## **UJES**

# Exploring the Utility of the Strengths-Based Approach in Health Care: Perceptions of Health Sciences Students

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Introduction: The strengths-based approach (SBA) is a paradigm grounded in nursing and social work that identifies the positive basis about a person's strengths and resources, in turn encouraging ongoing growth and development. In contrast, the commonly deployed deficit-focused approach maintains that individuals in care (IIC) are damaged and thus require repair. The problematic perspective upheld by the deficit model is detrimental to relationship building in the health care context. Main objectives: (a) assess student familiarity with the SBA to care; (b) explore how the SBA may potentially be used in various health care professions, including kinesiology; and (c) assess the perceived impact of the SBA on IIC. Methodology: A mixed methods design with qualitative (e.g., semi-structured interviews, thematic analysis, inductive reasoning) and quantitative components (e.g., questionnaire, deductive reasoning) was used. University of Toronto students (n=8; 63% females; ages 20 – 23) aspiring to be health care providers (HCPs) were enrolled in this study. The final sample was comprised of health sciences students (kinesiology, n=5; nursing, n=1; medicine, n=1; laboratory medicine and pathobiology, n=1). Findings: The following themes emerged from participant responses: (a) collaborative partnerships; (b) empowerment; (c) patient-centred care and autonomy; and (d) creating positive environments. Participants who maintained unfamiliarity with SBA (n=6) generally boasted responses regarding the hedonic emotions or sensations of IIC. Participants familiar with the SBA (n=2) highlighted the importance of building upon strengths and resources identified in IIC. Discussion: The findings derived from this study support the Broaden-and-Build theory and philosophical roots of happiness (e.g., hedonia and eudaimonia); both of which were used to interpret findings. Stakeholders (e.g., IIC, HCPs) benefit from the SBA because this concept allows for trusting working relationships between HCPs and IIC while preventing IIC from 'getting lost' in the complex health care system. It is recommended that the education of aspiring HCPs should include techniques that guide IIC toward 'stronger' futures.

#### Introduction

Traditionally deployed in the healthcare setting, the *deficit-focused approach* is applied by health care providers (HCPs) who seek to *fix* the health-related problems (e.g., malnutrition) of individual in care (IIC) <sup>1.</sup> In contrast to accentuating an individual's perceived *helplessness* (e.g., deficit model), however, the *strengths-based approach* (SBA) identifies the positive basis of an individual's resources and strengths, which serve as the foundation for ongoing

growth, development, and improvement<sup>2</sup>. The SBA encourages HCPs to look beyond risk behaviours and limiting characteristics, and rather, inspire IIC to meet future challenges as opposed to developing a dependence on welfare services<sup>1</sup>.

trast to accentuating an individual's perceived The SBA is rooted in positive psychologyness (e.g., deficit model), however, the based theories that explore the philosophical roots of *happiness*. Two distinct perspectives about happiness is of an individual's resources and strengths, exist in the positive psychology context— *hedonia* serve as the foundation for ongoing and *eudaimonia*. Hedonia, in particular, describes

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occurrences for individuals attempting to maximize Methodology pleasure while simultaneously minimizing pain or suffering<sup>6</sup>. Aristotle's eudaimonia, which is more inline with the SBA, is characterized as an individual Review Committee, this research study was approved achieving happiness when potentials are actualized by University of Toronto's Office of Research Ethics as and their behaviours are in alignment with their first- an undergraduate student-initiated project. This study order values (e.g., intrinsic values)<sup>6</sup>. SBA draws upon implemented a mixed methods design; qualitative the Broaden-and-Build theory, which demonstrates (e.g., thematic analysis, semi-structured interviewing the symbiosis of hedonia and eudaimonia as essential methods, inductive reasoning) and quantitative comfor well-being<sup>7</sup>. Specifically, the broaden aspect of this ponents (e.g., questionnaire, deductive reasoning) theory includes hedonic emotions and sensations, were used to investigate the applicability and percepwhich open up the mind to new possibilities and tions of SBA use in health care settings<sup>34</sup>. Qualitative ideas<sup>7</sup>. These hedonic emotions, in turn, serve to build and quantitative inquiry, in particular, served to capupon our physical, intellectual, and social resources ture the participants' perspectives on the use of the that can be drawn upon in later moments to assist SBA in health care. A constructivist paradigmatic posiwith the process of actualizing one's potentials<sup>7</sup>.

Preliminary research regarding the SBA has been conducted in the nursing<sup>8</sup> and social work contexts<sup>9–11</sup>, but the use of SBA across other health care fields remains relatively unexplored. In the present, SBA has been implemented for minority and stigmatized groups<sup>9–13</sup>, and in various settings (e.g., urban community health, academia)<sup>10,14–23</sup>. Research about Participants the application of SBA within the field of kinesiology is considered to be in its early stages. This study, therefore, aimed to investigate perceptions of health care students regarding SBA in relation to four fundamental aspects of SBA: a) creating collaborative partnerships with IIC; (b) empower IIC so that they can help themselves; (c) tend to the needs of IIC with patientcentered care; and (d) creating a positive environment conducive to ongoing personal growth<sup>2</sup>. The three main objectives of this research study included: (a) assessing students' familiarity with the SBA to care; (b) exploring how the SBA can be potentially used in various health care professions, including kinesiology; and (c) assessing the perceived broad impact of the SBA IIC. on

Upon being reviewed by the Delegated Ethics tion was employed as meaning and knowledge were socially constructed through the interview process. The findings of this study were collaboratively generated between the researcher and participant<sup>35</sup> to rethe lived experiences of participants. flect

## **Methods**

Students enrolled at the University of Toronto who aspired to achieve future employment as HCPs (n=8; 63% females; ages 20-23) were recruited for this study upon regulatory agency approval. These research participants were academically enrolled in faculties and departments related to the health sciences (kinesiology, *n*=5; nursing, *n* =1; medicine, *n* =1; laboratory medicine and pathobiology, n = 1), and claimed to have extracurricular experience in health care settings (e.g., hospital, community, clinic, education, small business). All participants stated that they had experience interacting with IIC. Recruitment

In accordance with the Declaration of Helsinki,

recruitment techniques included purposeful sampling Data Collection and snowball sampling. Recruitment posters were used as the primary recruitment tool for this research study. The simultaneous use of these recruitment tactics (e.g., purposeful sampling via posters) was approved by the University of Toronto's Office of Research Ethics.

Purposeful sampling was chosen to recruit participants who possessed specific experience relevant to this study (e.g., interactions with patients in a health care setting). Initially, the lead researcher contacted potential participants by emailing them a thorough description of this research study, which included the purpose, methods, benefits and risks, confidentiality protocol, and inclusion criteria. The email addresses of potential participants were obtained by posting recruitment posters around the University of Toronto St. George campus, specifically on public boards in health science buildings (e.g., Medical Sciences building). The recruitment posters served to indicate the (a) the purpose of the research; (b) inclusion criteria; (c) methods used in the study; (d) and the post-participation compensatory plan. In response to e-mail enquiries, the lead researcher disseminated additional details about the study, while also confirming the eligibility of candidates who wished to participate in this study.

A snowball sampling technique was deployed to uncover further details about potential research participants. Snowball sampling is a sampling technique in which research participants aid the recruitment process via recommending individuals who later thematically analyzed upon interview complemeet the inclusion criteria to the primary researcher. tion. Thematic analysis was chosen for this study be-In the context of this study, it is implied that the indi- cause of its ability to effectively identify themes or viduals recruited through snowball sampling are peers patterns found throughout the different accounts<sup>34</sup>. or colleagues in the same university programs as the Fundamental aspects of SBA, such as collaborative research participants recruited via recruitment post- partnerships, empowerment, patient-centred care ers. Additionally, research participants recruited via and autonomy, and the creation of positive environsnowball sampling may have volunteered at the same ments were themes used to answer this study's initial organizations as those who were initially recruited.

Data collection consisted of eight semistructured interviews and demographic questionnaires (see supplementary material in Appendix B). Prior to the interviews, research participants were asked to complete a short demographic questionnaire about contextual information, thus providing the lead researcher a clearer understanding of the participant's background (see Table 1). Contextual information about the participant included their: (a) name; (b) age; (c) gender; (d) year of study; (e) faculty or department of study; and (f) student practicum or workplace setting (e.g., hospital, community, clinic, education, small business).

Each semi-structured interview was 30 to 45 minutes long. The interviews took place in a controlled environment that was relatively guiet and comfortable for participants. With the participant's consent, all interviews were audio-recorded with a voice recorder. The semi-structured interviews allowed for participants to lead and have greater control over the topics discussed. The interview consisted of a set of open-ended questions to facilitate discussion (see supplemental material in Appendix B) and certain questions were asked depending on the participant's familiarity with the SBA. Participants had the opportunity to freely express their ideas, attitudes, and opinions about the subject matter at hand.

#### **Data analysis**

All interviews were transcribed verbatim and research question and satisfy the study's three primaPage 4

the interview data was analyzed for themes before at face value. these themes were categorized. The transcriptions were subsequently codified by the identified themes obtained in the previous step<sup>36</sup>. Both inductive and deductive approaches were utilized during the thematic analysis process. The inductive approach was used in the initial search for themes and coding of the transcripts. The deductive approach was subsequently used in the development, analysis, and reviewing of the themes found in the interview transcriptions.

#### Results

### **Based Approach**

Danielle and Kim were the only participants who claimed to be familiar with the SBA; they had both used it in practice through coaching or social work. The other six participants who were unfamiliar with the SBA interpreted it as a paradigm in which HCPs reflect on the characteristics of the IIC, such as positive affective traits, moods, or states. These six participants took a hedonic perspective when identifying strengths of the IIC and this stance made the "comfort and happiness" of the IIC their top priority. Avelyn, in particular, noted the following about patient satisfaction:

> "Patient satisfaction is number one, so if you can work with the patient but also keep their comfort level in mind [...] I think that's very important." (Avelyn, 23, female, second-year nursing student)

Participants Maggie and Kevin similarly emphasized patient satisfaction, claiming that their supervisor or mentor highlighted the importance of this

-ry objectives (e.g., collaborative relationships with aspect of care. All six participants who were unfamil-IIC, empowering IIC). Thematic analysis began with iar with the SBA focused on the hedonic emotions the familiarization of transcripts; generation of as- and sensations of IIC during the interviews. However, signed initial codes that corresponded to different merely prioritizing positivity during an interaction or themes identified in the earlier step<sup>36</sup>. Afterwards, satisfactory experience for the IIC may only be taken

In contrast to those unfamiliar with the SBA (e.g., Maggie, Kevin), Danielle and Kim described health care from a eudaimonic perspective. They highlighted the importance of building upon the strengths and resources identified about the IIC. This perspective gives the IIC the opportunity to actualize their potentials and operate with the feeling of being absorbed by overcoming their challenges. However, this eudaimonic process of actualization is contingent on the hedonic emotions or sensation that both the IIC and HCPs must mutually bring in a partnership. Objective 1: Familiarity with the Strengths- Both Danielle and Kim learned SBA from their mentors and post-secondary educations. Danielle describes guiding the IIC towards independence as a form of strength that would help the IIC build upon their social support and resources:

> "Independence is like building on their strengths and then putting more strength on top of that and helping the client find the resources they need to actively seek help." (Danielle, 21, female, fourth-year kinesiology student)

#### **Objective 2: Applications of the Strengths-Based Approach**

Everyone except Sandeep believed that the SBA may be applicable in the health care context. Interestingly, Kim – who was familiar with the SBA – found advantages in both the SBA and traditional paternalistic or deficit-focused approaches. Kim argued that the approach that is used (e.g., SBA, deficit model) should be tailored to the needs of the IIC. In some cases, therefore, the paternalistic approach may be preferred over the SBA. Additionally, there was over-whelming consensus from all participants (n=8) that in stressed that IIC possess the ability to take control the SBA would be most effective in care that demand- and personally impact treatment outcomes:

ed a long-term professional relationship. Danielle thought that the SBA would be most applicable to individuals with mental illnesses:

> "A mental health disorder never goes away completely, it always comes back [...] I think [the SBA] is good [for] certain things, especially if you're going to have long-term care with a person." (Danielle, 21, female, fourth-year kinesiology student)

be unfamiliar with the SBA provided care with a posi- or manipulated by external goals or desires of others: tive regard towards IIC. These six participants saw the reciprocation of positivity when they initiated a positive approach; the IIC behaved positively towards the HCPs. Creating a positive environment with the language of empowerment, along with the utilization of patient-centered care (via autonomy) are all fundamental aspects of the SBA. The following quote exemplifies patient-centred care as a fundamental aspect **Discussion** of SBA:

that I'm providing something for. They have a voice and I try and make sure that they're bekinesiology student)

#### **Objective 3: Perceived Impacts on Motivation** and Attitudes

As cited by the research participants, identifying strengths of IIC impacted the motivational levels HCPs should have a role in empowering IIC and enreported that an individual's positive attitude was a setting new goals, in turn fulfilling their highest potendeveloped a culture of self-care and personal advoca- SBA led to the research participants perceiving that cy. Kevin, in particular, affirmed that a positive atti- the IIC that they interacted with had a positive experi-

"Positivity [...] can have a positive effect on their rehab and might change the outlook of it. I think it's understood that how you think about something can affect the physical outcome." (Kevin, 21, male, fourth-year kinesiology student)

Only one research participant, Connor (n=1), believed that through a partnership, the individual they worked with determined or acted in accordance The six research participants who claimed to with their own desires, rather than being influenced

> "I think that they feel [empowered] because a lot of the time they are able to stick to programs and participate, and put an effort because they feel like they can contribute to their own development." (Connor, 21, male, fourthyear kinesiology student)

All of the research participants (n=8) were "Autonomy in patient-centered care will make able to describe themes of collaborative partnerships, them feel like a human and not just an object empowerment, patient-centred care and autonomy, and the creation of positive environments; these themes were akin to the literature's description of the ing heard." (Annabelle, 22, female, fourth-year SBA. All of the participants spoke about the fundamental aspects of the SBA relative to IIC. Using some of these fundamental aspects allowed HCPs to possess awareness of a different perspective of the unique exceptionalities of IIC<sup>2</sup>. Through the incorporation of these four foundational aspects of the SBA, and attitudes of IIC. The majority of participants (n=5) couraging their desire to meet their goals, while strength. Participants believed that positive attitudes tial<sup>6</sup>. The positivity that manifested from using the tude assisted in the healing process. Specifically, Kev- ence. The majority of the research participants perimprovement of IIC<sup>3</sup>.

The findings of this study were connected to Barbara Fredrickson's Broaden-and-Build theory<sup>37</sup>. The broaden component of this foundational positive psychology theory posits that positive emotions and hedonic sensations – like enjoyment, happiness, joy, and interest - help individuals broaden their awareness and encourage novel, exploratory thoughts and sistent with the essential features of the philosophical actions<sup>37</sup>. The literature describes this process as the roots of happiness. For instance, Aristotle's Nibroadening of thought-action repertoires which in comachean Ethics postulates that the highest of all turn allows IIC to build upon their skills and re- good results from the realization of one's true potensources<sup>37</sup>. Similarly, the research participants per- tial, rather than simply being happy and experiencing ceived a bi-directionality of positive regard between positive affect<sup>6</sup>. In the context of ancient Greek culthemselves and the IIC. Positive emotions and hedon- ture – which had a profound interest in achieving posic sensations during IIC-HCP interactions generated itive human functioning - existed two fundamental more positivity; similar to the mechanistic actions of a ancient Greek imperatives<sup>41</sup>. The first imperative was positive feedback loop. Gallan et al. support the no- to know yourself, and the second imperative was to tion that positive emotions experienced by IIC in- become what you are. To become what you are, one crease levels of participation in their own care, and in must initially discern their unique strengths or talturn, improve the perceptions of the IIC regarding the ents<sup>41</sup>. Unlike traditional medical goal-setting used in quality of care that they receive from HCPs<sup>38</sup>. Addi- biomedical approaches – which focus on the reductionally, the positive regard towards IIC was not con- tion or elimination of symptoms or deficits - the SBA tingent on the individual's worth, thus making it un- tries to identify individual strengths and facilitate reconditional and open to all<sup>39</sup>.

Notably, all of the research participants who claimed to be unfamiliar with SBA only realized the broaden component, while failed to describe the build aspect of Fredrickson's theory, which describes the actualization of strengths and pursuit of one's full potential<sup>37</sup>. These six participants gave hedonic descrip-

-ceived increased rates of participation by IIC during tions of their approaches (e.g., being positive, satisfytheir positive interactions. In turn, IIC exhibited posi- ing the patient's physical and emotional needs) when tive attitudes towards medical services, thereby ex- they were asked to describe what comprises 'good pressing hedonic emotions towards study partici- care.' In contrast, Danielle and Kim – who were familpants. Furthermore, research participants who identi- iar with SBA – described the eudaimonic aspects by fied strengths in IIC admired these individuals and emphasizing the importance of gaining strength and their attitudes inspired collaborative behaviours increasing resources after a challenging experience amongst the IIC and HCP. The positivity cultivated via such that that they may draw upon these resources the SBA laid the foundation for a clinical environment and mitigate similar instances in the future. The build that allowed for ongoing growth, development, and aspect includes the emphasis of independence, creating or strengthening social support, and supplying IIC with tools and knowledge to navigate the health care system<sup>40</sup>. In regards to the Broaden-and-Build theory, in sum, the build component of the theory was not as apparent as the broaden portion for research participants unfamiliar with SBA.

> The findings derived from this study were consiliency in coping with life's challenges and suffering<sup>3</sup>. Several research participants understood that their role was not to change the IIC in acknowledgement that change must come from within the individual. Despite this, none of the participants described the build process in which they too had a role in facilitating the evocation of hidden or forgotten strengths

or talents in IIC<sup>42,43</sup>. In sum, the evocation of strengths and motivations is an essential skill that should be taught to empower frontline workers or volunteers interacting with IIC<sup>43</sup>.

quential impact and improvement on the individual is their subjective and psychological well-being<sup>41</sup>. short-lived. This is not to say that this aspect of care is not needed, but is merely a miniscule component of health care. The SBA attempts to build on the social support and informational resources that the IIC present such that they may become more independent, resilient, and empowered in the long-term<sup>40</sup>. These are entities that can be drawn upon in the future and thus have a longer lasting impact on IIC.

the strengths of the individual so that they may guide perceptions. In the realm of research tools, the de-IIC towards actualization of the self and find what mographics questionnaire was limited because it was they are. Simply put, IIC can fulfill their first-order de- unable to capture racial or ethnic cultural differences sires and behave in a way that parallels one's true and its impact on perceptions towards SBA. In other potential. HCPs should give IIC choices within limits, words, cultural sensitivities were largely ignored by offer rationales for certain behaviours, recognize and this study. Future studies of this nature must capture respond to the clients' needs and emotions, and the perceptions and opinions of IIC who have experiavoid overt control and criticism<sup>8</sup>. The HCP should enced the SBA while being sensitive to cultural differavoid articulating deficits that incite problems that ences. Additionally, the number of participants who require fixing, stigmatize, or handicap IIC because IIC were familiar with the SBA was limited because the may have already become discouraged, lost self- inclusion criteria for the study only incorporated Uniesteem or confidence after experiencing a traumatic versity of Toronto students. Specifically, only two of experience or diagnosis<sup>4</sup>. Kim spoke about the em- the eight participants (n=8) were familiar with the powerment and encouragement that they used to- SBA. Future studies, therefore, are recommended to wards an individual that she worked with closely:

"[These individuals are] overcome with these emotions or feelings of 'I'm not good enough', 'I can't do it' and 'if I can't do this today, then I can't do that tomorrow.' A goal that I'm trying

to work towards with these clients is, 'it doesn't have to be a perfect day every day, but it's about making small steps." (Kim, 22, female, second-year medical student)

Along with strength evocation, the SBA noti- Kim identified strengths - that may have been forfies individuals of the resources and social support gotten after their diagnosis or strengths they never that they may explore. This includes information knew about – and accentuated the importance of livabout where IIC may receive their desired care and ing life in accord with first derivative or selfassist in their navigation of the health care system<sup>44</sup>. determined values and goals. The ability to recognize The affective state of IIC is important, but its conse- these attributes and values in IIC may help to improve

One of the primary limitations posed by this research study was the relatively small sample size; this study only recorded the perceptions and beliefs of eight aspiring HCPs who all possessed similar educational backgrounds. Additionally, this study was limited because the perceptions recorded were not those of the IIC who were receiving SBA treatment. Collectively, these factors (e.g., small sample) contrib-The research participants learned to identify uted to a lack of diverse responses seen about SBA interview a larger quantity of participants familiar with the SBA to capture diverse perspectives and opinions. SBA experts should be interviewed to gain a more in-depth practical understanding of this approach, while simultaneously allowing researchers to discern the relationship between the SBA and years

of experience using this approach.

#### Conclusion

This is the one of the first contemporary studies that investigated student perceptions about the rigid with a single approach - whether SBA or deficit-SBA in health care settings. Attaining perspectives of students is essential when implementing changes to educational programs and curriculums that teach stu- al's specific needs. dents about the SBA and techniques that support the SBA. This research study is also one of the few studies that explored the potential applications of the SBA outside of nursing and social work.

To the surprise of the lead researcher, participants exhibited an overemphasis of the broaden component of the Broaden-and-Build theory. Although improving the affective states of IIC is important, implications of using a *broaden* perspective towards IIC leads to an impact that is short-lived and superficial because it cannot be drawn upon in the future. Rather, HCPs should help IIC through a build perspective in which lasting skills and resources are developed and will have future long-term benefits if a similar traumatic event reoccurs.

Stakeholders, particularly IIC and HCPs, would benefit from using the SBA because it builds trust and healthier working relationships, while preventing IIC from "getting lost" in complex health care systems. It is recommended, therefore, that the education of aspiring HCPs include techniques (e.g., motivational interviewing, positive cognitive-behavioural therapy, and psychoeducation) that help guide IIC toward "stronger" futures via alleviation of external (and possibly internalized) stigma.

Future research studies using mixed methods approaches are recommended to investigate the physiological or psychological impacts of SBA on IIC. The identification of a suitable dependent variable to quantify and measure physiological or psychological improvements in IIC is also needed. A limitation that

future research could address is the possibility of racial or ethnic differences in the perceptions of SBA being used in health care. Lastly, further investigation is needed to find the detrimental effects of being too based approach - when interacting with IIC because the approach used should be tailored to the individu-

#### **Disclosures**

The authors indicate no disclosures. The Delegated Ethics Review Committee (DERC) in University of Toronto's Office of Research Ethics reviewed the this protocol for this project and approved it on January 15, 2019.

### Appendix A

Participant (Age, Gender)	Student of (Year of study):	Place of interaction, Population	Familiar w/ SBA (Y/N)	Relevant Quote(s)
Danielle (21, F)	Kinesiology (4)	Shelter/clinic, Geri- atric/adult	γ	a) "Independence is like building on their strengths and then putting more strength on top of that and helping the client find the resources they need to actively seek help."
				b) "A mental health disorder never goes away complete- ly, it always comes back [] I think [the SBA] is good [for] certain things, especially if you're going to have long-term care with a person."
Avelyn (23, F)	Nursing (2)	Hospital, Geriatric	Ν	a) "Patient satisfaction is number one, so if you can work with the patient but also keep their comfort level in mind [] I think that's very important."
Connor (21, M)	Kinesiology (4)	Hospital, Children	N	a) "I think that they feel [empowered] because a lot of the time they are able to stick to programs and partici- pate, and put an effort because they feel like they can contribute to their own development."
Kevin (21, M)	Kinesiology (4)	Clinic, All populations	N	a) "Positivity [] can have a positive effect on their re- hab and might change the outlook of it. I think it's un- derstood that how you think about something can affect the physical outcome."
Maggie (20, F)	Kinesiology (3)	Clinic, All populations	Ν	N/A
Sandeep (20, M)	Laboratory Medicine (2)	Hospital, Geriatric	N	N/A
Annabelle (22, F)	Kinesiology (4)	Hospital, Children	N	a) "Autonomy in patient-centered care will make them feel like a human and not just an object that I'm provid- ing something for. They have a voice and I try and make sure that they're being heard."
Kim (22, F)	Medicine (2)	Hospital, All populations	Y	a) "These individuals are] overcome with these emotions or feelings of 'I'm not good enough', 'I can't do it' and 'if I can't do this today, then I can't do that tomorrow.' A goal that I'm trying to work towards with these clients is, 'it doesn't have to be a perfect day every day, but it's about making small steps.'"

Table 1: Participants' demographics and relevant quotes. (Note: all names are pseudonyms).

Abbreviations: F = female; M = male; N = no; N/A = not applicable; Y = yes.

### **Appendix B: Interview Guide**

#### **Introductory Questions:**

- Please give a brief description of where and what patients you interact with
- What do you enjoy most volunteering or working as a health care provider?

#### Study Specific Questions:

#### General Questions:

- What do you consider is "good care" when working with a patient?
  - Probe: What are some important "health care practices" that should be considered when interacting with patients?
- What are some possible strengths that you can identify in patients you work with?
  - Probe: How did these personal strengths influence your patients' health care
  - Probe: How did these personal strengths influence your interactions with them?
- Do you use a health care approach or principle when interacting with patients?
  - Probe: Do you think that it is important for health care providers to follow a guiding approach or principle when interacting with patients? Why?
- Are you familiar with the strengths-based approach used in health care?
  - Probe: Have you observed this approach being used in practice?
  - Probe: Have you personally used the strengths-based approach in practice?

#### Questions for Participant Familiar with Strengths-Based Approach:

- What about the strengths-based approach interested you and did you adopt/use it?
  - Probe: Where did you learn about this approach and what do you think of it?
- What do you believe is the philosophy or underlying values of the strengths-based approach?
  - Probe: When using the strengths-based approach, would you change the philosophy or values it stands for?
- Do you think that the strengths-based approach can be applied to other health care settings outside of the field that you work in?
- What do you think are the benefits and limitations of the strengths-based approach in practice?
  - Probe: Would these benefits or limitations apply to people who also employ the strengthsbased approach, but work in other health care fields?
- When you use the strengths-based approach, how do you think it impacts the patient?
  - Probe: Could you give me an example where the patient has preferences or commented

#### Questions for Participant Unfamiliar with Strengths-Based Approach:

- What approach or guiding principles do you use when you are providing care for patients?
  - Probe: Where did you learn these guiding principles or approach?
- What philosophy, values or ethics does your approach or guiding principle follow?
  - Probe: With your experience as a health care provider, which values or principles do you believe are the most important to you?
- Do you know if the principles you follow are practiced in other health care settings?
- What are some benefits and limitations of the principles or approach that you employ?
  - Probe: Would these benefits or limitations apply to people working in other health care fields?
- How do your guiding principles or approach impact the patient?
  - Probe: Could you please provide an example of a time where a patient commented on your treatment towards them?

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