

PAPER

“Our people has got to come to terms with that”: changing perceptions of the digital rectal examination as a barrier to prostate cancer diagnosis in African-Caribbean men

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Abstract

Objective African-Caribbean men in the United Kingdom in comparison with other ethnicities have the highest incidence rate of prostate cancer. Psychosocial aspects related to screening and presentation impact on men's behavior, with previous studies indicating a range of barriers. This study explores one such barrier, the digital rectal examination (DRE), due to its prominence within UK African-Caribbean men's accounts.

Methods African-Caribbean men with prostate cancer ($n = 10$) and without cancer ($n = 10$) were interviewed about their perceptions of DRE. A synthetic discursive approach was employed to analyze the data.

Results Findings illustrate that an interpretative repertoire of homophobia in relation to the DRE is constructed as having an impact upon African-Caribbean men's uptake of prostate cancer screening. However, the discursive focus on footing and accountability highlight deviations from this repertoire that are built up as pragmatic and orient to changing perceptions within the community.

Conclusions Health promotion interventions need to address the fear of homophobia and are best designed in collaboration with the community.

KEYWORDS

African-Caribbean, barrier, cancer, oncology, prostate

1 | BACKGROUND

Prostate cancer (PC) affects more than 40 000 men in the United Kingdom each year, of whom around 10 800 die from the disease per year, making this type of cancer the second most common cause of cancer deaths in men.¹ Black men compared with White men have a 3-fold relative risk for PC.² African-Caribbean men in the United Kingdom in comparison with other ethnicities have the highest incidence rate of PC.³ The age-adjusted incidence rate for African-Caribbean men is 173 per 100 000 in comparison with 56.4 per 100 000 for White men.⁴ Furthermore, African-Caribbean men with a family history of PC are at higher risk.⁵ This represents a serious health inequality that needs investigating.

Knowledge and awareness of PC increase the likelihood of attendance at general practitioner surgeries for screening.⁶ However, a recent UK study found that while Black and White men had similar

levels of knowledge about PC risks, 20% of White men had been tested for PC in comparison with only 5% of Black men.⁷ Therefore, it is likely that mortality rates are also a consequence of psychosocial aspects related to screening and presentation.⁸ Evidence collated from studies investigating the perceptions of PC in African-Caribbean men revealed that treatments for PC and trust/mistrust of health care services are likely to impact greatly on early/late presentation with the disease.⁹

Other research indicates that the digital rectal examination (DRE) is a significant barrier for some men. For example, in an American survey of 13 580 men undergoing prostate-specific antigen, only 78% indicated that they would be willing to also undertake DRE testing.¹⁰ Similarly, lower levels of DRE screening were found in younger African-American, Haitian, Puerto Rican, and Eastern European men in comparison with White men.¹¹ It is likely that fear is a factor in the low uptake in DRE screening; thus, lowering the fear levels would improve screening frequency.¹¹ A further American study of 533 men

supported this difference, finding that African-American, Jamaican, and Trinidadian/Tobagonian men undergo DRE less often, were more concerned about PC, and had higher screening fear scores than US born White men.¹²

Only a few qualitative pieces of research have attempted to explore barriers to screening uptake. One American-based study¹³ employed 4 focus groups to examine African-American men's prostate screening behavior. Men held a number of negative views surrounding screening: emotional stress about tests, decreased quality of life, humiliation and feeling violated by DRE, and the potential impact on their sex life. A further qualitative study of African-American men¹⁴ conducted 4 focus groups with healthy men, 2 focus groups with PC survivors, and 14 interviews with key community informants. Participants raised issues about inadequate access to health services (due to lack of insurance), mistrust of the health system, and poor relationships or communication between patients and medical providers. Other issues that impacted on health behavior were pride in maintaining their own health, and perceived threats to sexuality, both acting as major barriers to screening and also to receiving prostate care.

In the United Kingdom a qualitative study of 16 first generation African-Caribbean men ($n = 15$ from Jamaica) considered their experiences of the disease and participants' perceptions of the services they received. Barriers to earlier presentation included a fear of cancer and, again, of DRE.¹⁵ A further UK study with 7 African and African-Caribbean men found that men feared PC and its effect on relationships in terms of developing erectile dysfunction. Two participants spoke up about fears of testing saying that, while intrusive, it was a "necessary evil."¹⁶

The above studies have made some progress in outlining the reasons why Black men may delay seeking help when they are ill. Fears surrounding the DRE appear salient across both quantitative and qualitative studies in samples from the United States and the United Kingdom. However, these studies present a limited focus on this particular issue. DRE was identified as a key barrier in the current qualitative study, and thus, it is explored in more detail in this paper. Furthermore, the study focuses on African-Caribbean men in the United Kingdom in light of the limited research from men in this vicinity. A discursive approach is employed in order to consider the ways in which African-Caribbean men situate themselves within wider discourses.

2 | METHODS

The findings from this study represent 1 analytic aspect of a research project that aimed to contribute to a better understanding of the poor prognostic outcomes for PC in UK African-Caribbean men, with the end goal of producing a health promotion mobile application.

2.1 | Participants

The wider study was designed to incorporate both African-Caribbean men with PC ($n = 10$) and without cancer ($n = 10$) to gain an understanding of the barriers for those directly affected but also those who might be affected in the future. The study explored men's

knowledge and understanding about PC, the barriers to screening, and their experience and treatment of PC where relevant. The 2 sets of participants were not treated as comparison groups; rather, their input on issues was treated as equally valid to the goals of the wider study and to the current study. Opportunist recruitment of participants to the study was conducted by members of the African-Caribbean community (BME Cancer Communities and a PC support group) who were included in every aspect of the research process. The advantage to this type of recruitment was that the White middle-class interviewer was able to contact "hard to reach," or "seldom heard," voices of African-Caribbean men.

2.2 | Procedure

The project received ethical clearance via the relevant University ethics committee; invitations were sent out to African-Caribbean men with and without PC. Details of who took part in the study are as follows:

Participant Details

Men without prostate cancer		
Pseudonym	Country of origin	Age at interview (years)
Gregory	England (Jamaican parents)	53
Leroy	Jamaica	58
Don	Jamaica	79
Herbert	Jamaica	73
Jermain	Jamaica	63
Derek	Jamaica	68
Clement	Jamaica	63
Jordan	Jamaica	79
Delroy	England (Jamaican parents)	35
Sean	England (Jamaican parents)	30

Men with prostate cancer				
Pseudonym	Country of Origin	Age at interview (years)	Age diagnosed (years)	Treatment
George	Jamaica	83	82	Radical prostatectomy
Joel	Jamaica	63	57	Radical prostatectomy
Alex	Jamaica	65	62	Hormone therapy
Jack	Trinidad	68	61	Radical prostatectomy
Sam	Jamaica	60	53	Radical prostatectomy
Glenmore	Jamaica	79	59	Radical prostatectomy
Cleave	Jamaica	77	74	Hormone therapy
Dwayne	England (Jamaican parents)	59	56	Radical prostatectomy
Paul	Jamaica	61	57	Watchful waiting
Calvin	Saint Kitts	72	67	Radical prostatectomy

Semistructured interviews were conducted and transcribed using a Jefferson style transcription method (see appendix for details) in order to capture the nuances of the interaction. The data files were shared with a member of BME Cancer Communities in order to allow a transparent process with the community.

A synthetic discursive approach¹⁹ was used to analyze the data as they are best suited to exploring both broader and local orientations. The first stage of analysis involved mapping out any interpretative repertoires^{17–19}; these are recognizable arguments,

3.1 | Interpretative repertoire: homophobia and the digital rectal examination

Across the interviews it became apparent that there was a taken-for-granted understanding that DRE was a key barrier to help-seeking. This section outlines an interpretative repertoire about these fears stemming from homophobia. The first extract highlights this knowledge in a covert manner, which places more emphasis on the interviewer pursuing further explanation.

Clement (Man Without Prostate Cancer)

- 1 Sarah what do you think might stop men from (.) seeking help about
 2 symptoms with prostate cancer?
 3 Clement erm (.) I think the the er the thought of erm (5) er er I think
 4 the erm the thought of it's [knocks table] (.) it's a more or
 5 less a sexual thing isn't it?
 6 Sarah yeah what uh the the digital rectal exams and stuff[like that?
 7 Clement [yeah it's
 8 erm heh heh
 9 Sarah he heh heh
 [lines omitted]
 10 Sarah and it is that fear that you might be link (.)that it might be
 11 sort of about your sexuality
 12 Clement yeah I think (.) I think that's mainly it really it it'[s
 13 Sarah [yes
 14 Clement personal isn't it?

descriptions, and evaluations found in people's talk. Interpretative repertoires are "what everyone knows." Indeed, the collectively shared social consensus behind an interpretative repertoire is often so established and familiar that only a fragment of the argumentative chain needs to be formulated in talk to form an adequate basis for the participants to jointly recognize the version of the world that is developing. Typically, interpretative repertoires also set up "subject positions." Story lines provide us with a position to speak from, and they allow the positioning of others as characters with roles and rights. Of particular relevance is the insight that "one speaker can position others by adopting a story line which incorporates a particular interpretation of cultural stereotypes to which they are 'invited' to conform,"²⁰ (p 54). Thus, the second analytic stage involved paying attention to the positions afforded within the interaction. Insights from conversation analysis concerning the sequential unfolding of talk²¹ are also considered in order to ground observations in the details of the interaction.

The use of interviews is critiqued within discursive psychology.^{22,23} Therefore, during the analysis the interviewer is treated as a coparticipant and attention is paid to the way that her contributions impact on the interaction. The analysis that follows is necessarily restricted to observations relevant to the argument developed due to space restrictions.

3 | RESULTS

The first analytic section focuses on the orientation to an interpretative repertoire of homophobia linked to the DRE.

Clement constructs a barrier as being "more or less a sexual thing." However, this is ambiguous and produced in a way that is hedged (note the repetition of "I think," the long silence, and the tag question "isn't it?"). As a consequence, after an initial positive receipt, the interviewer pursues further explanations via 2 candidate answers²⁴: firstly making a link to the DRE (lines 6) and then to sexuality (lines 10 and 11). Offering a candidate an answer is useful when the cointeractant appears to be having difficulty giving a satisfactory answer without a model.²⁵ However, the interviewer also orientates to Clement's epistemic knowledge²⁶ in the way she hedges these constructions (displayed via the questioning intonation in line 6, and the repaired formulation in line 10, and with the hedging "it might be sort of" in lines 10 and 11).

This repertoire is oriented more overtly in the next 2 extracts. However, it should be noted that these interactions are co-constructed with Sarah (who arguably has more power as the interviewer), offering her own formulations at times. For example, the way that Sarah designs her turn in line 1 of extract 2 (albeit with the insertion of "probably") makes it hard for Delroy to disagree. Similarly, prior to extract 3, Alex constructed macho pride as being a barrier to men seeking help, which led to a discussion about the DRE and homosexuality.

In extract 2, Delroy accepts the interviewer's account and upgrades it to being "the crux" of the matter but hedges this with "probably." While Delroy constructs DRE as being problematic for "most men," he marks out the "Afro-Caribbean community" as being more troubled by links to homosexuality. Delroy speculates with the use of a 3-part list²⁷ that African-Caribbean men are socialized to believing that their anal passage should not be "touched" or "probed" or "anything like that." Similarly, Alex (extract 3) constructs a link

Delroy (Man Without Prostate Cancer)

1 Sarah that is I think the the worst [probably one associated with it
 2 Delroy [I I think that that's
 3 the crux of the (.1) issue probably=
 4 Sarah =yeah yea:h
 3 Delroy erm sadly (.2) well I I think (.) you know typically most men
 4 would not (.) think ooh good I'm gonna go and have=
 5 Sarah =I know heh heh heh
 6 Delroy that erm (.) but I think with the Afro-Caribbean community
 7 there's still (.) erm (0.1) real issues around things like
 8 homosexuality and (.)
 9 Sarah that's what I'm finding
 10 Delroy and that (.) that somehow even though it's this is a not
 11 surgical
 11 Sarah yea:h
 12 Delroy even though it's a
 13 Sarah a medical
 14 Delroy a medical [procedure
 15 Sarah [pro [yeah
 16 Delroy and there's no question or suggestion=
 19 Sarah =yeah
 20 Delroy of it being anything to do with (.) you know being related to
 21 sexual orientation it just (.)
 22 Sarah it hi (.) y[eah
 23 Delroy [yeah perhaps Afro-Caribbean men socialised into just
 24 thinking you know that is not something to be (.)
 25 Sarah YEAH
 26 Delroy (£) touched or
 27 Sarah (£) yeah
 28 Delroy (£) or you [know probed o[r
 29 Sarah [th [that's right
 30 Delroy (£) anything like that
 28 Sarah that's what it seems to be yeah

Alex (Man With Prostate Cancer)

1 Alex the black community and communities erm are (.) are not so (.)
 2 so ready to accept (.) er like homosexuality
 4 Sarah yeah
 5 Alex as other communities=
 6 Sarah =I know
 7 Alex like the Caucasian you know=
 8 Sarah =yeah yeah
 9 Alex er the (.) I think the Bible has influenced us along that way
 10 there's different reasons for that
 11 Sarah ye:ah
 12 Alex but it it's it's not something that er we as a people if I
 13 include myself are kind of happy to to (.) think
 14 Sarah yeah
 15 Alex think like that so therefore anything you know any insertions
 16 like that is is then going to be seen as as a bit odd
 17 Sarah yeah yeah
 18 Alex er and (.) and resisted

between black communities' reluctance to accept homosexuality to the DRE via a discussion of "insertions" being viewed as "a bit odd ... and resisted."

Sarah displays her alignment and epistemic knowledge to the unfolding discussion regarding the repertoire (eg, extract 2, lines 5, 9, and 28; extract 3, line 6). Despite this, orientations to the socially delicate management of such a topic²⁸ are displayed via the laughter (extract 2, line 5) and smiley voices (extract 2, lines 26-30) during these constructions.

3.2 | Positioning and accountability

This section considers how participants position and account for their actions in relation to the interpretative repertoire identified above.

Derek constructs Caribbean men, particularly Jamaican and the older generation, as prone to not wanting the DRE. The shared laughter at lines 1 and 2 is due to Derek's Jamaican origins, which is supported by the switch in footing²⁹ from men to "we" in line 3. Derek thus switches footing at a point that places him within this framework

Derek (Man Without Prostate Cancer)

- 1 Derek Caribbean and possibly† particularly Jamaican heh heh
 2 Sarah heh heh heh
 3 Derek heh Jamaican men are very erm (.) we are very sens (.)
 [lines omitted while participant discusses the long duration of time spent
 in England to account for his departure from cultural thinking]
 4 Derek but those things that the culture is still=
 5 Sarah =still [in you
 6 Derek [kinda present where you think hmm I don't really want a
 7 doctor to be examining my (.) you know my[back bottom
 8 Sarah [yeah yeah yeah
 9 Derek you know it's (.) [it's you know
 10 Sarah [it's just one of those things isn't it
 11 Derek there's no other way you can say it
 12 Sarah I know
 18 Derek but it's that we (.) have got
 19 Sarah that fear of that=
 20 Derek =a lot of Jamaican men kind of have got that here and there
 21 Sarah WHY† (.) so why do you think it (.) because I think
 22 white men (.) have that fear as well but why† why do you
 23 think it's more (.) Jamaican (.) sort of issue?
 23 Derek well hmm okay heh heh
 24 Sarah heh heh heh 'cos it (.) it's useful for me know that (.) to know
 25 how to overcome it
 26 Derek erm it's (0.2) I think it's an (.) it's it's (0.1) it's not as
 27 prevalent as back in the (.) erm (.) how can I say back in
 28 the (.) the the past generations [if you like
 29 Sarah [yeah yeah
 30 Derek it's not as erm it's it's kind of erm:m it's getting(0.1)
 31 we're we're becoming more er::m erm:mmm(0.2) less homophobic
 32 Sarah okay (.) that's good (f)
 33 Derek I think that's the word
 34 Sarah so do think that's what it is [all about tha:at
 35 Derek [yeah yes(.) yes
 36 Ja Jamaica unfortunately
 37 Sarah has got that stig[ma:a that of
 38 Derek [has got the homophobia is it's a thing
 39 Sarah yeah
 40 Derek (.) men do not
 41 Sarah do that
 42 Derek you don't play [with another man
 43 Sarah [yeah yeah=
 44 Derek =you know what I'm saying
 45 Sarah yeah no (.) [no I get that
 46 Derek [so even (.) even a doctor
 47 Sarah it's stil[l
 48 Derek [even though [it's a doctor
 49 Sarah [seen as (.) yeah yeah
 50 Derek we have in the past (.) not really been erm (.) erm willing
 51 Sarah yeah=
 52 Derek =to allow a doctor [to examine certain parts of your
 54 Sarah [ok yeah
 55 Derek your body
 56 Sarah yeah no I understand that
 57 Derek and (.) and that is it (.) it's kind of taboo
 58 Sarah yeah(.)
 59 Derek I think a man does not you know erm [do that to another man
 60 Sarah [do

of thinking. However, Sarah's completion of his turn at line 5 is qualified with Derek's "kinda present." Derek's footing moves to a more generic footing of "you think" before using active voicing to orient to the repertoire (lines 6 and 7). Sarah orients to fear regarding the DRE (line 19). However, Derek's positive receipt is noticeably latched to

Sarah's construction, displaying an alignment (though note the hedged "kind of" and "here and there"). When pressed by the interviewer to explain this further, Derek makes links to homophobia, with Jamaican men viewing contact "in certain parts of your body" as "taboo." Again, in line 31, Derek switches footing to "we" to construct Caribbean men

as “less homophobic,” then later to “Jamaica” (line 36), “men” (line 40), and “you” (line 42).

One problem inherent in research interviews that links to this discussion of footing is whether participants are speaking as an individual or as a category member.²² The difficulty for Derek is that the tasks set by the interviewer incorporate both of these positions. Sarah asks Derek to provide an explanation of the phenomena as an individual, “why do you think” (line 21) and as a category member of the Jamaican community (line 23), making him accountable on both fronts. Furthermore, Derek’s identity is also at stake here^{30,31}—if he positions himself as part of this problem, then his identity is “troubled.”¹⁹ The interviewer’s footing is also tricky—Sarah’s style of interviewing is not neutral, and her footing and co-constructions demonstrate this. Part of this is arguably about developing a rapport and managing these socially delicate discussions.

Footing is also relevant to the way men with PC manage their identities—how do they account for “breaking” this barrier?

Jack (Man With Prostate Cancer)

- 1 Jack and he said I can (.) do that now (.)for you and I said well
- 2 how do you do it? and he said well it’s going into your rectum
- 3 and I just (.) my view is (.) if that is what needs to be done
- 4 Sarah yeah
- 5 Jack then get on with it
- 6 Sarah yeah
- 7 Jack if you have another option available
- 8 Sarah then [you’d go for that yeah heh heh heh
- 9 Jack [then you tell me about it £ but you’re saying to me
- 10 there’s a possibility of cancer (.) it is something that can
- 11 kill you
- 12 Sarah yeah
- 13 Jack if you allow me to (0.1) diagnose it and that is the method I
- 14 am going to use=
- 15 Sarah =yeah
- 16 Jack then (.) erm I can cure you
- 17 Sarah yeah
- 18 Jack I can get you onto the path of being cured
- 19 Sarah yeah
- 20 Jack so I was very pragmatic about that and it’s not the first time
- [lines omitted while Jack discusses another instance of DRE]
- 21 Jack and I think our people (.) has got to come terms with that
- 22 Sarah yeah
- 23 Jack we have got to accept that(.) if we want to get better (.) that
- 24 is the method that they’re using

Both Jack and Joel formulate conversations that they had with their doctor. Invoking their doctor is possibly a means of protecting their African-Caribbean masculine identities—the reference to bottom-line arguments around death (extract 5, lines 16–18; extract 6, lines 23–24) protects their identities as men who have had the DRE. Indeed, studies of men’s health highlight how hegemonic masculinity can impact negatively on men’s health behavior in that they are supposed to act stoically, thus seeking help is not viewed as “manly.”^{33,34} Research has also argued that protecting men’s masculine identity is a key issue in overcoming barriers to health care.^{35,36} Both Jack and Joel digress from the cultural associations with DRE that are problematic, and manage a position for themselves as pragmatic through reference to medical authority and potential death.

4 | CONCLUSIONS

An interpretative repertoire of cultural homophobic beliefs permeates the way that DRE is viewed as a potential stigma, which in turn is constructed as a barrier to diagnosis. The taken-for-granted way that this issue is oriented to by the participants (including the interviewer) displays the power that it holds over these men. However, the discursive approach taken in this paper also demonstrates the way that participants negotiated their position within this repertoire, highlighting an understanding that such behavior was damaging to their health and needed to be addressed within the community. Attention to footing and accountability also demonstrate how 2 of the men with PC constructed a pragmatic position for themselves. To overcome any potential stigma associated with transgressing cultural norms associated with DRE, the men typically invoked the voices of general practitioners who sanctioned their behavior, potentially alleviating any criticism of their masculine African-Caribbean identity.

The implications of the study are that health promotion interventions targeting this health inequality need to address the fear of homophobia in this population. No discussion about the sex of the doctor was sought; however, it may be that the offer of a female doctor could lessen fears about homophobia. Researchers have stressed the need for the development and evaluation of carefully designed interventions, which will allow Black and Minority Ethnic groups to make informed decision making about PC.¹² BME Cancer Communities with their advice and the PC support group who were part of the advisory panel for this research, and the men in this study, argued that the best approach to overcoming fears associated with DRE were by talking openly and sympathetically about the issue with the aid of members of the community. Therefore, the research team utilized findings from

Joel (Man With Prostate Cancer)

1 Sarah so moving away from your particular experience what do you
 2 think might be the reasons why other men in your situation
 3 might dela:ay looking (.)you know se (.)er doing something
 4 about symptoms of prostate cancer
 5 Joel I think some men just embarrassed
 6 Sarah yeah
 7 Joel but then you know but you know they're touching your bum
 8 Sarah right
 9 Joel and [things like some men embarrassed
 10 Sarah [a lot of people have said that
 11 Joel a lot of black men like that
 12. Sarah I know the people have said that it's
 13 Joel yeah they do=
 14 Sarah = white men don't [like it either but people have
 15 Joel [yeah yeah I don't know about white men but
 16 a lot of black men like that
 17 Sarah yeah
 18 Joel you know what I mean (.) it just like that you know but it's
 19 not big deal?
 20 Sarah no if you have to do it don't you?=
 21 Joel =but I mean my doctor said to me when I had one he just like
 22 that (course Joel) no problem but we embarrassed just like that
 23 if he (.)if he didn't do that to me I wouldn't have been around
 24 today
 25 Sarah exactly it's worth it isn't it

this, and the wider study, to produce a mobile application (PROCEE) that was designed with key members of the community, including a local African-Caribbean actor who provided the voices, narrative, and characters within the app. The application provides PC information and evaluates risk based on embedded expert rules for reasoning with symptom data entered by users. During focus group evaluations, users emphasized that it can potentially have a positive impact on changing user behavior among high-risk men who are experiencing symptoms and who are reluctant to visit the doctor.³² The majority of men in this study constructed DRE as a barrier; however, a limitation of the study is that the views of the men may not be representative of all African-Caribbean men. The participants were an opportunity sample and were all of Jamaican origin with the exception of a man from Saint Kitts and a further from Trinidad. Future research and health promotion regarding PC and African-Caribbean men should continue, designing information at an even younger age group in order to dispel any cultural barriers.

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APPENDIX

Transcription notation

The form of notation used in the thesis is a simplified version of the transcription notation developed by Gail Jefferson.

- Extended square brackets mark overlap between utterances, eg,

A: [men overlapping utterances
B: [yeah
- An equal sign at the end of a speaker's utterance and at the start of the next utterance indicates the absence of a discernable gap, eg,

A: like I said before=
B: =when you mentioned
- Numbers in brackets indicate pause times to the nearest second. A full stop in brackets indicates a pause that is noticeable but too short to measure, eg,

A: he meant (2) that he felt (.) ill
- One or more colons indicate an extension of the preceding vowel sound, eg,

B: I was very anxious:s about it
- Underlining indicates that words are uttered with added emphasis, and words in capitals are uttered louder than the surrounding text, eg,

A: I sent him to see a doctor but he WOULD NOT go
- Laughing is indicated by the word "heh heh," eg,

B: I can't say why heh heh
- A question mark is used to indicate rising intonation, often when there is a question, eg,

A: what did he say that for?
- £ is used to represent a smiley voice.