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Evaluating the Feasibility and Usability of Bloodbased Abbott CheckNOW™ HIV SELF TEST among Men Who Have Sex with Men and Transgender Women in KwaZulu-Natal, South Africa: A Cross-Sectional Study



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Abstract:

Introduction: Key populations, particularly men who have sex with men and transgender women, face significant challenges in accessing HIV testing services in public health facilities, despite their availability. Lack or avoidance of HIV testing among these populations results in delayed diagnosis and increased HIV transmission risk. HIVST has emerged as a potential approach to increasing HIV testing uptake. This study evaluated the usability, feasibility, and acceptability of the CheckNOW $^{\text{\tiny TM}}$ HIV SELF TEST kit to inform public health strategies and policies aimed at enhancing HIV testing and linkage to care among these vulnerable populations.

Methods: A cross-sectional study using convenience sampling was conducted between February and April 2024 in two Kwa-Zulu Natal districts in South Africa. A sample of 250 men who have sex with men and transgender women aged 18 years of age and above was included in the study. Data were collected through a paper-based questionnaire exploring the feasibility and usability of the blood-based CheckNOW HIV Self-Test. Completed questionnaires were digitised into Epicollect. Data were analyzed using SPSS Version 29, employing descriptive statistics to assess overall usability and feasibility, and Cohen's coefficient of agreement to evaluate concordance between staff and participant test interpretations. Error occurrences were categorized as critical or non-critical to assess operational challenges.

Results: Of the 245 participants who completed the test, 89.3% (CI: 85.2-92.6%) found it easy to carry out the whole test, and 91.7% (CI: 87.7-94.7%) rated the test as acceptable. Additionally, 40.8% (CI: 34.8-47.1%) of participants were able to draw blood from the basin without generating bubbles, while 76.6% (CI: 71.7-82.6%) of participants found it easy to collect enough blood. Discussion: The study reported high usability and feasibility scores for the test; however, this evaluation revealed broader perspectives that offer room for improvement. This was achieved through the survey design, which investigated and identified points of confusion or hesitation, as well as any critical and non-critical errors made during the self-testing procedure.

Conclusion: The study findings support the notion that HIVST is highly usable, feasible, and acceptable, therefore informing its scale-up to help address a critical gap in the HIV prevention and treatment efforts among these key populations.

Keywords: HIV self testing, Abbott, MSM, TGW, South Africa, KZN province.

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1. INTRODUCTION

Sub-Saharan Africa (SSA) has the highest HIV infection rate, particularly among key populations, including MSM and transgender women, making the use of provider-initiated testing widely recommended [1, 2]. This recommendation, however, does not adequately account for the barriers these populations face to access HIV testing services, including HIV-related stigma, discrimination, privacy and confidentiality concerns, and logistical challenges [2-6]. Consequently, these populations avoid testing, leading to delayed diagnosis and increased transmission risk.

HIV Self-Testing (HIVST) has emerged as an effective approach to provide HIV testing services to unreached populations, therefore, overcoming these barriers while improving the testing uptake. This approach is recommended by the World Health Organization (WHO) as an additional effective testing method to use in public health initiatives to access unreachable populations for HIV testing services [7]. HIVST incorporates self-sampling of the individual's blood specimen to perform the HIV Rapid Diagnostic Test (RDT), followed by selfinterpretation of the results [8]. HIVST benefits include allowing people to test themselves in the privacy of their own homes, providing immediate and confidential results without worrying about issues such as stigma, potential breach of confidentiality, distance, and time required to travel to testing sites [9-12].

There has been a widespread adoption of HIVST kits in South Africa. One test is the Abbott CheckNOW™ HIV SELF TEST ("the Test") that has been introduced among the several test kits that have been evaluated for use in the country. The test is a single-use, in vitro, visually read, qualitative immunoassay for the detection of antibodies to HIV in human whole blood. The Test met WHO Pregualification status on 6 April 2022 - Product code: 29012-W01, Application Number: PODx 0481-032-00. The test is also currently Conformité Européenne (CE) marked and has obtained Expert Review Panel for Diagnostics (ERPD) approval. The specificity (99.9%) and sensitivity (100%) of the test have been identified through clinical evaluations conducted in South Africa, Congo, Vietnam, and Spain. Abbott's CheckNOW™ HIV SELF TEST kit is to be used as an aid in the diagnosis of HIV infection. The selftest is intended for use by untrained individuals, utilizing a blood sample collected *via* a finger stick puncture. The test has been designed for ease of use and requires only two additional components, in addition to the self-collected fingerstick blood sample: the test device and a buffer solution.

There is a growing body of supporting evidence showing the acceptability and usability of HIVST in various key populations and groups, with further plans for evaluations on device performance. Public pilot HIVST programs in sub-Saharan Africa show high acceptability, feasibility, and correct usage of HIVST kits [11, 13]. However, there is a limited body of research on assessing the usability and feasibility of the CheckNOW™ HIVST, and existing studies have not thoroughly explored whether

these attributes extend to diverse contexts, such as the eThekwini and uMgungundlovu districts in South Africa, particularly among high-risk populations such as men who have sex with men (MSM) and transgender women (TGW). This study aimed to evaluate the CheckNOW $^{\rm IM}$ HIV SELF TEST devices specifically in these regions among MSM and TGW to understand their usability, feasibility, and acceptability. This study provides a comprehensive insight into the user experience, including label comprehension and result interpretation, while enhancing efforts to reach the UNAIDS 95-95-95 targets.

2. METHODS

2.1. Study Design

This was a cross-sectional study using convenience sampling, where eligible participants who came to Aurum Institute POP INN facilities for routine medical care or were invited to the study were approached for prospective enrollment. The POP INN clinics are specialised facilities that provide healthcare services for MSM and TGW. Recruitment continued until a desired sample size was reached. The targeted outcomes of interest were the usability, feasibility, and acceptance of blood-based HIVST kits in the hands of untrained lay users. Usability was defined as the count and proportion of participants who found it easy to complete all testing steps correctly without assistance and accurately interpreted the results. Feasibility included assessing lay users' ability to correctly utilize the self-test, successfully obtain an interpretable result, and correctly interpret the results. Acceptability focused on the lay user's acceptance of HIVST, willingness to recommend the test, trust in the accuracy of the test results, and comfort level in using it at home.

2.2. Study Site

The study was conducted in KwaZulu-Natal in the eThekwini and uMgungundlovu districts due to their high HIV prevalence rates of 17.6% and 19.5%, respectively [14]. Moreover, these districts represent diverse settings, with eThekwini being predominantly urban and uMgungundlovu characterized by peri-urban and rural communities, facilitating the evaluation of HIV self-testing across different population contexts.

2.3. Study Population

The study population consisted of key population clients, particularly MSM and TGW, seeking HIV testing and prevention services at the Aurum Institute POP INN facilities/clinics. The eligibility criteria included individuals aged 18 years of age and above. Participants who were known to be HIV-positive, known to be HIV-negative, or had unknown HIV status and had no prior experience with self-testing for HIV were included in the study. Clients were excluded if they had any prior experience with HIVST, were healthcare professionals or lay providers, and had experience with HIV rapid testing.

2.4. Sample Size

Using the standard formulas for cross-sectional studies $(n=Z ^2 *p * (1-p) / e^2)$, the minimum sample size for

this cross-sectional study was calculated based on an expected HIV self-testing usability rate of 85%, a 95% confidence interval, and a 5% margin of error, resulting in an estimate sample of 196 participants. The final sample size included 250 untrained individuals, with 40 participants being known HIV-positive, 82 participants being known HIV-negative participants and 128 participants not knowing their HIV status, based on results obtained from their previous testing at the POP INN clinic. The increase in sample size beyond the estimated value was to account for potential data loss and to increase statistical power. Post-hoc power analysis indicated that this sample size provided approximately 80–85% power to detect a minimum 10% difference in usability outcomes between demographic groups.

The recruitment of clients with various HIV statuses was to ensure that bias was not given to any particular group.

2.5. Data Collection

A paper-based questionnaire (Appendix A) was used to collect the data, which was then digitized into Epicollect upon completion. A unique participant ID was assigned to each participant, matched to the test conducted. Data collection was conducted by 14 HIV testing services (HTS) counsellors from 22 February - 11 April 2024. The healthcare providers invited participants to participate in the study through a study enrollment screening process that ensured the inclusion of the correct number of participants with the required HIV status and that the participants had sufficient information about the study and its requirements. Participants who met the eligibility criteria and agreed to participate in the study were asked to sign the consent form.

enrolled participant then conducted the CheckNOW™ HIV SELF TEST based on the product instructions for use (IFU). Participants were given one HIVST kit with no further information about the device or test procedure and asked to perform the test in front of a health staff observer. A trained study staff member supervised the testing and result interpretation but did not assist with the IFU understanding, testing, or result interpretation. The staff did not interact with the participant unless intervention was required for a study participant's safety, well-being, or privacy. During the selftesting procedure, the study staff used product-specific, semi-structured questionnaires with an observation checklist of the HIVST process, as well as a sheet for recording test results. After testing, the study staff member confirmed the untrained user's result, and each test result was photographed and labelled with the participant's ID number (ID).

2.6. Data Analysis

The data from the surveys was coded and imputed into Microsoft Excel for data cleaning and coding. All data with more than 50% missing information and duplicates were

excluded, which led to a total sample size of 245. Cleaned data were analyzed on SPSS Version 29. Descriptive statistics were calculated for the overall usability of the self-test to give an overview of the attitudes that are held by the clients. The survey completed by the staff member for each participant was analysed for concordance between the staff and the participant regarding: correct interpretation, correct test use, and reading of instructions. This was evaluated using Cohen's coefficient of agreement.

Errors were further analyzed and categorized as critical or non-critical. Critical errors occurred when participants made operational mistakes during the assay that could potentially invalidate the results, such as spilling the developer buffer or prematurely terminating the process. Non-critical errors occurred when participants made mistakes that deviated from the IFU but were not considered to lead to false or invalid results, such as holding the buffer vial rather than placing it on the table. The proportion of participants committing critical errors was calculated.

3. RESULTS

3.1. Demographic Characteristics of the Participants

The study sample consisted of 245 adult MSM and TGW participants aged 18-56 years, with a median age of 38 years (IQR: 56-18). Most participants (30.2%) were between the ages of 18-24 years, with 67.3% having completed high school or obtained a diploma equivalent. Over 71.0% of the participants were from urban areas. Regarding monthly income, 22% of participants reportedly earned R0-R1000 per month, while 54.8% reported an income range of R1001-R50000 per month (Table 1).

3.2. Usability of CheckNOW™ HIV SELF TEST

The average usability index of the Abbott CheckNOWTM test was 84.6% (Table 2). Among the 245 eligible participants, 89.3% (CI: 85.2-92.6%) found it easy to carry out the whole test, whereas 10.7% experienced challenges. Of the 245 participants, 95.5% (CI: 92.1-97.5%) found it easy to remove the cap from the lancet, and 95.1% (CI: 89.6-96.2%) were able to easily apply the buffer to the test. Participants struggled with preventing bubbles from forming when transferring blood from the basin to the test device. Only 40.8% (CI: 34.8-47.1%) of the participants were able to correctly transfer blood from the basin to the test device with no bubbles generated (Fig. 1).

3.3. Feasibility of the CheckNOW™ HIV SELF TEST

Among the 245 untrained lay users, the majority (93%) were able to use the self-test successfully and correctly (Table 3). A specific challenge involved generating bubbles, where only 40.8% (34.8-47.1%) of participants were able to draw blood from the basin without generating bubbles (Table 2). Of the participants, 76.6% (CI: 71.7-82.6%) faced challenges in drawing enough blood to conduct the test.

Table 1. Demographic characteristics of study participants.

-	Category	Frequency (n)	Percentage (%)
	18 - 24 years	74	30.2
Ago	25 - 29 years	46	18.8
Age	30 - 34 years	53	21.6
	>35 years	56	22.9
	Never attended school	2	0.8
	Primary School	10	4.1
Education Level	High school or diploma equivalent	165	67.3
Education Level	Some college or technical degree	30	12.2
	College or postgraduate degree	28	11.4
	Prefer not to answer	10	4.1
	R0 - R1000 per month	54	22.0
	R1 001 - R2 500 per month	35	14.3
	R2 501 - R5 000 per month	33	13.5
Monthly Income	R5 0001 - R10 000 per month	35	14.3
	R10 001 - R50 000 per month	31	12.7
	>R50 000 per month	3	1.2
	Prefer not to answer	54	22.0
-	In a rural area	55	22.4
Coographicallegation	In an urban area	175	71.4
Geographical location	Not listed, please specify below:	15	6.1

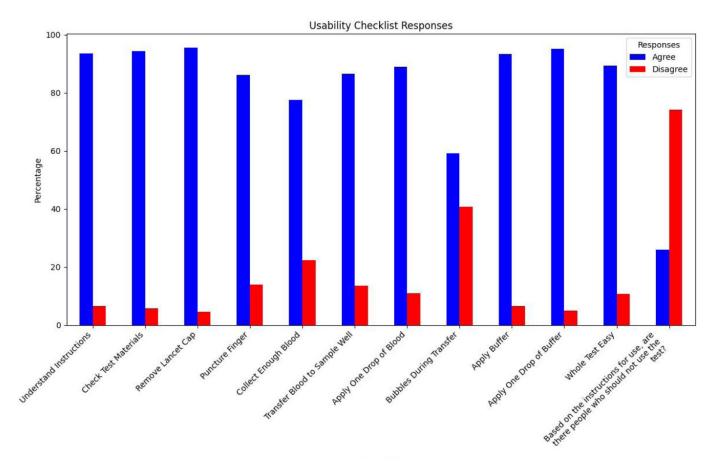


Fig. (1). Participants' usability checklist responses.

Table 2. Partici	pants who found it	easy to com	plete all testino	steps correctly	y without assistance.

Usability Checklist	Yes n (%)	No n (%)	Usability Index (%)	95% CI
How Easy was it to understand the instructions for use	229 (93.5)	16 (6.5)	93.5	89.6-96.2%
How Easy was it to identify and check that all of the test materials are present before starting the procedure as described in the Instructions for Use?	231 (94.3)	14 (5.7)	94.3	90.6-96.7%
How Easy was it to remove the cap of the lancet?	234 (95.5)	11 (4.5)	95.5	92.1-97.5%
How Easy was it to puncture your finger with the lancet?	211 (86.1)	34 (13.9)	86.1	81.1-90.1%
How Easy was it to collect enough blood?	190 (77.6)	55 (22.4)	77.6	71.7-82.6%
How Easy was it to transfer the blood to the Sample Well using the Specimen Dropper?	212 (86.5)	33 (13.5)	86.5	81.6-90.4%
Did you apply ONLY one drop of blood to the test device?	218 (89.0)	27 (11.0)	89.0	84.4-92.3%
Were bubbles generated during the transfer of blood from the bowl/basin to the test device?	145 (59.2)	100 (40.8)	40.8	34.8-47.1%
How Easy was it to apply the buffer to the test?	228 (93.4)	16 (6.6)	93.4	89.6-96.2%
Did you apply only ONE drop of the buffer?	233 (95.1)	12 (4.9)	95.1	91.6-97.2%
How Easy was the whole test to carry out?	218 (89.3)	26 (10.7)	89.3	85.2-92.6%
Based on the instructions for use, are there people who should not use the test?	63 (25.9)	180 (74.1)	74.1	20.8-31.8%

Table 3. Feasibility and acceptability of the HIVST test.

-	•	Number of Correct Responses	Total Nur Response		Proportion	95% CI
Feasibility	The participant used the test correctly	227	244		03.0	89.2 - 95.6%
Acceptability	How likely would you trust the test if you performed it in your home?	216	244		90.0	-
-	How likely would you recommend this product to your family or friends who might be interested in testing themselves, based on your own experience? 216 244 90.0		90.0	-		
	Based on the instructions for use information, would the test have been appropriate for you to use at home?	228	240	95.0	-	

3.4. Acceptability of CheckNOW™ HIV SELF TEST

Of the 245 eligible clients, 91.7% (CI: 87.7-94.7%) found the test acceptable. 95% (CI: 91.5-97.1%) of the participants indicated a high level of comfort with conducting the HIV self-test in their homes, while a significant proportion 90% (85.8-93.3%) expressed trust in the accuracy of the test results and 90% (85.8-93.3%) reported willingness to recommend the test to friends and family (Table 3).

3.5. Concordance between Counsellors and Users

The average scores from the staff (HTS counsellors and nurses) and participants on the test procedures, results, and interpretation were compared to determine concordance. Overall, the staff rated the participants higher than the participants rated themselves. The mean score given by the staff was 3.80, compared to 2.83 for the participants (Table 4). Notably, both groups rated their understanding of the test steps equally. However, the most significant difference was observed in the correct use of the test, where the mean difference and Cohen's D were most pronounced. The effect size between the two scores (0.93 and 0.06) was large at 2.067, indicating a substantial disparity in perceptions of test usage accuracy between staff and participants.

4. DISCUSSION

The study aimed to evaluate whether CheckNOW $^{\text{\tiny TM}}$, a blood-based HIVST kit, was usable, feasible, and acceptable in the hands of untrained lay users, particularly MSM and TGW in the KwaZulu-Natal province. Results from this study were consistent with those from recent studies conducted in Vietnam, the Democratic Republic of the Congo, Kenya, and Brazil, where participants considered the test easy to use, easy to interpret, and acceptable, such that they were willing to recommend it to their friends and family [11, 15-17].

The study reported high usability and feasibility scores for the test; however, this evaluation revealed broader perspectives that offer room for improvement. This was achieved through the survey design, which investigated and identified points of confusion or hesitation, as well as any critical and non-critical errors made during the self-testing procedure. In the CheckNOW™ test, participants encountered a few difficulties with instructions, test procedures, and kit components. This included participants self-reporting feeling too scared to prick themselves, as well as others feeling pain from the lancet [18, 19]. They also reported having issues with transferring blood using the specimen dropper without generating bubbles, and some clients reported not having enough blood when they pricked themselves.

Significance Std Deviation Cohen's D Mean (p-value) SE- The participant was able to correctly interpret their result .98 127 ,188 Pair 1 ,004 .94 233 187 PE- How Easy was the test to read and interpret? SE- The participant appeared comfortable using the test .95 225 .220 Pair 2 <,001 .89 .309 .219 PE- How Easy was the whole test to carry out? SE- The participant used the test correctly .93 .255 2,074 Pair 3 PE- Did you understand the steps of the test enough to be confident you were performing it <,001 .06 .233 2,067 SE- The participant appeared to understand the instructions 93 .248 .000 Pair 4 1,000 PE- How Easy was it to understand the instructions for use .93 .248 ,000 SE (Total) 3.80 .719 1,756 <,001 PE (Total) .516 1,750 2.83

Table 4. Agreement between participants and counsellors.

Addressing these difficulties is important for the improvement and increase of ease-of-use and reduction of misuse of the self-test. This contributes to the low self-rating of correctly using the test by participants in comparison to the staff's evaluation rating. The HTS counsellors mainly reported test procedure challenges related to the participants not understanding how to use the lancet, how to draw blood, and how to transfer the blood to the basin [20, 21]. This is similar to what was reported in a previous study conducted in rural and peri-urban KwaZulu-Natal, South Africa. Other notable comments were related to the client's requiring reassurance that the test is accurate. Similar results were reported in a study on Cape Tonian adolescents [22].

Focusing on key populations allowed for the assessment of the usability of HIVST in groups that often face more substantial barriers to access healthcare than the general population. The high accessibility, user satisfaction, and effectiveness in key populations add substantial value to the generalizability of the test, supporting its broader adoption in South Africa and beyond. While the sample size was constrained by resources, the post-hoc power analysis suggests adequate power for primary usability outcomes within the MSM and TGW populations. However, the limited sample size and recruitment setting may have reduced the generalizability of results to the wider MSM and TGW communities, as well as to other key populations. Future studies with larger, more diverse samples of MSM and TGW across different social contexts are needed to validate these findings and inform targeted interventions.

5. LIMITATIONS

This study presented several limitations. The convenience sampling method may have introduced a selection bias due to the characteristics of individuals who seek POP INN services (i.e., those who are cognizant and up to date with their medical care). Some responses may have been influenced by participants' prior HIV testing experience and post-test counselling prior to this study, which is high in the sampling area, leading to experience bias. The testing process was observed, which could have led to a Hawthorne effect where participants altered their behaviour due to awareness of being studied. Furthermore, the cross-sectional design and absence of longitudinal

follow-up restrict the assessment of the long-term usability of HIV self-testing and subsequent linkage to care.

CONCLUSION

The findings of this evaluation indicate that the CheckNOW™ HIV SELF TEST is extensively usable (easeof-use) and acceptable in the hands of untrained lay users. This evaluation was crucial as it addresses a critical gap in HIV testing coverage and early diagnosis in South Africa, particularly in KZN, while supporting widespread adoption of the test in the country. By evaluating the potential use of HIVST devices like CheckNOW™ HIV SELF TEST, these findings can inform public health strategies and policies aimed at enhancing HIV testing and linkage to care. Additionally, the findings of this study contribute to the growing body of evidence supporting the use of HIVST devices like CheckNOW as a complementary strategy to the provider-initiated testing approach, ultimately aiding in the control of the HIV epidemic in South Africa and beyond by expanding access to HIV testing and improving early diagnosis rates.

AUTHORS' CONTRIBUTIONS

The authors confirm their contributions to the paper as follows: V.N. and J.P.: Study conception and design; G.M.: Data collection; M.M., G.M., V.N., L.M., and J.P.: Analysis and interpretation of results; M.M.: Draft manuscript;. All authors reviewed the results and approved the final version of the manuscript.

ETHICS APPROVAL AND CONSENT TO PARTICIPATE

The study was approved by the Human Research Ethics Committee of the University of the Witwatersrand on 6 June 2023, reference number: 230606. Approval was also obtained from Clinical and Medical Affairs at Abbott Rapid Diagnostics.

HUMAN AND ANIMAL RIGHTS

All procedures performed in studies involving human participants were in accordance with the ethical standards of institutional and/or research committee and with the 1975 Declaration of Helsinki, as revised in 2013.

CONSENT FOR PUBLICATION

Informed consent was obtained from the participants.

STANDARDS OF REPORTING

STROBE guidelines were followed.

AVAILABILITY OF DATA AND MATERIALS

The data supporting the findings of this study are not available to the public to maintain participant confidentiality, but are available from the corresponding author upon reasonable request.

FUNDING

This study was funded by Abbott Laboratories.

CONFLICT OF INTEREST

The authors declare no conflict of interest, financial or otherwise.

ACKNOWLEDGEMENTS

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APPENDIX A

Evaluation questionnaire for the study staff

1. The participant was able to correctly interpret their result $% \left(1\right) =\left(1\right) \left(1\right) \left($

Yes	No

2. The participant appeared comfortable using the test

Yes	No

3. The participant used the test correctly

	<u> </u>
Yes	No

4. The participant appeared to understand the instructions

Yes	No

5. Did the participant have any questions about the test

Yes	No

If yes, please explain

APPENDIX B

Participant Questionnaire

Participant Number (to be filled in by the data collector):

Date: _	
Demo	graphic survey
Age:	
Highe	est level of education:
□ Nev	er attended school
□ Prin	nary school
□ Higl	h school or diploma equivalent
□ Som	ne college or technical degree
□ Coll	ege or postgraduate degree
□ Pref	Fer not to answer
Avera	ge Monthly Income
□R0-R	11000 per month
□R1 0	01-R2 500 per month
□R2 5	01 -R5 000 per month
□R5 0	01-R10 000 per month
□R10	001-R50 000 per month
□>R50	0 000 per month
□ Pref	Per not to answer
Where	e do you live?
□ In a	rural area
□ In a	n urban area
□ Not	listed, please specify below:

Client evaluation survey

1. How \boldsymbol{Easy} was it to understand the Instructions for Use?

	1	2	3	4	5
I					
	Very Easy	Fairly Easy	Neither Easy nor Difficult	Fairly Difficult	Very Difficult

If you answered 4 or 5, please comment:

2. Did you read the Instructions for Use from beginning to end before starting the procedure as described in the Instructions for Use?

Yes	No

3. How **Easy** was it to identify and check that all of the test materials are present before starting the procedure as described in the Instructions for Use?

Yes

No

8 The C)pen Publi	ic Health Joui	rnal,	2025, Vol. 18	8					Мокдо	okong et al.
1	2	3		4	5	If you	ı answere	d No, please	comme	ent:	
Very Easy	Fairly Easy	Neither Easy Difficult	nor	Fairly Difficult	Very Difficult						
	•			1				es generated in to the test			fer of blood
If yo	u answere	ed 4 or 5, plea	ase c	omment:							
							Yes			No	
						<u> </u>					
		vas it to remo	ove tl	he cap of the	lancet?	10. H	low Easy	was it to appl	ly the b	ouffer to th	ne test?
1	2	3		4	5	1	2	3		4	5
		Noith on Franc									
Very Easy	Fairly Easy	Neither Easy Difficult	nor	Fairly Difficult	Very Difficult	Very Easy	Fairly Easy	Neither Easy 1 Difficult	nor Fa	airly Difficult	Very Difficult
5. H	ow Easy	was it to pur	nctu	re your fing	er with the			d 4 or 5, plea			
1	2	3		4	5						
							Yes			No	
	Fairly Easy	Neither Easy	nor		Very Difficult						
						the resul		ou use to me	easure	the time	tor reading
6. H	ow Easy v	vas it to colle	ct er	ough blood?)	Wat	ch	Timer	Oth		None
1	2	3		4	5						
Very Easy	Fairly Easy	Neither Easy Difficult	nor	Fairly Difficult	Very Difficult	If you	ı answere	d Other, plea	se spec	cify:	
If yo	u answere	ed 4 or 5, plea	ase c	omment:				now how m			
		was it to trans		the blood to	the Sample						
Well usi	ng the Sp	ecimen Dropp	er?				Yes			No	
1	2	3		4	5						
						14 T	Was the c	ontrol line vi	isihle a	at the tim	e vou read
Very Easy	Fairly Easy	Neither Easy Difficult	nor	Fairly Difficult	Very Difficult	the test		Official fillo vi	1511510 0	at the thin	o you roue
If yo	u answere	ed 4 or 5, plea	ase c	omment:			Yes			No	
						15. H	low Easy	was it to see	the con	ntrol line?	
8. D	id you ap	ply ONLY on	e dr	op of blood	to the test	1	2	3		4	5
device?	J P			1							
						Very Easy	Fairly Easy	Neither Easy i Difficult	nor Fa	airly Difficult	Very Difficult
	Yes			No				DIIIICUIL			<u> </u>

sability of I	Blood-based	Abbott	CheckN	OW™ HIV	SELF TES	
If you an	swered 4 or	5, plea	ase comn	nent:		
16. How ne correctl	Confident y?	were y	ou that y	you saw tl	ne control	
1	2		3	4	5	
Very Confident	Fairly Confident		Confident Unsure	Fairly Unsure	Very Unsure	
If you answered 4 or 5, please comment:						
	invalid res				e test did	
	П			П		

17. If an inv	alid result wa	s obtained	(i.e. the	test did
not work), would	l you know wh	at to do nex	t?	

Yes	No

- 18. How can you be sure that the test has worked?
- 19. How **Easy** was the whole test to carry out?

1	2	3	4	5
Very Easy	Fairly Easy	Neither Easy nor Difficult	Fairly Difficult	Very Difficult

If you answered 4 or 5, please comment:

20. H	low Easy	was the test to	read and inter	pret?
	0			

1	2	3	4	5
Very Easy	Fairly Easy	Neither Easy nor Difficult	Fairly Difficult	Very Difficult

If you answered 4 or 5, please comment:

21. Did you understand the steps of the test enough to be confident you were performing it correctly?

Yes	No

22. How likely would you be to trust the test if you performed it in your home?

1	2	3	4	5
Extremely likely	Somewhat likely	Neither likely nor unlikely	Somewhat unlikely	Extremely unlikely

23. How likely would you recommend this product to your family or friends who might be interested in testing themselves, based on your own experience?

1	2	3	4	5
Extremely likely	Somewhat likely	Neither likely nor unlikely	Somewhat unlikely	Extremely unlikely

24. Based on the instructions for use information, would the test have been appropriate for you to use at home?

Yes	No

25. Based on the instructions for use, are there people who should **not** use the test?

1	2
Yes	No

If yes, please explain

26. Can you use one test several times?

Yes	No

27. According to the product instructions for use, you can make independent medical decisions yourself based on the test result, without discussing with your doctor.

True	False

28. If the result is non-reactive, you can be completely certain that you do not have HIV infection.

Yes	No

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