooh [2] 85/14 86/12</p> <p>open [1] 104/1</p> <p>opportunity [2] 84/21 90/3</p> <p>opposed [1] 94/20</p> <p>option [1] 47/13</p> <p>or [60] 2/20 7/6 7/7 7/9 7/9 7/18 13/15 14/5 16/5 16/19 18/21 19/23 20/11 22/20 23/11 25/2 26/1 26/15 28/15 30/7 32/5 34/4 36/11 37/5 37/25 41/24 44/2 44/11 46/12 48/7 51/24 52/16 54/2 62/19 65/20 69/16 70/9 73/11 74/12 75/10 75/22 75/24 77/11 78/7 78/11 81/8 81/8 82/17 82/20 85/15 86/19 87/8 87/12 88/1 88/20 90/5 90/14 90/17 95/22 99/4</p> <p>organised [5] 80/20 80/24 81/3 81/6 82/10</p> <p>organising [1] 82/9</p> <p>other [32] 13/18 13/19 16/10 16/14 23/8 23/13 23/23 24/13 24/19 49/18 50/21 64/2 64/16 69/1 70/10 73/17 73/25 76/19 76/21 87/7 87/8 87/11 87/12 93/25 96/23 96/25 97/4 99/21 99/22 99/24 103/10 103/18</p> <p>others [4] 29/16 56/25 64/20 101/13</p> <p>otherwise [2] 5/22 103/6</p> <p>our [22] 8/21 17/4 20/14 27/9 31/6 34/22 45/20 45/23 53/14 62/15 62/16 78/8 79/6 84/3 92/5 95/25 95/25 97/9 101/5 101/10 102/21 102/24</p> <p>ours [1] 62/21</p> <p>ourselves [2] 8/18 20/8</p> <p>out [25] 3/2 7/6 11/14 22/22 23/25 26/7 30/3 31/4 32/3 36/4 38/4 44/23 47/10 47/19</p>	<p>66/5 66/6 80/16 85/23 92/5 97/18 97/21 99/1 99/9 99/12 103/20</p> <p>outlined [1] 72/17</p> <p>over [14] 1/6 3/16 3/25 16/7 24/3 31/11 31/24 37/17 42/17 51/10 84/9 91/3 91/4 99/1</p> <p>overseen [1] 5/18</p> <p>overspeaking [4] 25/5 35/12 85/23 88/22</p> <p>own [2] 20/14 101/6</p> <p>Oxford [6] 8/23 8/23 8/24 17/25 39/1 74/19</p>	<p>34/8 34/11 35/17 35/22 37/17 39/22 42/10 42/14 53/20 56/7 57/10 57/10 57/16 58/5 58/7 58/14 68/2 73/6 75/20 80/5 86/3</p> <p>paragraph 2 [1] 75/20</p> <p>paragraph 43.1 [1] 80/5</p> <p>paragraphs [2] 70/1 75/6</p> <p>Parliament [2] 1/7 102/7</p> <p>part [7] 4/13 4/18 8/5 16/9 48/11 67/25 94/6</p> <p>participants [1] 104/8</p> <p>participate [1] 96/23</p> <p>participating [2] 97/6 97/8</p> <p>particular [11] 41/25 43/1 46/18 63/23 64/11 70/9 73/20 74/1 87/19 93/8 103/3</p> <p>particularly [1] 96/17</p> <p>partners [3] 79/6 79/15 79/20</p> <p>Party [4] 4/14 4/15 38/21 38/25</p> <p>parvovirus [13] 88/3 89/2 89/8 89/12 89/15 89/17 92/15 92/17 92/18 92/21 92/23 93/9 93/11</p> <p>passage [1] 63/9</p> <p>passages [1] 29/18</p> <p>past [2] 94/2 101/13</p> <p>pathology [1] 30/6</p> <p>patient [21] 23/12 23/23 24/12 31/18 32/22 32/25 33/1 33/3 33/6 40/6 42/20 53/22 54/19 54/22 56/8 77/20 82/3 95/1 95/25 96/1 99/12</p> <p>patient 1 [1] 33/1</p> <p>patients [140]</p> <p>patients' [1] 8/16</p> <p>pause [2] 47/21 91/24</p> <p>pausing [3] 30/14 62/22 64/17</p> <p>pay [2] 37/19 46/11</p> <p>payable [1] 84/18</p> <p>payments [3] 84/4 84/9 84/10</p> <p>penultimate [2] 22/16 57/10</p> <p>people [16] 6/20 52/16 59/3 62/21 62/21 68/20 68/23 70/3 81/18 96/16 102/10 102/18 103/3</p>
---	--	---	--	--	---

<p>P</p> <p>people... [3] 103/7 103/17 103/18</p> <p>per [4] 23/12 23/12 23/23 24/12</p> <p>per annum [1] 23/12</p> <p>percent [1] 61/8</p> <p>percutaneous [3] 29/9 30/2 42/6</p> <p>perfectly [1] 35/15</p> <p>perhaps [4] 5/9 36/8 49/13 90/12</p> <p>period [7] 16/25 17/1 65/6 69/23 84/9 84/10 96/8</p> <p>persist [1] 30/1</p> <p>persisted [1] 28/16</p> <p>persistence [1] 52/15</p> <p>persistent [16] 31/10 31/21 33/4 33/10 33/13 33/15 33/18 40/4 50/23 50/25 51/18 51/20 52/2 52/6 52/10 52/13</p> <p>person [4] 65/2 103/4 103/10 104/9</p> <p>pharmaceutical [11] 20/10 20/12 20/14 87/9 87/12 87/14 97/17 97/18 97/22 97/25 98/3</p> <p>physical [2] 5/15 51/1</p> <p>physically [1] 8/5</p> <p>pick [2] 39/22 62/6</p> <p>piece [3] 29/19 52/20 60/21</p> <p>pig's [1] 44/24</p> <p>place [3] 51/9 69/5 102/16</p> <p>plain [2] 100/15 100/20</p> <p>plainly [1] 45/20</p> <p>plan [1] 91/21</p> <p>platelets [1] 70/11</p> <p>please [45] 7/17 10/14 16/13 17/8 17/19 19/11 22/24 27/16 28/8 31/24 32/24 39/20 44/4 45/10 48/12 49/5 49/21 52/11 53/14 54/9 58/7 58/12 60/1 60/6 60/17 61/23 63/12 67/13 69/16 71/5 74/18 76/9 77/25 78/19 78/24 79/17 82/12 82/22 83/9 85/7 85/13 89/13 94/10 95/11 103/20</p> <p>pleasure [1] 101/1</p> <p>plenty [1] 47/15</p>	<p>pm [4] 55/23 91/14 91/16 104/16</p> <p>point [6] 3/24 42/19 70/25 80/10 92/25 102/18</p> <p>policies [1] 16/12</p> <p>policy [4] 73/8 73/14 75/25 76/4</p> <p>pool [3] 18/14 58/19 75/13</p> <p>pools [3] 57/14 58/19 59/1</p> <p>poor [1] 60/8</p> <p>porcine [3] 13/8 13/13 15/8</p> <p>position [4] 1/5 20/1 23/17 69/24</p> <p>positive [2] 61/9 78/7</p> <p>possibility [2] 48/22 88/2</p> <p>possible [3] 21/8 70/18 104/8</p> <p>Possibly [1] 4/1</p> <p>post [2] 3/3 80/12</p> <p>potentially [2] 25/13 34/18</p> <p>practice [2] 75/14 75/15</p> <p>preceding [1] 31/9</p> <p>prefer [4] 90/13 90/15 90/16 90/17</p> <p>preference [1] 18/6</p> <p>preferred [3] 18/6 18/10 90/5</p> <p>prepared [2] 20/8 101/11</p> <p>presence [2] 32/23 41/22</p> <p>present [6] 25/22 39/3 42/13 68/11 68/20 68/23</p> <p>presented [1] 39/11</p> <p>press [2] 38/9 72/19</p> <p>pressed [2] 91/22 92/3</p> <p>Preston [83] 1/12 1/13 2/3 2/5 7/2 9/5 13/13 14/5 21/15 22/3 22/19 23/9 24/2 25/2 27/15 29/6 36/21 37/14 37/18 38/18 39/3 39/11 40/8 41/4 42/1 43/23 44/5 44/6 44/19 46/23 47/4 47/18 48/4 50/4 52/22 53/2 54/7 54/24 56/13 59/23 59/24 60/19 61/2 61/14 61/24 62/22 63/2 63/11 64/17 66/9 67/12 67/21 68/2 69/1 71/23 72/4 73/1 73/19 74/16</p>	<p>76/14 78/18 80/13 83/4 83/20 84/1 87/21 88/6 90/4 90/8 90/8 91/17 91/25 92/10 93/14 94/6 94/8 94/10 95/6 95/11 96/20 100/2 100/13 105/2</p> <p>Preston's [1] 101/25</p> <p>pretty [1] 11/6</p> <p>previous [2] 94/16 94/20</p> <p>previous year [1] 94/20</p> <p>previously [2] 41/18 54/2</p> <p>price [1] 37/19</p> <p>Prime [1] 1/6</p> <p>Prime Minister's [1] 1/6</p> <p>probably [2] 30/12 78/16</p> <p>problem [9] 50/7 51/6 55/12 61/5 61/6 63/13 71/19 72/19 88/6</p> <p>procedure [1] 31/17</p> <p>proceed [1] 102/21</p> <p>proceeding [1] 52/3</p> <p>proceedings [1] 1/10</p> <p>proceeds [1] 103/12</p> <p>produce [3] 26/1 26/15 59/10</p> <p>produced [3] 25/14 26/9 59/3</p> <p>producers [1] 59/6</p> <p>product [17] 20/25 37/16 41/11 41/20 58/19 70/9 70/10 84/20 93/16 93/19 93/21 93/24 94/15 95/25 96/2 96/5 96/21</p> <p>products [29] 9/22 11/25 16/5 16/7 16/11 16/16 20/24 23/5 25/25 26/14 26/19 42/21 54/2 57/13 58/16 66/15 66/18 76/18 76/20 76/24 77/1 77/7 77/9 93/23 94/2 96/21 98/2 98/4 98/7</p> <p>professor [129]</p> <p>Professor Blackburn [4] 3/12 3/16 3/22 29/16</p> <p>Professor Bloom [2] 72/17 74/25</p> <p>Professor Hardisty [1] 68/25</p> <p>Professor Hay [2] 50/9 102/1</p> <p>Professor Makris [6] 5/5 20/17 20/19 80/1</p>	<p>80/4 80/15</p> <p>Professor Makris's [3] 77/19 79/24 81/11</p> <p>Professor Mannucci [5] 57/4 60/13 61/10 62/4 62/8</p> <p>Professor Mannucci's [7] 60/23 61/1 61/15 61/18 62/15 62/23 62/24</p> <p>Professor Preston [36] 1/12 1/13 2/5 7/2 13/13 22/19 23/9 39/3 40/8 42/1 43/23 44/6 44/19 46/23 47/18 48/4 50/4 54/7 61/2 61/14 62/22 64/17 66/9 68/2 73/1 73/19 80/13 90/4 90/8 91/17 91/25 92/10 93/14 94/8 96/20 100/2</p> <p>Professor Zuckerman [2] 25/17 69/2</p> <p>programme [3] 12/11 19/3 19/6</p> <p>progress [4] 33/16 33/17 52/7 104/3</p> <p>progresses [1] 64/2</p> <p>progressing [1] 65/16</p> <p>progression [7] 41/24 42/16 50/22 51/17 62/18 63/24 64/18</p> <p>progressive [3] 42/23 50/6 50/16</p> <p>project [1] 84/21</p> <p>projects [1] 87/18</p> <p>prolonged [1] 70/8</p> <p>promised [1] 102/5</p> <p>prompted [1] 43/1</p> <p>prompts [1] 85/18</p> <p>proportion [1] 35/18</p> <p>proposals [2] 1/7 102/7</p> <p>propose [1] 1/9</p> <p>proposes [1] 1/7</p> <p>proposing [1] 101/23</p> <p>protocol [1] 96/4</p> <p>proved [1] 79/8</p> <p>proven [1] 65/1</p> <p>provide [2] 2/10 35/10</p> <p>provision [1] 84/3</p> <p>PRSE000384 [1] 41/6</p> <p>PRSE0002647 [1] 67/13</p> <p>PRSE0003622 [1] 29/8</p> <p>PRSE0004229 [2] 49/21 50/3</p> <p>PRSE0004594 [2] 52/25 55/25</p> <p>psychological [1]</p>	<p>103/25</p> <p>public [1] 103/3</p> <p>publication [3] 64/9 66/23 86/5</p> <p>publicity [1] 72/18</p> <p>publish [2] 97/19 97/22</p> <p>published [2] 29/5 29/13</p> <p>pulling [1] 44/23</p> <p>purchase [1] 84/11</p> <p>purpose [6] 71/16 71/18 72/18 87/16 99/4 99/16</p> <p>purposes [1] 99/19</p> <p>pushing [1] 37/24</p> <p>put [10] 1/7 1/14 6/16 6/20 8/21 37/4 38/16 83/12 97/12 102/7</p> <p>putting [1] 20/22</p>	<p>Q</p> <p>qualified [1] 2/14</p> <p>quality [1] 101/6</p> <p>quarter [3] 84/5 84/6 84/7</p> <p>quarters [1] 84/8</p> <p>question [29] 7/17 23/2 25/20 26/4 46/18 46/24 48/6 48/11 58/11 62/7 62/10 63/20 65/20 66/10 66/20 72/8 74/14 79/17 80/13 80/21 82/19 86/20 88/24 94/11 94/18 94/22 95/4 95/14 97/12</p> <p>questioning [1] 102/24</p> <p>questions [22] 1/22 2/6 2/12 4/11 4/21 15/21 22/23 24/21 25/9 29/20 47/14 59/21 90/2 90/4 90/11 90/14 90/16 90/18 92/11 100/3 100/4 100/8</p> <p>quicker [2] 5/3 62/5</p> <p>quite [5] 5/1 17/2 37/22 45/5 54/12</p>	<p>re [2] 46/16 59/2</p> <p>reached [1] 90/1</p> <p>read [24] 5/3 5/9 7/16 20/16 20/18 21/18 22/22 24/8 24/9 25/8 26/7 29/18 31/4 32/3 34/15 50/12 64/24 66/23 67/4 67/6 67/25 79/25 80/16 89/3</p> <p>reading [6] 23/25 27/25 32/7 57/15 61/10 72/7</p> <p>reads [2] 29/22 64/25</p> <p>realise [1] 41/9</p> <p>really [3] 66/4 76/22 95/2</p> <p>reason [6] 18/8 18/10 62/14 65/16 87/19 99/5</p> <p>reasonable [1] 35/18</p> <p>reasons [4] 7/10 99/21 99/22 99/24</p> <p>recall [33] 3/19 16/9 17/1 17/1 17/17 18/18 54/7 54/10 54/13 54/15 54/20 61/15 62/25 63/3 63/5 66/14 66/17 66/19 67/3 69/14 70/20 70/22 73/19 73/20 74/3 79/23 81/21 82/16 82/20 85/3 86/12 89/11 94/17</p> <p>receive [6] 27/10 66/23 87/8 87/10 87/13 98/23</p> <p>received [10] 7/20 31/8 50/15 65/2 65/3 70/14 85/4 87/7 87/11 97/17</p> <p>receiving [7] 35/19 41/20 42/3 49/7 54/3 65/8 71/19</p> <p>recent [2] 30/12 72/18</p> <p>recently [2] 64/10 84/22</p> <p>recognise [2] 90/2 102/9</p> <p>recognised [2] 103/8 103/11</p> <p>recollection [3] 19/6 73/1 78/14</p> <p>recommendations [1] 75/8</p> <p>reconnect [1] 55/16</p> <p>record [8] 7/13 7/19 8/11 8/13 19/10 19/14 26/8 46/16</p> <p>records [3] 8/15 15/11 80/2</p> <p>reduced [2] 15/16 68/8</p>
--	--	---	--	--	--	--

<p>R</p> <p>refer [2] 2/8 32/18</p> <p>reference [13] 3/23 4/8 6/8 23/13 23/23 67/23 72/3 72/11 73/21 73/25 74/6 75/3 86/14</p> <p>referred [1] 60/14</p> <p>referring [1] 2/7</p> <p>refers [1] 75/3</p> <p>reflects [1] 38/5</p> <p>regard [2] 72/24 73/8</p> <p>regarding [1] 73/25</p> <p>region [3] 16/11 16/15 20/11</p> <p>regional [4] 16/10 16/18 19/23 20/7</p> <p>registrar [1] 3/4</p> <p>regular [2] 16/14 16/21</p> <p>regularly [1] 58/21</p> <p>relate [2] 57/14 58/18</p> <p>related [5] 30/12 42/19 82/17 83/17 87/18</p> <p>relating [3] 27/11 30/20 30/23</p> <p>relation [7] 21/13 30/7 32/25 33/3 51/3 82/24 93/15</p> <p>relatively [1] 52/6</p> <p>remain [5] 26/3 26/18 66/5 66/6 103/25</p> <p>remained [2] 4/4 11/7</p> <p>remarkable [1] 101/9</p> <p>remember [49] 4/2 4/3 8/9 11/18 13/13 16/18 16/21 19/9 19/16 19/19 19/21 24/10 24/15 28/22 37/21 40/14 40/19 42/25 43/17 49/14 52/19 56/7 56/17 56/20 56/23 58/24 61/17 61/19 71/2 71/13 71/15 71/16 73/23 73/23 73/24 74/5 77/14 77/15 80/14 80/18 82/25 85/8 85/11 85/15 86/16 86/18 86/21 86/23 86/25</p> <p>remembered [2] 8/12 81/17</p> <p>remotely [1] 103/12</p> <p>repeat [18] 7/16 10/14 16/13 17/8 17/19 19/11 43/12 46/24 48/6 48/11 49/5 51/12 54/9 56/14 79/17 82/12 85/5 85/7</p>	<p>replacement [2] 30/13 31/8</p> <p>replied [1] 84/15</p> <p>reply [1] 84/13</p> <p>report [2] 60/12 77/11</p> <p>reported [2] 59/9 70/4</p> <p>reporting [1] 72/24</p> <p>reports [1] 66/24</p> <p>representative [2] 6/17 103/9</p> <p>representatives [4] 87/9 87/13 90/3 103/11</p> <p>requested [1] 79/5</p> <p>require [2] 98/20 98/21</p> <p>required [1] 99/3</p> <p>requires [1] 95/4</p> <p>requiring [1] 36/7</p> <p>research [18] 24/23 84/19 84/20 86/4 86/8 86/10 87/18 97/17 97/18 97/20 97/21 98/1 98/12 98/15 99/4 99/10 99/17 99/19</p> <p>reserve [1] 75/23</p> <p>reserved [1] 73/11</p> <p>respect [4] 18/15 81/18 85/15 86/4</p> <p>responded [2] 37/24 56/25</p> <p>response [1] 102/6</p> <p>responsible [2] 31/15 50/20</p> <p>restricted [1] 73/11</p> <p>restriction [1] 73/16</p> <p>restrictions [5] 102/14 103/2 104/3 104/7 104/14</p> <p>result [2] 96/11 96/13</p> <p>results [9] 35/4 39/24 78/4 78/5 78/6 78/6 78/10 97/19 97/23</p> <p>resume [1] 90/5</p> <p>retired [2] 3/17 43/10</p> <p>retirement [1] 4/5</p> <p>return [3] 9/11 11/22 104/14</p> <p>returns [8] 6/14 8/22 9/7 11/9 13/25 14/11 17/25 94/5</p> <p>revealed [1] 29/24</p> <p>reverberating [2] 45/7 45/17</p> <p>revert [2] 76/7 76/11</p> <p>reverted [1] 76/15</p> <p>Revlon [13] 83/13 83/17 83/17 83/18 83/23 85/4 85/10 85/12 85/22 86/8 86/10 87/8 87/12</p> <p>Revlon Health Care [2] 83/13 83/23</p>	<p>Revlon's [1] 84/12</p> <p>RHAL0000489 [1] 78/19</p> <p>RHAL0000824 [1] 6/23</p> <p>Rhesus [1] 70/14</p> <p>Rhesus HDN [1] 70/14</p> <p>Richard [1] 88/12</p> <p>Richards [4] 1/22 2/4 102/23 105/3</p> <p>right [5] 1/17 1/19 2/16 3/5 6/11 8/8 11/4 15/19 15/23 17/7 21/5 22/5 23/24 27/2 27/12 27/23 28/7 28/25 32/15 33/7 38/6 40/11 42/7 43/19 44/25 48/5 51/12 51/22 52/4 57/17 58/1 60/4 60/7 61/13 65/18 68/22 69/20 72/4 72/5 76/14 81/16 81/17 90/6 92/4 93/5 93/6 94/11 95/18 96/19 96/22 100/24</p> <p>right-hand [3] 22/5 32/15 57/17</p> <p>ring [1] 21/1</p> <p>rise [1] 46/11</p> <p>risk [11] 36/5 37/19 49/3 49/8 66/11 66/15 66/17 71/1 75/12 93/15 93/25</p> <p>risk' [1] 79/6</p> <p>risks [2] 26/12 36/13</p> <p>Rizza [3] 8/24 68/24 75/1</p> <p>robust [1] 102/25</p> <p>room [5] 7/22 8/3 8/14 102/23 103/1</p> <p>roughly [2] 3/19 91/10</p> <p>routinely [1] 8/13</p> <p>Royal [10] 2/15 2/24 2/25 3/2 3/4 3/9 3/9 39/7 39/18 40/21</p> <p>run [1] 101/25</p> <p>runs [1] 7/4</p> <p>S</p> <p>safe [2] 65/7 104/13</p> <p>safer [5] 18/12 18/13 18/15 26/19 37/15</p> <p>safest [3] 93/16 93/19 93/21</p> <p>safety [1] 104/10</p> <p>said [28] 10/14 16/4 17/5 20/17 21/12 26/12 27/4 28/11 30/22 36/16 36/19 38/4 46/10 46/21 57/9 60/24 60/25 63/1 64/22 71/9 76/13</p>	<p>77/11 92/18 93/14 96/4 96/7 96/12 100/17</p> <p>same [10] 6/2 11/15 11/16 21/7 21/8 53/9 55/13 57/23 96/2 98/17</p> <p>samples [5] 77/20 77/21 81/25 82/3 82/6</p> <p>satisfactory [1] 48/24</p> <p>say [39] 8/10 10/24 28/4 32/24 35/6 35/8 35/13 35/25 40/24 42/9 42/14 44/9 45/10 46/21 51/16 52/11 56/14 62/9 62/13 63/1 65/20 65/21 71/5 71/8 71/10 71/25 75/17 76/10 83/9 85/5 89/13 89/23 93/20 99/8 100/24 101/1 101/8 102/3 102/5</p> <p>saying [10] 1/8 1/17 1/19 23/21 26/8 35/4 55/18 56/12 57/6 88/23</p> <p>says [27] 5/12 5/18 9/9 13/8 20/19 20/20 21/4 21/6 22/12 23/2 23/3 37/17 39/10 41/17 50/13 53/25 67/22 68/5 69/3 69/22 70/2 72/16 73/7 75/6 75/20 80/4 86/3</p> <p>scheduled [1] 78/12</p> <p>screen [22] 6/16 6/20 8/21 11/11 11/13 11/14 14/4 22/20 37/4 49/25 50/3 53/10 55/24 67/24 68/4 68/14 78/23 86/1 89/3 89/4 92/1 94/8</p> <p>screening [1] 29/23</p> <p>screens [1] 50/4</p> <p>scribbled [1] 38/12</p> <p>searching [1] 49/22</p> <p>seat [1] 92/7</p> <p>second [9] 15/17 32/9 57/9 60/6 70/13 73/4 73/6 86/3 88/5</p> <p>secretary [1] 34/1</p> <p>see [62] 3/22 6/24 6/24 7/15 7/15 9/13 9/24 10/2 10/15 10/21 11/14 11/20 11/22 11/23 12/2 12/10 12/14 13/8 13/17 13/17 13/18 14/4 14/15 14/21 15/8 18/23 23/6 25/9 28/9 28/10 29/13 29/14 31/2 32/20 38/23 40/8</p>	<p>44/14 46/24 47/19 47/20 51/9 53/3 53/20 55/13 55/15 55/17 58/3 58/17 60/12 68/2 68/10 69/20 69/22 70/2 70/19 72/11 79/2 85/18 86/1 86/6 91/20 91/25</p> <p>seeing [2] 29/3 93/24</p> <p>seems [3] 30/11 64/11 64/12</p> <p>seen [5] 5/16 11/5 17/25 79/18 86/14</p> <p>selected [5] 31/3 31/12 31/13 31/20 35/17</p> <p>selection [2] 31/10 31/16</p> <p>self [1] 34/17</p> <p>self-limiting [1] 34/17</p> <p>senior [1] 3/3</p> <p>sent [3] 8/22 62/4 74/24</p> <p>sentence [5] 30/16 34/12 35/1 51/15 93/20</p> <p>sentences [2] 57/11 58/13</p> <p>September [1] 29/14</p> <p>September 1978 [1] 29/14</p> <p>sera [2] 77/20 82/3</p> <p>Serial [2] 50/22 51/17</p> <p>series [1] 88/1</p> <p>serious [13] 33/12 37/23 40/10 45/2 45/13 47/2 48/8 48/17 51/24 51/25 52/2 89/19 89/20</p> <p>seriously [1] 48/25</p> <p>serological [1] 42/18</p> <p>serum [1] 51/3</p> <p>service [2] 6/2 103/25</p> <p>set [3] 13/25 66/5 66/6</p> <p>sets [1] 38/4</p> <p>seven [3] 9/20 29/23 31/7</p> <p>several [2] 42/15 70/15</p> <p>severe [3] 33/18 42/11 80/7</p> <p>severely [2] 65/7 74/11</p> <p>severity [3] 18/20 36/3 51/4</p> <p>sexual [1] 79/6</p> <p>shall [3] 47/9 55/12 91/9</p> <p>shan't [2] 1/16 101/14</p> <p>she [8] 9/3 11/18 68/12 71/8 71/9 76/10</p>	<p>85/5 100/17</p> <p>she wants [1] 11/18</p> <p>she's [3] 100/14 100/16 100/23</p> <p>Sheffield [26] 3/4 3/10 3/14 3/20 4/4 4/24 5/14 6/7 6/10 8/23 16/1 16/19 16/20 19/3 20/7 23/22 29/24 39/7 40/6 40/21 71/3 77/16 77/18 86/7 87/5 87/6</p> <p>Sheffield-Royal Free [1] 39/7</p> <p>short [5] 44/17 48/2 55/14 55/22 96/8</p> <p>should [16] 9/1 9/9 21/15 36/21 37/24 38/18 49/11 49/13 52/22 67/12 67/20 72/23 75/11 83/4 87/24 88/10</p> <p>show [6] 15/12 36/16 36/19 52/7 54/18 58/6</p> <p>showed [5] 32/4 37/22 39/24 50/22 51/17</p> <p>showing [1] 52/1</p> <p>shown [4] 6/18 41/18 62/3 101/4</p> <p>shows [2] 7/13 42/15</p> <p>side [2] 32/16 57/17</p> <p>significant [2] 42/16 94/15</p> <p>significantly [1] 15/16</p> <p>signs [2] 33/1 51/2</p> <p>similar [1] 64/7</p> <p>similarly [2] 59/4 64/3</p> <p>since [3] 23/18 35/16 42/21</p> <p>single [3] 42/24 65/11 83/16</p> <p>sir [16] 1/11 15/12 38/11 43/22 44/6 47/9 47/20 55/8 80/5 89/22 90/1 90/6 91/6 100/4 101/21 101/23</p> <p>Sir Brian [3] 47/20 55/8 100/4</p> <p>sister [3] 79/3 79/3 79/13</p> <p>sit [4] 47/14 47/20 92/7 101/24</p> <p>sitting [1] 47/20</p> <p>six [2] 29/25 31/11</p> <p>sixth [2] 36/25 37/12</p> <p>size [4] 57/14 58/18 58/25 68/18</p> <p>sizes [1] 18/14</p> <p>skip [1] 37/17</p> <p>skipping [1] 70/16</p> <p>slide [1] 94/12</p> <p>slower [1] 62/18</p>
--	--	---	--	---	--

<p>S</p> <p>slowly [3] 24/24 26/5 46/17</p> <p>small [2] 14/16 37/19</p> <p>smaller [3] 10/6 18/14 23/22</p> <p>so [97] 1/11 2/12 5/9 6/20 7/4 8/3 8/10 8/18 9/20 10/3 10/11 12/10 12/15 14/11 14/13 14/22 15/15 16/17 20/24 21/13 22/12 23/9 23/25 24/18 24/20 25/10 25/12 27/15 27/20 28/11 28/25 29/9 29/22 32/19 33/17 33/24 34/21 37/1 37/9 38/23 41/1 41/3 44/1 44/3 44/4 44/4 45/19 49/24 50/4 50/6 50/13 53/13 53/15 55/12 59/19 59/22 60/11 62/20 64/11 64/14 65/10 66/20 68/2 68/20 68/23 74/12 75/6 78/9 79/25 82/8 83/1 83/16 83/22 84/12 84/15 86/1 88/18 89/6 91/12 93/2 94/1 94/6 95/6 95/22 95/24 96/17 96/20 98/5 98/16 100/24 101/7 101/12 101/14 101/15 102/3 103/23 103/24</p> <p>social [1] 104/10</p> <p>Society's [1] 4/19</p> <p>solely [3] 42/23 99/16 99/18</p> <p>some [28] 2/6 2/7 6/14 8/22 12/2 13/18 15/21 24/21 24/23 25/8 28/16 29/16 29/18 33/21 36/11 39/17 43/21 56/24 59/16 60/23 63/22 70/3 76/19 76/21 77/6 86/14 93/25 102/22</p> <p>somebody [1] 81/9</p> <p>someone [2] 46/14 103/1</p> <p>something [14] 6/24 20/16 20/23 21/12 36/16 36/19 44/8 45/16 47/11 48/18 67/1 83/9 86/16 102/6</p> <p>somewhere [2] 16/19 47/15</p> <p>soon [3] 17/14 17/14 28/13</p> <p>sorry [27] 11/13 20/5</p>	<p>22/16 26/5 27/22 30/22 38/11 40/19 44/24 46/1 53/11 57/7 60/19 63/15 63/16 69/13 69/15 72/7 80/21 81/6 85/24 89/1 92/6 93/7 95/16 99/5 99/15</p> <p>sort [2] 47/10 47/19</p> <p>sorted [1] 92/2</p> <p>sorting [1] 92/5</p> <p>sought [1] 17/7</p> <p>sound [6] 6/4 45/6 45/8 60/8 81/16 101/6</p> <p>sounds [2] 55/11 81/17</p> <p>space [1] 47/15</p> <p>speak [3] 26/5 46/17 74/7</p> <p>speaking [1] 55/4</p> <p>special [7] 8/3 28/19 72/1 72/9 73/2 78/11 78/13</p> <p>specific [3] 66/22 70/9 95/1</p> <p>specifics [1] 86/23</p> <p>specimens [1] 32/4</p> <p>spectrum [3] 30/4 34/12 34/16</p> <p>Spooner [1] 8/23</p> <p>spread [1] 103/8</p> <p>spring [1] 104/5</p> <p>staff [1] 5/25</p> <p>stage [3] 4/12 100/17 101/7</p> <p>stages [1] 24/24</p> <p>start [7] 1/3 1/24 2/12 3/8 3/12 76/18 76/20</p> <p>started [8] 5/12 10/12 10/18 17/13 19/7 76/24 77/1 92/12</p> <p>starting [3] 22/11 37/11 92/13</p> <p>starts [2] 7/3 22/4</p> <p>state [1] 70/18</p> <p>stated [1] 52/15</p> <p>statement [17] 1/6 1/8 16/4 16/7 17/5 17/12 20/17 27/9 38/4 77/19 78/14 79/22 79/25 80/3 80/4 81/11 93/14</p> <p>States [2] 66/25 67/2</p> <p>status [1] 79/5</p> <p>stay [2] 27/18 92/4</p> <p>still [11] 3/12 10/11 10/15 12/2 26/3 26/18 26/21 42/13 46/12 46/13 62/2</p> <p>Stockholm [1] 84/23</p> <p>stop [1] 73/22</p> <p>stopped [1] 3/22</p> <p>Stopping [1] 65/15</p>	<p>stored [4] 77/20 77/20 81/25 82/3</p> <p>straight [1] 92/7</p> <p>stream [1] 103/15</p> <p>studied [3] 39/25 63/6 63/6</p> <p>studies [6] 82/17 82/21 85/14 85/15 98/19 98/22</p> <p>study [17] 50/14 51/9 52/1 61/8 61/15 61/18 62/23 62/23 63/4 95/24 96/18 96/20 98/11 98/11 98/14 98/14 98/23</p> <p>subject [1] 74/1</p> <p>subsequent [1] 84/10</p> <p>subsequently [1] 80/12</p> <p>substantially [1] 64/13</p> <p>succession [1] 96/2</p> <p>such [5] 25/16 25/21 36/7 75/13 81/8</p> <p>suffering [2] 37/15 70/4</p> <p>suggest [8] 24/12 47/9 63/21 65/1 65/21 65/22 84/24 90/3</p> <p>suggested [3] 27/9 50/19 65/15</p> <p>suggesting [2] 50/24 51/19</p> <p>suggestions [1] 63/22</p> <p>suggests [5] 17/13 30/9 77/19 78/16 81/11</p> <p>suitable [1] 36/4</p> <p>summarise [1] 26/23</p> <p>summarised [1] 69/24</p> <p>summarises [1] 30/15</p> <p>summary [4] 29/22 50/12 50/13 51/16</p> <p>supplies [1] 75/23</p> <p>supply [2] 19/20 20/23</p> <p>support [2] 84/20 103/25</p> <p>supposed [2] 51/1 51/21</p> <p>sure [7] 5/1 9/1 23/10 23/14 45/20 66/21 78/22</p> <p>surface [1] 61/9</p> <p>surprised [1] 21/2</p> <p>surveillance [1] 72/24</p> <p>survey [3] 9/9 39/7 40/20</p> <p>suspected [1] 72/25</p> <p>symptom [3] 30/3 31/16 34/22</p> <p>symptom-free [3]</p>	<p>30/3 31/16 34/22</p> <p>symptomless [1] 40/5</p> <p>symptoms [3] 41/21 42/18 51/1</p> <p>Syndrome [1] 69/19</p> <p>synthetic [2] 36/9 37/16</p> <p>system [4] 19/9 19/12 46/15 47/11</p> <p>Systematic [1] 29/23</p> <p>T</p> <p>table [4] 32/6 32/9 32/11 32/12</p> <p>take [14] 1/25 3/16 15/11 24/24 36/23 44/3 44/21 47/9 47/18 55/14 57/1 91/8 92/7 102/24</p> <p>taken [2] 7/5 19/10</p> <p>taking [1] 102/25</p> <p>talk [5] 41/25 44/13 56/23 103/18 104/1</p> <p>talked [1] 43/4</p> <p>talking [2] 88/19 102/12</p> <p>talks [1] 39/17</p> <p>tasked [1] 102/20</p> <p>tea [1] 44/2</p> <p>team [7] 6/1 45/24 69/3 81/15 82/11 82/14 103/21</p> <p>technical [1] 45/24</p> <p>technology [2] 101/5 101/6</p> <p>telephone [1] 103/25</p> <p>television [1] 72/19</p> <p>tell [18] 4/23 32/18 32/22 32/25 33/8 45/16 49/2 49/6 49/12 49/15 70/25 74/2 77/23 78/1 78/5 87/2 98/10 98/13</p> <p>tells [5] 4/18 30/16 31/20 32/4 37/5</p> <p>temperature [1] 96/8</p> <p>ten [2] 28/4 70/6</p> <p>tend [1] 19/17</p> <p>tended [1] 23/22</p> <p>tendency [1] 29/25</p> <p>terms [9] 20/6 20/9 23/4 26/21 33/9 63/24 98/12 98/14 100/8</p> <p>terrible [1] 93/6</p> <p>test [7] 77/23 78/4 79/15 79/19 81/22 81/25 82/3</p> <p>tested [6] 77/16 77/18 77/21 78/15 79/8 82/7</p> <p>testing [4] 31/6 77/24 78/2 81/21</p> <p>tests [2] 29/24 35/5</p>	<p>text [2] 32/3 68/18</p> <p>than [34] 5/15 8/7 19/17 20/25 23/13 23/15 23/23 24/13 33/12 33/18 40/24 45/6 45/17 52/23 56/10 56/19 56/22 57/1 61/12 62/20 64/2 64/13 64/14 64/20 76/19 76/21 81/13 84/10 85/8 87/7 87/11 88/14 90/13 102/10</p> <p>thank [52] 1/23 5/11 9/8 11/20 13/24 14/8 15/10 21/21 24/21 25/6 28/8 28/25 32/1 35/15 38/8 38/14 38/23 44/5 44/14 44/15 44/25 48/5 49/23 53/12 55/11 55/19 55/20 56/16 59/8 59/15 59/15 63/9 63/18 66/8 74/24 77/13 83/15 83/21 84/17 91/12 91/18 93/13 100/6 100/12 100/24 101/3 101/8 101/10 101/14 101/17 101/18 104/13</p> <p>thanking [1] 100/13</p> <p>thanks [2] 9/5 44/5</p> <p>that [402]</p> <p>that I [3] 49/12 83/16 102/5</p> <p>that is [7] 6/6 6/6 23/18 49/10 51/15 65/9 77/12</p> <p>that's [52] 2/21 5/4 8/8 9/20 10/25 11/16 21/2 21/22 24/6 25/6 28/24 32/2 32/8 32/11 33/25 37/4 38/12 40/25 43/18 46/9 52/5 52/20 53/6 53/9 57/2 60/4 60/9 60/14 64/22 65/19 66/10 68/15 71/24 71/25 72/6 76/14 77/4 79/3 81/20 83/20 84/12 88/14 89/3 89/3 89/10 90/6 91/5 91/21 92/4 93/5 95/6 96/20</p> <p>their [21] 7/7 8/16 19/14 31/18 39/11 40/2 71/12 72/21 73/11 74/7 78/5 78/8 78/12 82/6 87/19 98/1 98/4 98/7 99/3 103/13 103/19</p> <p>them [22] 7/6 9/3 9/4 17/17 33/3 33/9 49/3 49/7 49/12 49/13</p>	<p>49/16 59/7 59/7 62/6 64/6 68/2 74/4 76/5 77/24 78/2 78/9 104/1</p> <p>themselves [2] 19/13 66/2</p> <p>then [92] 3/2 3/7 3/9 3/16 4/14 5/24 7/8 9/22 9/25 10/2 10/6 10/9 10/21 11/9 11/24 12/5 12/14 12/22 13/2 13/7 13/17 13/18 13/19 13/25 14/14 14/21 15/4 17/5 17/23 17/25 18/23 20/9 21/6 23/3 23/9 23/16 25/20 26/12 26/22 29/20 31/24 33/3 33/6 33/24 35/13 35/22 36/9 37/17 39/17 40/13 41/3 41/25 42/9 42/14 43/11 51/15 52/5 52/20 61/4 61/23 62/9 62/13 62/18 63/9 63/25 65/20 67/24 68/10 68/25 69/1 69/2 70/16 70/20 72/12 74/14 75/4 75/20 77/11 77/12 78/7 80/11 84/12 86/3 90/14 91/8 91/11 93/12 94/3 96/3 96/10 98/10 104/12</p> <p>therapy [5] 30/13 30/21 31/8 68/9 73/18</p> <p>there [68] 4/25 5/25 10/2 12/12 12/14 14/21 16/24 18/7 19/2 19/9 19/12 19/21 20/10 23/20 25/1 26/2 26/18 28/2 29/14 30/14 35/8 37/6 37/11 41/18 41/23 42/11 45/22 45/23 47/10 50/16 51/2 53/3 57/19 59/12 62/1 62/8 62/22 63/19 64/14 64/17 64/18 65/15 65/22 66/1 66/5 66/6 69/13 70/4 70/8 70/19 70/22 72/12 72/22 73/15 75/5 80/5 88/10 88/10 89/1 90/11 93/8 94/12 94/19 99/24 100/4 100/6 100/9 102/22</p> <p>there's [24] 6/15 12/2 12/10 13/11 22/6 23/2 34/11 39/5 47/15 63/9 67/9 67/10 68/20 68/23 69/1 69/18 71/21 74/14 85/17 87/20 88/6 88/7 94/11 94/15</p>
--	---	---	---	---	--

<p>T</p> <p>therefore [1] 101/24</p> <p>these [18] 8/25 28/14 29/2 29/25 30/2 31/12 36/3 51/2 54/1 54/8 54/10 54/13 54/15 56/18 56/20 62/20 70/12 96/16</p> <p>they [44] 6/2 7/7 7/9 7/20 8/25 15/12 15/13 19/13 19/17 23/18 25/14 25/18 28/15 28/16 28/16 32/18 45/24 49/7 49/16 54/18 61/5 64/1 65/18 66/24 74/11 78/7 82/8 89/19 89/20 97/5 97/5 97/7 97/10 97/10 97/10 97/11 98/7 98/9 98/9 98/9 98/16 102/17 103/14 104/6</p> <p>they'd [1] 19/10</p> <p>thing [2] 27/17 38/17</p> <p>things [2] 24/10 92/5</p> <p>think [72] 2/8 3/7 3/12 3/24 4/14 6/7 6/17 8/25 11/4 14/9 15/23 16/17 17/22 18/6 18/20 18/23 19/24 20/1 20/2 23/25 24/17 24/18 25/15 25/17 26/11 38/3 38/11 41/1 42/8 43/5 44/11 45/22 46/4 46/15 48/17 48/20 49/9 49/10 52/16 56/23 57/20 60/20 61/9 62/14 63/13 63/21 64/4 65/1 65/21 66/20 69/6 71/9 74/8 76/11 77/4 77/18 79/3 81/24 82/8 83/1 88/8 89/21 90/19 90/20 92/24 92/24 93/22 94/7 100/10 100/19 100/22 101/8</p> <p>thinking [2] 61/11 92/25</p> <p>third [8] 32/8 33/24 39/25 40/9 60/6 60/22 75/5 88/22</p> <p>thirds [1] 40/3</p> <p>thirty [1] 29/25</p> <p>thirty-six [1] 29/25</p> <p>this [141]</p> <p>those [34] 7/6 9/2 18/18 22/2 25/11 32/18 33/8 33/14 34/21 37/15 39/2 44/1 57/9 62/19 62/20 63/6 66/25 70/2 74/2 77/20 80/10 80/14 87/16</p> <p>99/3 99/15 99/15 99/18 100/2 102/4 102/12 102/13 103/19 104/12 104/14</p> <p>though [1] 55/11</p> <p>thought [9] 18/12 18/13 25/18 26/11 49/16 53/11 90/13 94/23 94/23</p> <p>three [9] 10/2 12/14 14/21 40/4 40/13 63/19 70/11 88/10 89/1</p> <p>thrombosis [1] 5/23</p> <p>through [4] 7/4 64/5 83/11 92/24</p> <p>Thursday [2] 102/2 102/16</p> <p>tighter [1] 102/14</p> <p>time [33] 2/6 2/6 4/22 12/10 16/25 17/1 17/2 25/22 25/24 26/13 28/17 33/9 33/13 36/23 43/10 43/22 46/3 47/1 47/16 55/13 55/16 61/10 63/5 64/7 65/11 75/15 76/4 76/12 85/1 90/1 94/23 96/9 102/9</p> <p>times [2] 21/4 64/14</p> <p>timetabled [2] 102/22 104/6</p> <p>tinny [3] 45/16 54/25 55/10</p> <p>title [1] 68/1</p> <p>to [444]</p> <p>today [4] 1/10 90/25 91/4 101/16</p> <p>together [2] 82/10 83/13</p> <p>told [22] 5/8 6/8 21/4 26/22 26/24 27/18 36/12 37/18 38/3 43/6 43/8 43/15 43/19 45/1 45/11 48/7 49/13 76/23 76/25 77/9 82/6 82/8</p> <p>tomorrow [8] 90/5 90/10 90/15 90/17 90/21 90/23 101/15 101/24</p> <p>too [4] 7/1 90/12 93/1 102/20</p> <p>took [4] 3/3 3/25 51/9 69/5</p> <p>top [5] 22/12 25/10 32/8 63/18 63/19</p> <p>topic [2] 68/8 87/20</p> <p>total [4] 9/13 9/19 16/6 84/8</p> <p>totally [2] 63/7 98/16</p> <p>touch [2] 84/23</p> <p>103/21</p> <p>towards [4] 15/9 39/5 63/18 69/15</p> <p>Townsend [1] 84/22</p> <p>train [1] 2/23</p> <p>trainee [1] 5/13</p> <p>training [1] 27/11</p> <p>transcript [2] 63/12 95/6</p> <p>transferred [1] 80/12</p> <p>transfused [1] 70/11</p> <p>transfusion [6] 16/18 16/22 16/24 19/23 20/7 36/7</p> <p>transfusions [1] 65/10</p> <p>transmission [5] 18/16 57/12 58/15 70/11 88/2</p> <p>transmit [2] 25/25 26/14</p> <p>transmitting [1] 75/12</p> <p>treatable [1] 34/18</p> <p>treated [30] 7/20 9/10 9/14 9/19 11/24 14/12 14/14 15/23 16/1 53/17 54/1 56/4 56/9 56/18 56/21 57/25 59/9 59/11 74/10 76/18 76/20 76/24 77/1 77/7 77/9 86/5 86/9 86/11 96/1 96/20</p> <p>treating [5] 19/12 24/17 56/8 56/17 56/20</p> <p>treatment [56] 7/8 7/11 7/13 7/19 7/22 7/22 8/12 8/14 8/14 8/17 10/22 11/5 12/8 12/11 12/20 12/25 13/5 14/19 14/24 15/2 15/6 15/22 16/11 17/6 17/10 17/17 17/21 18/18 19/3 19/6 19/10 19/10 19/14 19/16 20/18 20/20 35/19 49/7 65/13 70/8 74/9 74/12 75/10 75/21 80/19 80/23 80/25 81/1 81/2 81/7 82/9 82/17 82/21 93/8 96/3 99/4</p> <p>treatments [4] 14/15 16/5 93/10 93/10</p> <p>trial [8] 96/11 96/24 97/1 97/6 97/8 97/10 97/11 98/6</p> <p>trials [8] 77/7 77/8 82/17 82/20 82/23 82/24 82/25 97/9</p> <p>tribunal [23] 6/8 6/9 17/13 21/13 23/21</p> <p>24/23 26/22 26/25 27/4 27/15 43/5 43/6 43/8 43/14 43/15 43/20 59/17 59/22 59/25 62/3 76/23 76/25 95/5</p> <p>tried [1] 93/15</p> <p>Triger [10] 28/18 28/25 29/15 41/14 50/9 53/16 81/8 81/8 82/14 84/25</p> <p>Triger's [2] 81/9 82/11</p> <p>try [18] 11/12 17/22 17/22 18/21 26/5 46/17 46/23 47/10 47/17 48/4 55/4 55/8 55/16 66/22 72/3 72/5 72/5 99/9</p> <p>trying [3] 46/14 48/6 81/6</p> <p>twenties [1] 70/13</p> <p>twenty [1] 31/12</p> <p>twenty-five [1] 31/12</p> <p>two [27] 5/18 26/7 36/5 40/3 42/3 42/8 42/17 49/18 53/22 54/19 57/3 57/11 58/13 65/8 70/1 75/6 84/7 84/9 86/6 91/6 91/9 91/13 91/13 96/1 96/13 96/16 96/24</p> <p>two o'clock [4] 91/6 91/9 91/13 91/13</p> <p>two paragraphs [1] 70/1</p> <p>two-thirds [1] 40/3</p> <p>type [1] 33/17</p> <p>types [1] 27/6</p>	<p>99/3 99/15 99/15 99/18 100/2 102/4 102/12 102/13 103/19 104/12 104/14</p> <p>though [1] 55/11</p> <p>thought [9] 18/12 18/13 25/18 26/11 49/16 53/11 90/13 94/23 94/23</p> <p>three [9] 10/2 12/14 14/21 40/4 40/13 63/19 70/11 88/10 89/1</p> <p>thrombosis [1] 5/23</p> <p>through [4] 7/4 64/5 83/11 92/24</p> <p>Thursday [2] 102/2 102/16</p> <p>tighter [1] 102/14</p> <p>time [33] 2/6 2/6 4/22 12/10 16/25 17/1 17/2 25/22 25/24 26/13 28/17 33/9 33/13 36/23 43/10 43/22 46/3 47/1 47/16 55/13 55/16 61/10 63/5 64/7 65/11 75/15 76/4 76/12 85/1 90/1 94/23 96/9 102/9</p> <p>times [2] 21/4 64/14</p> <p>timetabled [2] 102/22 104/6</p> <p>tinny [3] 45/16 54/25 55/10</p> <p>title [1] 68/1</p> <p>to [444]</p> <p>today [4] 1/10 90/25 91/4 101/16</p> <p>together [2] 82/10 83/13</p> <p>told [22] 5/8 6/8 21/4 26/22 26/24 27/18 36/12 37/18 38/3 43/6 43/8 43/15 43/19 45/1 45/11 48/7 49/13 76/23 76/25 77/9 82/6 82/8</p> <p>tomorrow [8] 90/5 90/10 90/15 90/17 90/21 90/23 101/15 101/24</p> <p>too [4] 7/1 90/12 93/1 102/20</p> <p>took [4] 3/3 3/25 51/9 69/5</p> <p>top [5] 22/12 25/10 32/8 63/18 63/19</p> <p>topic [2] 68/8 87/20</p> <p>total [4] 9/13 9/19 16/6 84/8</p> <p>totally [2] 63/7 98/16</p> <p>touch [2] 84/23</p> <p>103/21</p> <p>towards [4] 15/9 39/5 63/18 69/15</p> <p>Townsend [1] 84/22</p> <p>train [1] 2/23</p> <p>trainee [1] 5/13</p> <p>training [1] 27/11</p> <p>transcript [2] 63/12 95/6</p> <p>transferred [1] 80/12</p> <p>transfused [1] 70/11</p> <p>transfusion [6] 16/18 16/22 16/24 19/23 20/7 36/7</p> <p>transfusions [1] 65/10</p> <p>transmission [5] 18/16 57/12 58/15 70/11 88/2</p> <p>transmit [2] 25/25 26/14</p> <p>transmitting [1] 75/12</p> <p>treatable [1] 34/18</p> <p>treated [30] 7/20 9/10 9/14 9/19 11/24 14/12 14/14 15/23 16/1 53/17 54/1 56/4 56/9 56/18 56/21 57/25 59/9 59/11 74/10 76/18 76/20 76/24 77/1 77/7 77/9 86/5 86/9 86/11 96/1 96/20</p> <p>treating [5] 19/12 24/17 56/8 56/17 56/20</p> <p>treatment [56] 7/8 7/11 7/13 7/19 7/22 7/22 8/12 8/14 8/14 8/17 10/22 11/5 12/8 12/11 12/20 12/25 13/5 14/19 14/24 15/2 15/6 15/22 16/11 17/6 17/10 17/17 17/21 18/18 19/3 19/6 19/10 19/10 19/14 19/16 20/18 20/20 35/19 49/7 65/13 70/8 74/9 74/12 75/10 75/21 80/19 80/23 80/25 81/1 81/2 81/7 82/9 82/17 82/21 93/8 96/3 99/4</p> <p>treatments [4] 14/15 16/5 93/10 93/10</p> <p>trial [8] 96/11 96/24 97/1 97/6 97/8 97/10 97/11 98/6</p> <p>trials [8] 77/7 77/8 82/17 82/20 82/23 82/24 82/25 97/9</p> <p>tribunal [23] 6/8 6/9 17/13 21/13 23/21</p> <p>24/23 26/22 26/25 27/4 27/15 43/5 43/6 43/8 43/14 43/15 43/20 59/17 59/22 59/25 62/3 76/23 76/25 95/5</p> <p>tried [1] 93/15</p> <p>Triger [10] 28/18 28/25 29/15 41/14 50/9 53/16 81/8 81/8 82/14 84/25</p> <p>Triger's [2] 81/9 82/11</p> <p>try [18] 11/12 17/22 17/22 18/21 26/5 46/17 46/23 47/10 47/17 48/4 55/4 55/8 55/16 66/22 72/3 72/5 72/5 99/9</p> <p>trying [3] 46/14 48/6 81/6</p> <p>twenties [1] 70/13</p> <p>twenty [1] 31/12</p> <p>twenty-five [1] 31/12</p> <p>two [27] 5/18 26/7 36/5 40/3 42/3 42/8 42/17 49/18 53/22 54/19 57/3 57/11 58/13 65/8 70/1 75/6 84/7 84/9 86/6 91/6 91/9 91/13 91/13 96/1 96/13 96/16 96/24</p> <p>two o'clock [4] 91/6 91/9 91/13 91/13</p> <p>two paragraphs [1] 70/1</p> <p>two-thirds [1] 40/3</p> <p>type [1] 33/17</p> <p>types [1] 27/6</p>	<p>undertaken [2] 99/16 99/18</p> <p>undertaking [6] 40/16 40/22 99/2 99/22 99/23 99/25</p> <p>undertook [1] 51/12</p> <p>Underwood [6] 28/23 28/24 29/1 29/15 41/15 50/10</p> <p>undoubtedly [3] 64/1 64/2 65/25</p> <p>undue [1] 36/5</p> <p>unexposed [2] 75/22 76/3</p> <p>unfortunate [1] 64/4</p> <p>unfortunately [1] 100/23</p> <p>uninformed [1] 27/1</p> <p>unit [1] 84/4</p> <p>units [18] 9/24 9/25 10/4 10/6 10/9 11/2 12/6 12/8 12/18 12/20 12/22 12/25 13/3 13/5 14/24 15/4 15/5 70/15</p> <p>unknown [1] 51/2</p> <p>unless [2] 26/24 103/13</p> <p>unproven [2] 63/22 65/21</p> <p>unselected [1] 50/14</p> <p>unsuccessful [2] 17/23 18/22</p> <p>until [6] 4/5 73/10 90/21 91/13 104/12 104/17</p> <p>unusual [1] 96/14</p> <p>up [13] 3/3 7/6 8/21 14/4 28/16 39/22 53/1 62/6 69/17 70/3 73/10 91/1 94/8</p> <p>update [3] 70/19 70/22 79/5</p> <p>upon [2] 18/20 92/19</p> <p>us [32] 4/18 4/23 5/4 5/8 16/25 17/4 28/16 30/16 31/14 31/20 32/4 32/19 32/22 32/25 33/8 37/5 43/16 44/22 45/1 45/11 48/7 58/6 63/6 70/6 74/2 87/2 95/4 96/17 98/10 100/16 100/25 101/12</p> <p>usage [2] 24/19 24/19</p> <p>use [36] 10/18 13/14 13/15 15/12 15/15 16/5 16/7 17/7 17/23 18/9 18/11 18/18 18/21 18/21 18/22 19/17 23/22 30/20 30/24 39/12 45/3 48/9 53/14 67/4 67/6 67/24 73/9 73/12 73/16 76/4</p> <p>76/8 76/12 81/25 82/3 94/16 94/19</p> <p>used [36] 7/18 9/23 9/23 10/3 11/25 12/6 12/8 12/12 12/15 12/23 12/25 13/3 13/5 13/18 14/15 14/18 14/19 14/22 14/23 15/1 15/2 15/5 15/5 17/21 18/1 18/7 18/24 20/25 24/12 33/9 54/18 58/21 66/25 98/4 98/7 104/11</p> <p>using [20] 10/11 10/12 10/16 15/8 17/13 24/20 28/5 28/12 42/8 48/13 48/20 54/21 73/22 76/18 76/20 76/24 77/1 95/24 96/21 98/1</p> <p>usual [4] 17/17 75/14 75/15 75/18</p> <p>usually [2] 17/21 18/18</p>	<p>V</p> <p>varices [3] 40/6 40/14 50/19</p> <p>various [1] 94/2</p> <p>very [47] 1/17 1/19 7/25 9/5 13/17 15/16 23/12 23/15 28/13 28/14 28/17 34/1 35/14 37/21 37/23 42/11 44/25 45/2 45/12 45/16 45/19 46/1 54/23 54/25 56/16 61/6 63/5 64/7 83/20 84/19 89/18 91/12 93/4 96/13 96/16 96/24 98/17 99/7 100/6 100/16 100/20 100/25 101/3 101/8 101/18 101/19 101/19</p> <p>vial [1] 65/11</p> <p>vials [1] 65/8</p> <p>view [5] 26/3 26/18 73/17 92/25 100/20</p> <p>views [3] 38/6 66/5 66/6</p> <p>VIII [28] 9/17 9/25 10/4 12/16 12/22 13/2 13/9 13/14 14/18 14/23 15/4 15/8 17/24 23/11 30/4 31/8 35/19 36/7 42/4 48/25 53/17 53/21 54/3 56/5 57/25 68/8 70/8 73/9</p> <p>viral [4] 18/16 65/2 65/11 65/17</p> <p>virology [1] 25/16</p>
---	--	--	--

<p>V</p> <p>virtual [1] 5/15</p> <p>virus [2] 30/8 37/25</p> <p>viruses [6] 26/1 26/15 41/21 50/21 65/12 93/3</p> <p>visits [4] 87/8 87/10 87/13 87/17</p> <p>voice [1] 55/2</p> <p>volume [1] 55/3</p> <p>volunteer [1] 18/14</p> <p>von [10] 7/8 14/14 18/17 42/2 53/23 54/20 54/22 56/9 75/10 80/9</p> <p>von Willebrand's [10] 7/8 14/14 18/17 42/2 53/23 54/20 54/22 56/9 75/10 80/9</p>	<p>55/15 57/20 57/22 72/4 92/5 92/13 101/23</p> <p>we've [15] 7/5 9/22 11/5 12/5 14/12 14/13 17/25 46/14 62/4 75/4 78/16 79/24 86/14 95/20 101/5</p> <p>wearing [2] 1/20 1/21</p> <p>Wednesday [5] 1/8 102/2 102/8 104/15 104/17</p> <p>week [1] 103/17</p> <p>weekend [1] 1/6</p> <p>weekly [2] 65/9 66/24</p> <p>weeks [2] 42/3 104/4</p> <p>welcome [1] 103/3</p> <p>well [33] 1/19 5/3 6/13 7/15 8/11 8/15 8/18 10/13 11/9 24/10 28/3 31/13 35/14 40/23 41/23 44/5 44/23 45/19 54/5 54/25 59/12 61/6 63/21 68/14 72/21 88/17 90/20 91/2 93/4 94/25 99/7 100/19 101/3</p> <p>wellbeing [1] 103/23</p> <p>were [127]</p> <p>weren't [1] 5/22</p> <p>what [87] 1/4 1/9 2/2 5/1 5/8 10/14 11/18 17/17 17/21 18/10 18/18 19/10 20/1 22/9 23/10 27/25 28/15 28/15 29/1 30/22 32/18 32/18 33/8 33/9 33/10 35/1 35/7 36/18 38/4 38/12 38/23 43/1 43/6 43/8 43/15 43/19 46/21 47/12 52/1 55/17 56/11 57/6 57/9 58/4 59/8 60/5 63/1 64/22 68/15 69/9 70/20 71/8 71/16 72/23 76/10 76/13 77/1 77/15 78/21 81/21 82/2 85/4 85/5 85/10 85/12 85/13 87/2 87/3 87/16 88/5 90/19 93/18 94/1 94/9 94/22 95/10 96/3 96/6 96/11 99/21 99/22 99/24 100/25 101/2 102/14 102/17 104/2</p> <p>What's [5] 53/4 74/20 83/7 86/20 94/18</p> <p>whatever [1] 22/20</p> <p>when [43] 2/8 2/21 2/25 3/2 3/14 3/16 3/19 4/24 5/8 5/21 6/9 7/20 19/6 23/25 24/11</p>	<p>24/18 25/13 25/18 26/8 43/13 46/20 56/23 65/7 66/14 66/17 66/19 71/13 74/6 78/4 78/6 78/6 79/22 80/2 82/9 82/13 83/11 84/22 86/7 89/19 89/20 97/18 97/21 104/6</p> <p>where [11] 2/19 10/24 16/18 32/7 47/20 51/16 52/15 57/15 58/24 92/4 93/25</p> <p>Whereabouts [1] 32/7</p> <p>whereas [1] 59/10</p> <p>whether [12] 7/7 8/12 9/2 16/9 19/16 19/21 24/2 25/11 43/22 73/22 76/15 78/7</p> <p>which [31] 3/25 7/22 11/17 16/5 16/5 16/7 21/24 34/8 36/4 37/9 42/21 44/9 47/1 58/21 60/21 63/20 64/7 68/7 71/3 71/4 71/6 71/10 71/13 71/14 84/13 87/18 93/18 93/21 96/17 97/10 102/7</p> <p>while [2] 11/11 41/22</p> <p>whilst [4] 2/23 47/10 65/1 80/16</p> <p>who [29] 1/22 5/5 16/25 18/4 18/5 19/12 19/18 31/21 33/14 33/15 44/9 50/15 57/9 59/3 64/5 70/14 92/25 96/16 97/9 97/25 99/3 99/15 100/14 102/4 102/12 102/13 103/18 104/1 104/14</p> <p>whole [1] 20/11</p> <p>whom [1] 104/12</p> <p>why [19] 24/15 25/21 48/16 48/16 48/23 52/9 52/12 52/16 54/20 56/7 56/17 56/20 63/22 69/12 92/20 92/22 94/17 94/19 94/20</p> <p>wide [3] 30/4 34/12 34/16</p> <p>widely [1] 13/15</p> <p>wife [6] 2/9 6/18 9/2 44/13 99/5 100/22</p> <p>wife's [2] 38/17 49/22</p> <p>will [29] 1/5 2/1 5/9 27/14 29/6 41/4 43/15 45/10 45/23 47/14 49/19 51/6 65/2 68/19 84/23 84/24 90/18 102/13 102/17 102/21 102/22 102/23 102/25</p>	<p>103/2 103/15 103/25 104/2 104/5 104/8</p> <p>Willebrand's [10] 7/8 14/14 18/17 42/2 53/23 54/20 54/22 56/9 75/10 80/9</p> <p>wine [1] 34/4</p> <p>Winfield [2] 69/12 69/13</p> <p>wish [3] 46/10 93/6 103/6</p> <p>wishes [1] 104/1</p> <p>with [136]</p> <p>withdrew [2] 96/18 97/2</p> <p>within [3] 25/1 50/24 51/19</p> <p>without [1] 36/5</p> <p>witness [6] 38/3 44/9 78/14 80/4 93/14 103/9</p> <p>witnesses [4] 36/11 44/2 102/24 104/5</p> <p>wives [1] 79/10</p> <p>Woah [1] 36/22</p> <p>woman [2] 27/19 100/20</p> <p>women [2] 64/4 64/11</p> <p>won't [4] 1/19 15/11 101/1 102/1</p> <p>wonder [1] 43/22</p> <p>wondered [2] 8/12 24/15</p> <p>wondering [2] 1/4 102/13</p> <p>word [1] 46/9</p> <p>words [2] 16/6 58/4</p> <p>work [8] 29/19 36/17 36/20 40/15 40/20 86/4 99/1 102/20</p> <p>worked [4] 2/15 5/5 16/25 55/16</p> <p>working [10] 3/13 4/14 4/15 4/25 17/4 25/16 28/17 38/20 38/25 63/16</p> <p>works [1] 47/21</p> <p>worry [16] 4/2 6/19 7/1 9/3 36/23 43/4 52/18 73/10 85/17 85/19 85/25 86/13 87/1 93/8 93/12 98/19</p> <p>worse [2] 45/6 45/17 15/15 16/13 17/17 17/19 17/21 17/22 17/22 17/23 18/4 18/5 18/6 18/10 18/18 18/21 18/21 18/22 19/11 20/24 21/7 23/7 24/11 25/21 43/12 43/22 43/25 47/13</p>	<p>52/11 59/2 59/4 59/6 62/10 65/12 71/5 73/13 74/11 75/25 90/13 90/15 90/16 90/17 99/21 100/9 100/22 102/5 103/18</p> <p>wouldn't [3] 65/11 90/12 90/24</p> <p>wow [2] 94/22 94/22</p> <p>write [1] 43/1</p> <p>writings [1] 52/21</p> <p>written [4] 19/13 31/18 41/14 53/15</p> <p>wrong [4] 47/11 57/20 68/21 88/9</p> <p>wrote [2] 49/19 54/14</p>	<p>YouTube [1] 103/16</p> <p>Z</p> <p>zoom [5] 36/25 53/13 68/1 69/16 70/2</p> <p>Zuckerman [2] 25/17 69/2</p>
<p>W</p> <p>wait [11] 21/23 31/25 37/7 45/23 52/14 61/3 61/23 69/20 78/12 90/20 102/21</p> <p>waiting [1] 102/19</p> <p>Walford [1] 72/12</p> <p>want [16] 1/25 11/17 21/12 21/24 22/9 26/24 32/8 44/21 50/12 51/15 53/3 57/3 60/5 63/10 74/15 90/10</p> <p>wanted [9] 7/12 26/17 29/1 32/2 32/5 32/17 57/8 80/15 94/3</p> <p>wants [1] 11/18</p> <p>ward [12] 5/16 5/17 7/14 7/19 7/20 7/23 7/23 7/25 8/2 8/2 8/5 8/6</p> <p>warning [1] 44/7</p> <p>warrant [1] 73/16</p> <p>was [196]</p> <p>wasn't [4] 6/10 7/25 19/21 24/20</p> <p>watching [2] 102/12 103/19</p> <p>way [5] 6/2 38/16 60/22 62/5 75/5</p> <p>ways [1] 37/25</p> <p>we [183]</p> <p>we'd [1] 91/4</p> <p>we'll [19] 6/13 11/9 11/11 13/25 24/24 35/22 41/3 44/3 44/4 46/23 46/24 47/18 47/21 49/18 55/16 78/17 91/8 91/8 92/2</p> <p>we're [12] 1/24 8/8 38/15 48/4 55/14</p>	<p>7/15 8/11 8/15 8/18 10/13 11/9 24/10 28/3 31/13 35/14 40/23 41/23 44/5 44/23 45/19 54/5 54/25 59/12 61/6 63/21 68/14 72/21 88/17 90/20 91/2 93/4 94/25 99/7 100/19 101/3</p> <p>wellbeing [1] 103/23</p> <p>were [127]</p> <p>weren't [1] 5/22</p> <p>what [87] 1/4 1/9 2/2 5/1 5/8 10/14 11/18 17/17 17/21 18/10 18/18 19/10 20/1 22/9 23/10 27/25 28/15 28/15 29/1 30/22 32/18 32/18 33/8 33/9 33/10 35/1 35/7 36/18 38/4 38/12 38/23 43/1 43/6 43/8 43/15 43/19 46/21 47/12 52/1 55/17 56/11 57/6 57/9 58/4 59/8 60/5 63/1 64/22 68/15 69/9 70/20 71/8 71/16 72/23 76/10 76/13 77/1 77/15 78/21 81/21 82/2 85/4 85/5 85/10 85/12 85/13 87/2 87/3 87/16 88/5 90/19 93/18 94/1 94/9 94/22 95/10 96/3 96/6 96/11 99/21 99/22 99/24 100/25 101/2 102/14 102/17 104/2</p> <p>What's [5] 53/4 74/20 83/7 86/20 94/18</p> <p>whatever [1] 22/20</p> <p>when [43] 2/8 2/21 2/25 3/2 3/14 3/16 3/19 4/24 5/8 5/21 6/9 7/20 19/6 23/25 24/11</p>	<p>11/17 16/5 16/5 16/7 21/24 34/8 36/4 37/9 42/21 44/9 47/1 58/21 60/21 63/20 64/7 68/7 71/3 71/4 71/6 71/10 71/13 71/14 84/13 87/18 93/18 93/21 96/17 97/10 102/7</p> <p>while [2] 11/11 41/22</p> <p>whilst [4] 2/23 47/10 65/1 80/16</p> <p>who [29] 1/22 5/5 16/25 18/4 18/5 19/12 19/18 31/21 33/14 33/15 44/9 50/15 57/9 59/3 64/5 70/14 92/25 96/16 97/9 97/25 99/3 99/15 100/14 102/4 102/12 102/13 103/18 104/1 104/14</p> <p>whole [1] 20/11</p> <p>whom [1] 104/12</p> <p>why [19] 24/15 25/21 48/16 48/16 48/23 52/9 52/12 52/16 54/20 56/7 56/17 56/20 63/22 69/12 92/20 92/22 94/17 94/19 94/20</p> <p>wide [3] 30/4 34/12 34/16</p> <p>widely [1] 13/15</p> <p>wife [6] 2/9 6/18 9/2 44/13 99/5 100/22</p> <p>wife's [2] 38/17 49/22</p> <p>will [29] 1/5 2/1 5/9 27/14 29/6 41/4 43/15 45/10 45/23 47/14 49/19 51/6 65/2 68/19 84/23 84/24 90/18 102/13 102/17 102/21 102/22 102/23 102/25</p>	<p>103/9</p> <p>witnesses [4] 36/11 44/2 102/24 104/5</p> <p>wives [1] 79/10</p> <p>Woah [1] 36/22</p> <p>woman [2] 27/19 100/20</p> <p>women [2] 64/4 64/11</p> <p>won't [4] 1/19 15/11 101/1 102/1</p> <p>wonder [1] 43/22</p> <p>wondered [2] 8/12 24/15</p> <p>wondering [2] 1/4 102/13</p> <p>word [1] 46/9</p> <p>words [2] 16/6 58/4</p> <p>work [8] 29/19 36/17 36/20 40/15 40/20 86/4 99/1 102/20</p> <p>worked [4] 2/15 5/5 16/25 55/16</p> <p>working [10] 3/13 4/14 4/15 4/25 17/4 25/16 28/17 38/20 38/25 63/16</p> <p>works [1] 47/21</p> <p>worry [16] 4/2 6/19 7/1 9/3 36/23 43/4 52/18 73/10 85/17 85/19 85/25 86/13 87/1 93/8 93/12 98/19</p> <p>worse [2] 45/6 45/17 15/15 16/13 17/17 17/19 17/21 17/22 17/22 17/23 18/4 18/5 18/6 18/10 18/18 18/21 18/21 18/22 19/11 20/24 21/7 23/7 24/11 25/21 43/12 43/22 43/25 47/13</p>	<p>Y</p> <p>yeah [13] 14/10 18/15 22/17 27/24 52/24 53/6 61/3 66/20 69/20 73/5 87/5 87/24 99/14</p> <p>year [17] 3/19 9/14 9/20 9/23 11/24 14/13 14/24 42/2 50/14 68/7 71/13 71/14 71/15 84/9 94/9 94/16 94/20</p> <p>years [11] 2/16 4/14 5/5 42/17 50/24 51/10 51/19 99/2 99/10 99/13 102/19</p> <p>yes [186]</p> <p>yet [2] 14/3 73/15</p> <p>York [1] 70/13</p> <p>you [626]</p> <p>you'd [4] 4/7 41/8 43/10 103/20</p> <p>you'll [2] 70/2 70/19</p> <p>you're [25] 4/22 5/1 11/23 13/8 14/4 15/8 23/16 45/14 45/21 55/10 56/11 56/20 57/6 60/20 68/25 76/15 80/16 83/7 87/23 88/23 93/22 93/22 93/23 94/1 100/19</p> <p>you've [25] 2/7 13/18 13/19 16/4 17/5 19/20 22/2 25/1 27/9 32/15 40/13 45/1 46/21 48/6 50/2 54/25 72/3 78/24 79/18 88/21 93/2 100/25 101/4 101/9 101/18</p> <p>young [4] 62/16 62/20 62/21 70/13</p> <p>younger [1] 62/25</p> <p>youngest [1] 70/7</p> <p>your [130]</p> <p>yourself [3] 20/13 24/8 50/9</p>	<p>YouTube [1] 103/16</p> <p>Z</p> <p>zoom [5] 36/25 53/13 68/1 69/16 70/2</p> <p>Zuckerman [2] 25/17 69/2</p>