

Retrospective Clinical Research Report



Family physicians' perspective on voluntary stopping of eating and drinking: a cross-sectional study

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Abstract

Objective: We aimed to determine how often patients who choose voluntary stopping of eating and drinking (VSED) are accompanied by Swiss family physicians, how physicians classify this process, and physicians' attitudes and professional stance toward VSED.

Methods: We conducted a cross-sectional study between August 2017 and July 2018 among 751 practicing family physicians in Switzerland (response rate 74%; 70.7% men; average age 58 (± 9) years). We used a standardized evidence-based questionnaire for the survey.

Results: VSED is well-known among family physicians (81.9%), and more than one-third (42.8%) had accompanied at least one patient during VSED. In 2017, 1.1% of all deaths that occurred in Swiss nursing homes or in a private home were owing to VSED. This phenomenon was classified as a natural dying process (59.3%), passive euthanasia (32.0%), or suicide (5.3%).

Conclusions: Although about one in three Swiss family physicians have accompanied a person during VSED, family physicians lack sufficient in-depth knowledge to address patients and their relatives in an appropriate manner during the process. Further training and development of practice recommendations are needed to achieve more standardized accompaniment of VSED.

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Introduction

Decisions on health matters are strongly influenced by the autonomy and self-determination of the person concerned. Healthcare professionals encourage and require decisions from their patients; however, patients are increasingly interested in making their own decisions. Yet healthcare decisions do not refer exclusively to therapies and measures. Patients, especially those receiving end-of-life care, also entrust healthcare professionals with their wishes regarding their own death and they want to be supported in this. ²

Besides assisted suicide, which is legal or prohibited depending on legal regulations, another option to end one's life prematurely is by voluntary stopping of eating and drinking (VSED), which has become the recent focus of end-of-life practices.^{3–8} VSED is the act of a person who consciously refuses to eat or drink with the intention of dying.⁹ Healthcare professionals are therefore not charged with providing a lethal drug to the patient but rather with caring for and accompanying the patient from the beginning of VSED until her or his death. 10 It is a phenomenon that is increasingly being researched internationally. 4,7,8,11 In published studies, one- to twothirds of participating healthcare professionals have accompanied at least one person during VSED.^{3–8} The occurrence of deaths attributable to VSED in Europe is between 0.4% to 2.1%, and a high number of unreported cases can be expected. 4,7,8,11

The Swiss are very open and have conversations about the desire to die; Swiss people attach great importance to making self-determined end-of-life decisions. 12 Alongside the already keen interest in legal assisted suicide in Switzerland, as evidenced by the growing membership in 'euthanasia organisations', 13 there is also a growing public interest in VSED. This is particularly evident in public discussions in newspapers, television reports, and lectures delivered by healthcare professionals. 14-17 This also means that healthcare professionals are increasingly confronted with their patients' desire to die, 12 and the likelihood of being confronted with a patient's wish to die by VSED is increasing. The Swiss Academy of Medical Sciences has responded to this public interest and included an option for VSED in the 'Management of Death and Dying' Guideline in 2018. This guideline is intended to provide healthcare professionals with recommendations regarding the challenges that arise when providing endof-life care and how to deal with them effectively. Less guidance is given regarding VSED; however, this option has been included as a controversial option. According to current knowledge, VSED typically occurs at home (52%) or in a nursing home (42%).^{3,19} In both cases, medical care in Switzerland is provided by family physicians, which is why we targeted this group in the current study.

The decision to embrace VSED is made by a person capable of judgement regarding

the intention to die prematurely. 5,9,20,21 VSED must be clearly distinguished from artificial feeding, 22 from external influences that impair food intake (e.g., pain, malnutrition), 23-25 and from psychological impairments (e.g., dementia, depression). 26,27 People choosing VSED are mostly women (62%) and can be found in all age groups; however, most individuals who opt for VSED (48%–70%) are aged 80 years or older. 3,7,19,28

Because many people have an intimate relationship with their family physician, these professionals are often involved in the decision-making process regarding VSED.^{3,4} This is particularly important because as VSED progresses, the patient is dependent on the support of third parties owing to increasing physical weakness.²⁹ A study among German palliative and family physicians showed that regardless of their health condition, these healthcare professionals give patients the right to receive medical care during VSED. In addition, they are also willing to accompany a person during VSED, although this willingness is considerably higher for patients with an oncological disease than for older people without serious illness. 4 If family physicians are involved in the course of VSED from the outset, appropriate preparations can be made, including the involvement of outpatient or inpatient care staff, pastors, volunteers, and others. The inclusion of medical and nursing care becomes increasingly important as the person develops further dependence on such care. 29,30

Family physicians can currently use a Dutch guideline³¹ to determine the necessary steps in preparation for and during VSED accompaniment, and they can receive valuable information in discussions with patients and relatives. Importantly, it is essential to determine the mental fitness of a person wishing to die before agreeing to accompany the individual in VSED.^{32–35} Furthermore, physiological changes in the

body during this process must be considered, as should its duration and that side effects such as delirium can occur under certain circumstances. 31,36–38

Considering the above, we described the occurrence of VSED accompaniment by Swiss family physicians and assessed how they classify the VSED process and physicians' attitudes and professional stance concerning VSED.

Methods

Study design and setting

We used a cross-sectional study design. According to our study protocol,³⁹ practicing family physicians providing primary medical care to the Swiss population were randomly selected and invited to participate in the study, conducted between August 2017 and July 2018. A response rate of 20% was targeted throughout Switzerland. Owing to cultural and linguistic differences within Switzerland, where German, French, and Italian are spoken, a response rate of 20% per major region was also targeted. There are seven major regions Switzerland, consisting of one or more cantons with an average population density of 1,041,144.⁴⁰

The initial questionnaire was Internetbased and designed using the survey software Questback (EFS 10.9). Swiss family physicians are well organised through the Confederation the **Swiss** Medical of Association 'Médecins de famille et de l'efance Suisse' (MFE; https://www.mede cinsdefamille.ch/qui-sommes-nous/lassocia tion);⁴¹ therefore, we contacted physicians by post via the MFE, in their respective national language. The mailing contained a cover letter with a link to the questionnaire and a flyer with a description of the project. Reminders were sent by mail via the MFE 3 and 6 weeks later.

Five months after recruitment had begun, the response rate was 2.8%. We assumed that the low response rate was owing less to a lack of interest than to unsuitability of the recruitment strategy, i.e., using an online survey for this target group. This could not have been predicted in advance; therefore, we deviated from the online survey described in our study protocol and distributed a paper-and-pencil questionnaire instead. In February 2018, family physicians were invited to participate by post. Mailings contained a cover letter with information about the change in the survey strategy, the questionnaire, a description of the research project, an informed consent form, and a stamped return envelope. Completed questionnaires were scanned and read into EvaSvs (Schweiz), Lachen, (Electric Paper Switzerland). The system automatically captures the responses; for unclear responses (e.g., corrected answers and free-text fields), the system reports an error message. All error messages were checked by one author (S. S.) and corrected manually. Free-text fields that were completed in French or Italian were translated into German by the first author (S. S.). Ambiguities were resolved by native speakers from the healthcare field. After the data collection was completed, an SPSS file was exported from EvaSys.

Participants

Practicing family physicians who were either specialized in general internal medicine or had completed further training to become a practical doctor (similar to a general practitioner) were included. Deceased or retired family physicians were excluded, as were those who exclusively care for children and adolescents and those who were unreachable.

Ethics approval

This study was reviewed and approved by the appropriate institutional review board of the Greater Region of Eastern Switzerland (EKOS 17/083; May 2017). Participation in the study was voluntary, and irreversible anonymity was guaranteed.

Variables

We used a previously developed and validated standardized questionnaire⁴² to calthe occurrence of accompaniment as well as attitudes, experiences, and the professional stance of family physicians toward VSED. First, participants were asked about their experiences with VSED. Participants were asked whether they had previously accompanied a person during VSED, to determine the occurrence of VSED accompaniment. Physicians who responded affirmatively were asked how often they had accompanied patients during VSED in their professional careers as well as during the past year. Respondents' attitudes were measured using items related to personality, e.g., the compatibility of VSED with their worldview or religion. Professional stance was queried using items directly related to respondents' professional actions, such as whether they would accompany a person during VSED and how they would classify VSED.

Data sources and measurement

The occurrence of VSED was calculated for two situations in 2017. First, the occurrence was calculated among all deaths (total 66,971) throughout Switzerland in 2017. Second, we calculated the occurrence among all deaths occurring in a nursing home or at home; in Switzerland, family physicians are responsible for both groups of patients. Of a total 40,183 deaths in 2017,

40% occurred in nursing homes and 20% occurred at home. 44

Bias

There is no central platform where all practicing family physicians in Switzerland are listed, nor is everyone listed on the Internet. We used a professional association (MFE) to contact all family physicians in Switzerland. VSED was defined at the beginning of the questionnaire to ensure it was not confused with other forms of food refusal, such as anorexia.

Data analysis

Descriptive analysis was conducted using SPSS version 25 (IBM Corp., Armonk, NY, USA). To describe participants, the occurrence of VSED, and the attitudes and professional stance of family physicians, appropriate statistical methods were used such as mean and standard deviation, and frequency and percentage.

Subsequently, we performed logistic regression analyses using the following factors: age (years), sex (female, male), professional experience (years), VSED experience (yes, no), and VSED classification (not suicide [e.g., natural death, passive euthanasia, self-determination, alternative, and depends on the case], suicide). For multiple regression analyses, a 5-point Likert scale of agreement was dichotomised into 0 =disagree (neutral, disagree somewhat, and strongly disagree) and 1 =agree (strongly agree and agree somewhat).

Adjusted odds ratios with 95% confidence intervals (CIs) were calculated as the effect measure. To evaluate model quality, we used Nagelkerke R square (R^2). Significance was set at $\alpha = .05$. Missing values were coded as such and automatically excluded from the analysis. The number of missing values in the analyses was indicated by the number of included values.

Role of the funding source

This research was funded by 'Research in Palliative Care' of the Swiss Academy of Medical Sciences, supported by the Stanley Thomas Johnson Foundation and the Gottfried and Julia Bangerter-Rhyner Foundation. The authors had complete control over the design, conduct, analysis, and decision to submit the manuscript for publication.

Results

Description of participants

Of all 1,411 respondents, 1,013 were suitable for study participation. Respondents (n=398) were excluded because of: recent death (n=11), retirement (n=86), exclusive care of children and young people (n=67), and inaccessibility (n=234). A total of 751 participants throughout Switzerland completed the questionnaire (response rate = 74%). As shown in Figure 1, the response rate in the seven major regions of the country ranged between 47% and 96%. Participants' demographics are shown in Table 1.

Relevance, knowledge, experiences, occurrence, and recommendations regarding VSED by family physicians

We were interested in assessing the relevance of VSED in the everyday professional life of family physicians. On two scales (first scale: not relevant, less relevant, relevant, and very relevant; second scale: the relevance of VSED will not increase, will only increase a little, will increase, and will increase considerably), most participants rated VSED in their daily work as a topic of little or no relevance (64%, n = 462), which will not increase or will only increase slightly in the future (58%, n = 385).

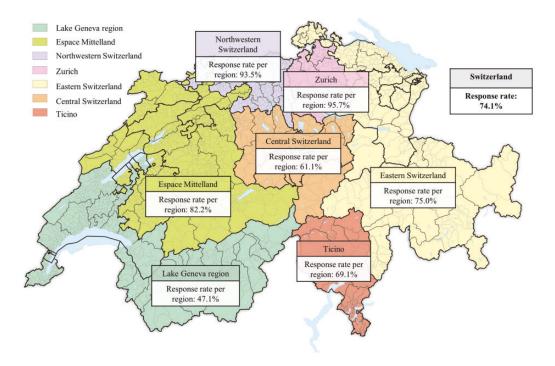


Figure 1. Response rate of family physicians in the seven regions of Switzerland. Source: Map of Tschubby⁴⁵ with information on family physicians, provided by the authors.

Participants (n = 747, missing = 4) were asked to indicate (scale: no, yes) whether they were aware of VSED, whether they felt familiar with the topic, and whether they had already accompanied a patient during VSED. VSED was known by 82% of respondents (n = 612) as a way to end life prematurely. Only about half of physicians (49%, n = 362) felt that they were familiar with the topic, and 43% (n = 320) reported that they had already accompanied at least one person during VSED.

Participants with experience of VSED (n=320) were asked further questions, to calculate the occurrence of VSED; a total of 302 responded. During their professional careers, participants had accompanied an average of 11 patients (N=3,173, SD=18, range=1-100). In 2017, an average of two patients per respondent had been accompanied during VSED (N=458, SD=18, SD

SD=2, range = 0–30). In relation to all deaths that occurred at home or in nursing homes, the occurrence of VSED in 2017 was 1.1% (or 0.7% across all deaths). 43,44

On average, in 2017, respondents recommended VSED as an end-of-life option to one patient (N=397, SD=2, range=0-15). Of the 171 physicians who did not make this recommendation, 78 (46%) were against recommending VSED to anyone.

Family physicians' classification of VSED

When asked how respondents would classify VSED (n = 735, missing = 16), more than half (59%) stated that VSED is a natural death process when overseen by a health-care professional. One-third of respondents felt that VSED is equivalent to passive euthanasia (32.0%; see Figure 2).

Table 1. Participants' characteristics.

N	751
Age (15 missing)	
- Mean (SD) (range)	58 (9) (31–86)
- 30–39 years	23 (3.1%)
- 40-49 years	126 (17.1%)
- 50–59 years	224 (30.4%)
- ≥60 years	363 (49.3%)
Sex (15 missing)	
- Male	520 (70.7%)
- Female	216 (29.3%)
Medical specialty (0 missing)	
- General internal medicine	743 (98.9%)
- Practical doctor	8 (1.1%)
In addition to the physician's practice, also work in (0 missing)	
- Hospital	37 (4.9%)
- Hospice	8 (1.1%)
- Nursing home	122 (16.2%)
Work experience (10 missing)	
- Mean (SD) (range)	29 (10) (1–58)
-<10 years	15 (2.0%)
- 10-19 years	125 (16.9%)
- 20–29 years	216 (29.1%)
- 30–39 years	282 (38.1%)
- 40-49 years	99 (13.4%)
- 50–58 years	4 (0.5%)

Abbreviations: SD, standard deviation, VSED, voluntary stopping of eating and drinking.



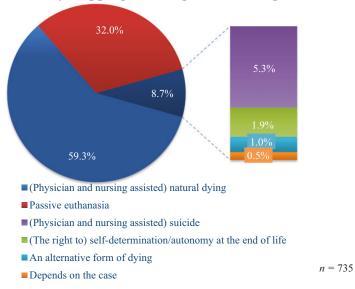


Figure 2. Classification of voluntary stopping of eating and drinking by family physicians.

Among the remaining respondents, VSED was regarded as suicide (5%), a self-determined decision at the end of life (2%), and an alternative form of dying (1%). One percent of physicians said they would classify VSED differently depending on the case, which would also be based on the patients' motives and physical health.

Factors that influenced physician VSED accompaniment

In general, more than two-thirds (73%) of respondents stated that VSED is compatible with their worldview and religion (see Table 2). The VSED experience increased the compatibility of VSED with one's own worldview among 50% of experienced respondents (95% CI: 0.297–0.869, p=.013) and among 75% of those who classified VSED as suicide (95% CI: 0.117–0.518, p<.001, $R^2=0.06$).

Regarding their professional position, 24% of respondents stated that VSED contradicts their ethics, 18% held a neutral stance, and 58% stated that VSED coincided with their ethical values. In total, 76% of physicians agreed that assessment of the patients' ability to judge was necessary. Nearly all respondents believed that patients have a right to medical and nursing care (98%) and stated that they would respect the patient's decision to choose VSED (97%); however, slightly fewer (94%) stated that they would accept the patient's' decision. The likelihood of accepting the patient's decision regarding VSED was increased by 78% among physicians with experience of VSED (95% CI: 0.082-0.577, p = .002) and by 69% among physicians who classified VSED as suicide (95% CI: 0.108- $0.872, p = .027, R^2 = 0.09$).

When asked whether participants would consider VSED as an option for themselves, most (76%) answered affirmatively. This likelihood increased by 70% among

physicians who had accompanied a patient during VSED (95% CI: 0.194–0.452, p < .001) and by 75% among those who considered VSED to be suicide (95% CI: 0.123–0.494, p < .001, $R^2 = 0.12$). Nearly all respondents (92%) said they felt ready to accompany a patient during VSED; the probability of accompanying a patient was increased by 75% among respondents with VSED experience (95% CI: 0.119–0.535, p < .001) and by 80% by those who classified VSED as suicide (95% CI: 0.089–0.442, p < .001, $R^2 = 0.13$).

Only a little more than half of participants (58%) stated that they would recommend VSED to a patient who inquired about life-shortening measures. The probability of recommending VSED to a patient decreased by 3% with increased physician age (95% CI: 1.009-1.051, p=.004), increased by 49% among physicians with VSED experience (95% CI: 0.371-0.716, p<.001), and increased by 55% among those who classified VSED as suicide (95% CI: 0.229-0.892, p<.022, $R^2=0.08$).

Attitudes during VSED accompaniment

Concerning VSED accompaniment, 22% of physicians stated that they had moral concerns whereas most (61%) had no moral concerns. In logistic regression analysis, no significant difference in moral concerns was identified. Most physicians (75%) considered VSED a dignified way to die; the probability of considering this form of death dignified increased by 52% after accompanying a patient during VSED (95% CI: 0.326-0.703, p < .001) and by 69% those among who considered VSED a form of suicide (95% CI: 0.160- $0.621, p = .001, R^2 = 0.06$). While accompanying a person during VSED, half (52%) of physicians considered the situation to be stressful for themselves; previous experience with VSED reduced stress by 52% (95% 1.109–2.076, p < .009, $R^2 = 0.03$). CI:

Table 2. Family physicians attitudes and professional stance toward voluntary stopping of eating and drinking.

Attitudes (A) and stance (S) toward voluntary stopping of eating and drinking (VSED)		Strongly disagree	Disagree somewhat	Neutral	Agree somewhat	Strongly agree
In general, regarding VSED	Coding Mean (SD)	1	2	3	4	5
(A) Compatible with world view or religion	n = 748 4.5 (0.9)	20 2.7%	16 2.1%	56 7.5%	112 15.0%	544 72.7%
(S) Contradicts professional	n = 739	243	188	134	98	81
ethics	2.5 (1.4)	32.9%	24.8%	18.1%	13.3%	11.0%
(S) Determination of the	n = 735	14	62	97	140	422
patient's ability to judge is important	4.2 (1.1)	1.9%	8.4%	13.2%	19.0%	57.4%
(S) Entitled to medical and	n = 745	1	2	14	63	665
nursing care	4.9 (0.4)	0.1%	0.3%	1.9%	8.5%	89.3%
(S) Accept decision	n = 749	3	9	32	110	595
	4.7 (0.6)	0.4%	1.2%	4.3%	14.7%	79.4%
(S) Respect decision	n = 747	2	5	12	93	635
	4.8 (0.5)	0.3%	0.7%	1.6%	12.4%	85.0%
	(-1-)	No	Yes	_	_	_
(A) Option for yourself	n = 732	175	557	_	_	_
	1.8 (0.4)	23.9%	76.1%			
(S) Recommend VSED	n = 725	302	423	_	_	_
	1.6 (0.5)	41.7%	58.3%			
(S) Ready to care for a patient	$n = 735^{'}$	62	673	_	_	_
during VSED	1.9 (0.3)	8.4%	91.6%			
During VSED support	` ,	Strongly disagree	Somewhat disagree	Neutral	Somewhat agree	Strongly agree
(A) Have moral doubts	n = 745	253	203	129	79	81
	2.4 (1.3)	34.0%	27.2%	17.3%	10.6%	10.9%
(A) A dignified manner of dying	n = 744	15	35	135	247	312
	4.1 (1.0)	2.0%	4.7%	18.1%	33.2%	41.9%
(S) Professionals are burdened	n = 734	34	101	220	230	149
	3.5 (1.1)	4.6%	13.8%	30.0%	31.3%	20.3%
(S) Relatives are burdened	$n = 735^{\circ}$	6 0.8%	14	143	275	297
	4.2 (0.9)		1.9%	19.5%	37.4%	40.4%
(S) Relatives have trouble	n = 726	9	53	234	266	164
accepting the decision	3.7 (0.9)	1.2%	7.3%	32.2%	36.6%	22.6%

Abbreviations: SD, standard deviation, VSED, voluntary stopping of eating and drinking.

Three-quarters of respondents (78%) considered the VSED process to be stressful for relatives, and 59% assumed that relatives would have problems accepting their loved one's decision.

Family physicians' assumptions about two forms of food refusal

Participants were asked to assess how often patients openly communicate their wish to

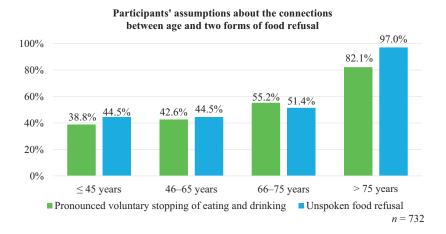


Figure 3. Participants' assumptions about the connections between age and two forms of food refusal.

die through VSED versus refusing to eat or drink without declaring the wish to die in this manner. This question regards patients who consciously and deliberately refuse to eat but do not inform people in their social environment; in this way, these patients engage in VSED secretly. It is also possible that certain individuals are privy to the individual's real intention, but there is no clear communication of intention to the family physician. Respondents (n = 732) believed that many patients tend to stop eating without any communication about their intention (70%) and rarely (30%) announce their choice to engage in VSED. Family physicians were asked to estimate the age groups in which these two forms of food refusal most often occur. For both groups of patients, participants could give one or more responses for four age groups (<45 years, 46–65 years, 66–75 years, >75 years). As seen in Figure 3, both forms of food refusal were estimated to occur in roughly equal proportions across age groups.

Discussion

Almost half of all family physicians surveyed stated that they had previously

accompanied a patient during VSED. Similar results were obtained in international studies.^{3,4,6} Furthermore, we found that 0.7% of all deaths in Switzerland in 2017 were owing to VSED, or 1.1% of all deaths that occurred at home or in a nursing home. In 2017, about one in eight family physicians in Switzerland had accompanied a patient who declared their wish to die by VSED. These results are comparable to results from the Netherlands, where between 0.4% and 2.1% of all deaths are owing to declared VSED.^{7,11}

A new finding from this study is that, in addition to declared VSED, undeclared food refusal is also common. Based on the opinions of family physicians, undeclared food refusal occurs more frequently than declared VSED. Family physicians assume that about two of three cases of VSED remain unrecognised because patients do not talk openly about their plans. Professionals must be made aware of this. The refusal to eat is not always an expression of a wish to die. It can be misinterpreted; for example, patients may be in pain or homesick and stop eating as a result.⁴⁶

That declared VSED is classified as a natural dying process^{5,9} is probably owing

to the experiences of family physicians who described such death as dignified. Moreover, a good death is measured by one's actions going hand in hand with the patients' wishes;⁴⁷ this is the case with VSED because a detailed consultation is a prerequisite before the patient can be accompanied in VSED by a physician. Further, pronounced VSED was classified as passive euthanasia by one-third of our respondents, which also represents attitudes in Germany.⁴ Whereas many physicians Netherlands classify declared VSED as suicide,^{3,7} few in the present study said they believed that VSED is equivalent to suicide. This quite different attitude regarding the classification of declared VSED is also discussed in the international literature. 20,29,48-55 However. regression analysis showed that respondents who classify declared VSED as suicide are very openminded toward it and would still be willing to accompany a willing patient. Our results family physicians' regarding toward declared VSED can be compared with the findings of international studies, which show that pronounced death through VSED is often described as dignified.⁵ Furthermore, professionals would accompany a patient during VSED and can imagine this process as an option for themselves.⁵⁶

It was striking that neither age (except concerning physicians' recommendation for declared VSED), sex, nor professional experience had a significant influence on the responses of our participants regarding their decision to accompany a patient during VSED. It can therefore be assumed that professional understanding of how to accompany a person during VSED is similar among family physicians in Switzerland. Specifically, Swiss family physicians who have previously accompanied a patient during pronounced VSED are better able to accept patients' decisions and have fewer moral concerns during **VSED** accompaniment.

The published literature reports^{3,7,19,28} that declared VSED can occur at any age, which was confirmed by participants in this study. Most physicians felt that both forms of food refusal occur mainly from the age of 75 years onwards. This is when the likelihood of having a disease, feeling lonely, or being dependent increases, which are also reasons to choose VSED.^{3,19} It is important to clarify the cause when a person expresses a wish to die by VSED or refuses to eat. All possibilities should be considered and options for resuming nutrition discussed. Only after clarifying the judgement ability of the person should an informed discussion follow in which all alternatives, including the VSED option, are addressed. We also recommend including relatives in these conversations, to ensure their support.

Limitations

Owing to the poor response rate, we had to deviate from the original recruitment strategy. We achieved an adequate response rate by changing from an online survey to a paper-and-pencil format. One limitation of our study was that we used retrospective data collection. Respondents report the number of accompanied VSED cases during the previous year; however, because VSED accompaniment is very intensive, we assumed that respondents' memories would accurately reflect reality.

Conclusion

In this study, the occurrence among Swiss family physicians of accompanying declared VSED was described for the first time. This shows that 1.1% of all deaths at home or in a nursing home were owing to declared VSED. We estimate that two or more undeclared cases of food refusal occur for each case of declared VSED. Although VSED was classified heterogeneously among our participants, most

equated it with a natural dying process or passive euthanasia. Although our respondents were generally very open in their basic attitude toward VSED, the personal experience of accompanying a person during the VSED process had an additional positive effect. Knowledge gaps among family physicians could be closed with further training. Practice recommendations should be developed for more standardized accompaniment of patients during VSED. In addition, an online platform might be helpful to collect the latest findings regarding declared VSED such that the current state of knowledge can be maintained up to date.

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Authors' contributions

AF designed the study. All authors were responsible for data acquisition. SS analysed and interpreted the data. SS drafted the article, which was critically revised by WS, DB, CH, and AF. All authors contributed substantially to this work and agreed to the final version of the article.

Declaration of conflicting interest

The authors declare that there is no conflict of interest.

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