S1 Appendix: Survey development, pretest report and final survey

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The German original version of the items and comments is provided in brackets.

The final survey is presented within round 3.
Providing ambulatory healthcare for people aged 80 and over: views and perspectives of physicians and dentists from a qualitative survey. PLOS ONE.

**Round 1**
- **Period:** 19/04/2021 - 25/04/2021
- **Participants:** n = 5 colleagues, professionals in the fields of health sciences, sociology, gerontology, speech therapy
- **Goal:** general comprehensibility and arrangement of items, comments from a specialized perspective
- **General findings:**
  - Clear wording – when is relation to health services explicitly and important, when not?
  - Uniform gendering with gender star
  - Split some items into two items to achieve a clearer focus or to ensure that, for example, the request for an explanation is not overread

| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| **Please specify your age.** [Bitte geben Sie Ihr Alter an.] | <29 years [< 29 Jahre] | none | works as intended | remains unchanged |
| | 20-29 years [20-29 Jahre] | | | |
| | 30-39 years [30-39 Jahre] | | | |
| | 40-49 years [40-49 Jahre] | | | |
| | 50-59 years [50-59 Jahre] | | | |
| | 60-69 years [60-69 Jahre] | | | |
| | 70-79 years [70-79 Jahre] | | | |
| | >79 years [> 79 Jahre] | | | |
| **Please specify your gender.** [Bitte geben Sie Ihr Geschlecht an.] | male [Männlich] | none | works as intended | remains unchanged |
| | female [Weiblich] | | | |
| | diverse [divers] | | | |
| | no specification | | | |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|------------------------------------------------|----------|
| Do you practice in employment or in your own practice? | In employment [In Anstellung] | none | works as intended | remains unchanged |
| [Praktizieren Sie in Anstellung oder in eigener Praxis?] | In my own practice [In eigener Praxis] | | | |
| | Other (text field) [Sonstiges (Textfeld)] | | | |
| How long have you been working in ambulatory healthcare? Please enter an integer. | Numeric field [Zahlenfeld] | none | works as intended | remains unchanged |
| [Wie lange praktizieren Sie bereits in der ambulanten Versorgung? Bitte geben Sie eine ganze Zahl an.] | | | | |
| Please enter the first two digits of the postal code of the practice where you (mainly) work. | Numeric field [Zahlenfeld] | As a participating person, one might ask what this is important for. Perhaps a small note could be inserted - to ensure complete anonymity. [„Als teilnehmende Person könnte man sich die Frage stellen, wofür das wichtig ist. Vielleicht kann man eine kleine Notiz einblenden – zur Sicherung der vollständigen Anonymität.“] | works as intended, anonymity addresses within the info text on the first page | remains unchanged |
| [Bitte geben Sie die ersten zwei Ziffern der Postleitzahl der Praxis an, in der Sie (hauptsächlich) arbeiten.] | | | | |
| What is the proportion of privately insured patients you treat? Please give an estimate. | < 10% | none | works as intended, uniform gendering with gender star | What is the proportion of private patients you treat? Please give an estimate. |
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| Original item                                                                 | Answer options | Comments | Summary based on provided answers and comments | New item                                                                 |
|------------------------------------------------------------------------------|----------------|----------|-------------------------------------------------|--------------------------------------------------------------------------|
| [Wie hoch ist der Anteil der von Ihnen behandelten Privatpatient/innen? Bitte geben Sie eine Schätzung an.] | >80%           |          |                                                 |                                                                          |
| In which area of healthcare are you mainly active?                           | Selection list | none     | works as intended                                | remains unchanged                                                        |
| [In welchem Bereich sind Sie hauptsächlich tätig?]                           |                |          |                                                 |                                                                          |
| Do you have a dental focus of activity or do you work in a dental specialist practice? | No [Nein]     | none     | works as intended                                | remains unchanged                                                        |
|         | Yes → „Please indicate the focus of activity“, text field                  |          |                                                 |                                                                          |
|         | [Ja → „Bitte geben Sie den Schwerpunkt an“, Textfeld]                      |          |                                                 |                                                                          |
| In your opinion, how much time was spent during your academic education and training to discuss the care of over 80-year-old or very old patients? (visual scale) | Little [wenig] |          | Adaptation of wording for a better understanding of the age phase, | 1) In your opinion, how much time was spent during your academic education to discuss the care of over 80-year-old or very old patients? |
|         | Rather little [eher wenig]                                                 |          | Normal selection scale instead of visual scale |                                                                          |
|         | Rather much [eher viel]                                                   |          | uniform gendering with gender star               |                                                                          |
|         | Much [viel]                                                              |          | Divide into one item on study and one item on specialist training |                                                                          |
|         | „actually you only use one gender star…“                                  |          |                                                 |                                                                          |
|         | [„eig. Macht man ja nun ein Gendersternchen…“]                             |          |                                                 |                                                                          |
|         | „perhaps a colour other than black? I would also write ‘during your studies and further training as a specialist’. And does this age specification make sense here? As a study content, I rather imagine high age in general and less specifically the exact age limit. And is the question about specialist |          |                                                 |                                                                          |


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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| How many further training courses have you attended in the last three years that dealt with the care of patients aged 80 and over? | < 3 | „KO02 highlight ‚three years‘?“ | works as intended, uniform gendering with gender star | How many further training courses have you attended in the last three years that dealt with the care of patients aged 80 and over? |
| | 3-6 | „KO02 ‚drei Jahre‘ hervorheben?“ | Since the item is already shown in bold in SoSciSurvey, no further emphasis needed | |
| | 7-10 | | | |
| | > 10 | | | |
| | [Wie viele Fortbildungen haben Sie darüber hinaus in den letzten drei Jahren besucht, die die Versorgung über 80-jähriger Patient/-innen thematisierten?] | | | [Wie viele Fortbildungen haben Sie darüber hinaus in den letzten drei Jahren besucht, die die Versorgung über 80-jähriger Patient/-innen thematisierten?] |
Providing ambulatory healthcare for people aged 80 and over: views and perspectives of physicians and dentists from a qualitative survey. PLOS ONE.

| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|------------------------------------------------|----------|
| In your opinion, are there enough training courses offered for you that deal with the care of patients aged 80 and over? [Werden Ihrer Meinung nach ausreichend Fortbildungen für Sie angeboten, die die Versorgung über 80-jähriger Patient*innen thematisieren?] | Yes [Ja] No [Nein] | KO03 Are you also interested in what further training they would like to receive? If so, this question could be well connected here [„KO03 ist es für dich auch interessant, welche Fortbildungen sie sich wünschen würden? Falls ja, könnte diese Frage hier gut angeschlossen werden.“] | works as intended | In your opinion, are there enough training courses offered for you that deal with the care of patients aged 80 and over? [Werden Ihrer Meinung nach ausreichend Fortbildungen für Sie angeboten, die die Versorgung über 80-jähriger Patient*innen thematisieren?] |

| How high is the proportion of people aged 80 and over in your daily work? Please provide an estimate. [Wie hoch schätzen Sie den Anteil der über 80-Jährigen in Ihrer täglichen Arbeit ein? Bitte geben Sie eine Schätzung an.] | < 10% 11-25% 26-40% 41-65% 66-80% >80% | "KO04 maybe another question, is this recorded accurately (through insurance scheme statements for example)?" [„KO04 vielleicht noch eine Frage, ob das genau erfasst wird (durch KK Abrechnungen zum Beispiel)?“] | works as intended |

| In the following, we would like to gain an insight into your work with patients aged 80 and over. For this purpose, we will now ask you a few open questions, which you can answer via a free text field. Please note three things: 1) You are free to answer the questions in bullet points or to describe them in more detail. However, whenever you can and would like to, we welcome brief explanations of your thoughts and reasons. This helps us to better understand your views. 2) "Care" does not only include medical aspects, but everything that is part of your daily or regular services. "KO05 'what you consider part of the care provided on a daily basis' sounds a bit bumpy; maybe leave out the 'to'. I think the explanation is generally important, and could perhaps also be mentioned in the introduction." [„KO05 ,was für Sie zur in der täglich erbrachten versorgung Adaptation of wording for a better understanding of the age phase, einheitliches Gendern mit Genderstern, in the following, we would like to gain an insight into your work with patients aged 80 and over. For this purpose, we will now ask you a few open questions, which you can answer via a free text field. Please keep three things in mind: | remains unchanged |
| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| 3) Please avoid giving personal data such as names. | | dazugehört‘ klingt etwas holprig; vielleicht das „zur“ weglassen. Finde die Erläuterung generell wichtig, könnte vielleicht auch schon in der Einleitung erwähnt werden.“] | | 1) You are free to answer the questions in bullet points or to describe them in more detail. However, whenever you can and would like to, we welcome brief explanations of your thoughts and reasons. This helps us to better understand your views. |
| [Im Folgenden möchten wir einen Einblick in Ihre Arbeit mit über 80-jährigen Patient/-innen gewinnen. Dazu stellen wir Ihnen nun ein paar offene Fragen, die Sie über ein Freitextfeld beantworten können. Bitte beachten Sie dabei drei Dinge: 1) Es steht Ihnen frei, die Fragen stichpunktartig zu beantworten oder etwas ausführlicher zu beschreiben. Wann immer Sie können und möchten, freuen wir uns jedoch über kurze Ausführungen Ihrer Gedanken und Begründungen. Das hilft uns, Ihre Ansichten besser zu verstehen. 2) Unter „Versorgung“ werden nicht nur medizinische Aspekte, sondern alles, was für Sie zu Ihren täglich oder regelmäßig erbrachten Leistungen dazugehört. 3) Bitte vermeiden Sie die Angabe personenbezogener Daten wie bspw. Namen.] | | [KO05 ich würde den zweiten Punkt eher als ein Fakt schreiben, als ohne „wir“: z.B. „Versorgung“ bezieht sich hier nicht nur auf medizinische Aspekte, sondern auf alles, was für Sie zur in der täglich erbrachten Versorgung dazugehört.“] | [Im Folgenden möchten wir einen Einblick in Ihre Arbeit mit über 80-jährigen Patient*innen gewinnen. Dazu stellen wir Ihnen nun ein paar offene Fragen, die Sie über ein Freitextfeld beantworten können. Bitte beachten Sie dabei drei Dinge: 1) Es steht Ihnen frei, die Fragen stichpunktartig zu beantworten oder etwas ausführlicher zu beschreiben. Wann immer Sie können und möchten, freuen wir uns jedoch über kurze Ausführungen Ihrer] |
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| Original item                                                                 | Answer options | Comments | Summary based on provided answers and comments | New item |
|-------------------------------------------------------------------------------|----------------|----------|-------------------------------------------------|----------|
| From your perspective, what are the special characteristics of patients aged 80 and over? Think of typical situations, for example. | text field     | none     | works as intended, uniform gendering with gender star | remains unchanged |
| [Welche besonderen Charakteristika kennzeichnen aus Ihrer Perspektive die über 80-jährigen Patient/-innen? Denken Sie hierbei zum Beispiel an typische Situationen.] | [Textfeld]      |          |                                                 |          |
| What is special about your work with patients aged 80 and over? Think, for example, of the special features that differ from working with younger patients. | text field     | „CV02: I find the question slightly suggestive; it could perhaps be worded more openly: In your experience, are there any special features in the work with/care of patients over 80 years of age? If so, what are they?“ | works as intended, uniform gendering with gender star | remains unchanged |
| [Welche Besonderheiten gibt es in Ihrer Arbeit mit den über 80-jährigen Patient*innen? Denken Sie hierbei zum Beispiel an Besonderheiten im Unterschied zur Arbeit mit jüngeren Patient*innen.] | [Textfeld]      |          | In order to keep the intended focus, first test with the real target group in the next round, then adjust if necessary - if necessary merge |          |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| What is the first thing you think of regarding good care for patients aged 80 and over and why do you think it is important? | text field [Textfeld] | "Is the intention here to give only one answer? Sounds like it to me. I would repeat myself here now and describe one of the things that came up in the previous question: so, for example, time." 
[., Ist hier beabsichtigt, nur eine Antwort zu geben? Klingt für mich works as intended Comment: since associations are involved, duplication is fine Adaptation for leaner wording | What is the first thing you think of regarding good care for people aged 80 and over and why do you think it is important? 
[Woran denken Sie als Erstes, wenn es um eine gute Versorgung über 80-Jähriger Patient/-innen geht und warum finden Sie das wichtig?]

"CV02 In the survey, you can go back to question 12 and think more about "typical" characteristics. If several of them already make references to younger patients in typical situations, you could think about how the characteristic "typical" can be emphasised even more."

[., „CV02 man kann dann ja in der Befragung nochmal zu Frage 12 zurückgehen und mehr an „typische“ Merkmale denken. Falls aus mehreren so geht, dass sie schon in den typischen Situationen Referenzen zu jüngeren Patient*innen stellen, könntest du nochmal überlegen, wie sich das Merkmal „typisch“ noch besser hervorheben lässt.”]
| Original item                                                                 | Answer options   | Comments                                                                 | Summary based on provided answers and comments | New item                                                                 |
|------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------|
| Which three aspects do you find challenging in caring for people aged 80 and over and why? Please write your short justification right after the mentioned aspect in the same line. | 3x text field    | „One quickly overlooks the second part of the question: the rationale“    | Separation of mention and justification in an extra item so that the justification is not overlooked and is given separately; also bypassing the concept of care so that the personal level can also be addressed if necessary | 1) Which three aspects do you find challenging in working with people aged 80 and over?                                                                 |
|                                                                                           | [3x Textfeld]    | [„Man überliest schnell den zweiten Teil der Frage: die Begründung“]      |                                               | [1] Welche drei Aspekte empfinden Sie als herausfordernd in der Arbeit mit über 80-Jährigen?]                                                                 |
|                                                                                           |                  | "HC02 Perhaps it would be interesting to have the framing, i.e. the aspect and the justification, separate? That way there might be more justification and not just a keyword given for aspect three. At this point (half of the questionnaire) it is important that respondents 'stick to it.'" |                                               | 2) Why do you find these aspects challenging?                                                                 |
|                                                                                           |                  | [„HC02 vielleicht wäre es interessant das Framing, also den Aspekt und die Begründung getrennt zu haben? So wird evtl. mehr begründet und bei Aspekt drei nicht nur ein Stichwort gegeben. An dieser Stelle (Hälfte des Fragebogens) ist es wichtig, dass die Befragten ‚an der Stange bleiben‘"] |                                               | [2] Warum empfinden Sie diese Aspekte als herausfordernd?]                                                                 |
| Which three aspects do you find enriching in caring for people aged 80                                                                 | 3x text field    | „HC03: rather 'in dealing with patients over 80' enriching care' - what is that supposed to mean in | Separation of mention and justification in an extra item so that the | 1) Which three aspects do you find enriching in working with people aged 80 and over?                                                                 |
|                                                                                           | [3x Textfeld]    |                                                                 | separation is not overlooked and is given separately; also bypassing the concept of care so that the personal level can also be addressed if necessary |                                                                 |
|                                                                                           |                  |                                                                 |                                               |                                                                 |
| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| and over or what potential do you see and why? Please write your short justification right after the mentioned aspect in the same line. | concrete terms? And 'potentials' also goes in another direction for me - more in the direction of potentials for improving care." [„HC03: eher „im Umgang mit über 80-jährigen Patient*innen‘? „bereichernd in der Versorgung‘ – auf was soll das konkret abzielen? Und „Potenziale‘ geht für mich auch nochmal in eine andere Richtung – eher Richtung Potenziale zur Verbesserung der Versorgung.“] | justification is not overlooked and is given separately; also bypassing the concept of care so that the personal level can also be addressed if necessary; Deletion of the term "potential" because a different concept is being addressed here | [1] Welche drei Aspekte empfinden Sie als bereichernd in der Arbeit mit über 80-Jährigen? |
| [Welche drei Aspekte empfinden Sie als bereichernd in der Versorgung über 80-Jähriger bzw. welche Potenziale sehen Sie und warum? Bitte schreiben Sie Ihre kurze Begründung gleich hinter den genannten Aspekt in dieselbe Zeile.] | "HC03 ' Which three aspects do you find enriching in the care of over 80-year-olds or which potentials do you see and why?' -> I would not ask for two different dimensions in one question" [„HC03 , Welche drei Aspekte empfinden Sie als bereichernd in der Versorgung über 80-Jähriger bzw. welche Potenziale sehen Sie und warum?’ -> ich würde nicht zwei doch unterschiedliche Dimensionen in einer Frage erheben”] | | [2] Warum empfinden Sie diese Aspekte als bereichernd? |
| What is going (rather) well or (rather) badly in your work with people aged 80 and over and why? | Text field: This is going (rather) well: "HC06: I find the question quite „general; is it specifically about the respective specialist care, is it The order is intended so that the following item (desired 1) What is going (rather) well in your work with people aged 80 and over and why? |
| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| [Was läuft in Ihrer Arbeit mit den über 80-Jährigen aktuell (eher) gut oder (eher) schlecht und warum?] | Textfeld: Das läuft (eher) gut: | about everyday practice? Perhaps one could also swap the order of the questions: These first and then go to challenges and potentials. Then you would have the concrete first and then the abstract.“ | improvement measures) can be drawn from experience: Separation into two items for better understanding | [1) Was läuft in Ihrer Arbeit mit den über 80-Jährigen (eher) gut und warum?] |
| | Text field: This is going (rather) badly: | „MV01 I like the question!” | 1) What is going (rather) bad in your work with people aged 80 and over and why? | |
| | [Textfeld: Das läuft (eher) schlecht:] | „MV01 Die Frage finde ich gut!” | [2) Was läuft in Ihrer Arbeit mit den über 80-Jährigen (eher) schlecht und warum?] | |
| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| Providing ambulatory healthcare for people aged 80 and over: views and perspectives of physicians and dentists from a qualitative survey. PLOS ONE. | | | | |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| In previous studies, we have found that three basic motives shape the care wishes of people aged 80 and over: to feel safe, to feel like a meaningful human being, and to maintain autonomy and independence. | … to feel safe?  
[s… sich sicher fühlen?]  
… feel recognized as meaningful human being?  
[s… sich als bedeutsame Menschen wahrgenommen fühlen?]  
… be able to maintain autonomy and independence?  
[... Autonomie und Unabhängigkeit bewahren können?] | "AW01 to AW04: Find it a big jump from the results of the survey to the question of ensuring these three aspects in the context of care. Would at least make the reference 'to be ensured in the context of care' even clearer. The three aspects otherwise sound very general and could also apply independently of care"  
[„AW01 bis AW04: Finde es einen großen Sprung von den Ergebnissen der Untersuchung zur Frage der Gewährleistung dieser drei Aspekte im Rahmen von Versorgung. Würde zumindest den Bezug noch deutlicher machen ‚im Rahmen der Versorgung zu gewährleisten‘. Die drei Aspekte klingen sonst sehr allgemein und könnten auch Versorgungs-unabhängig gelten’]  
"I just noticed that the font size is relatively small. Is it my resolution works as intended, uniform gendering with gender star  
specific reference to care included in the item  
Jump may be due to the fact that concepts are now "imported" from the Systematic Review  
Unfortunately, font size cannot be changed in this item mode | In previous studies, we found that three basic motives shape the care wishes of people aged 80 and over: to feel safe, to feel like a meaningful human being, and to maintain autonomy and independence. | [2] Wenn Sie über 80-jährige Patient*innen nicht so versorgen können, wie Sie persönlich es für richtig und wichtig halten – woran liegt das? (Textfeld)]
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| Is there anything else that you think is important for the care of patients aged 80 and over or that you would like to add? | text field [Textfeld] | none | works as intended, uniform gendering with gender star | Is there anything else that you think is important for the care of patients aged 80 and over or that you would like to add? |
| [Gibt es noch etwas, dass Sie für die Versorgung über 80-jähriger Patient/-innen wichtig finden oder ergänzen möchten?] | text field [Textfeld] | none | works as intended, uniform gendering with gender star | Is there anything else that you think is important for the care of patients aged 80 and over or that you would like to add? |
| [Die Befragung ist nun fast beendet. Wenn Sie nochmal kurz über Ihre vorangegangenen Antworten nachdenken: Hat die Coronapandemie etwas an Ihrer Sichtweise geändert und wenn ja, was?] | text field [Textfeld] | none | works as intended | remains unchanged |
| The survey is now almost over. Reflecting briefly on your previous answers, has the corona pandemic changed your views and if so, how? | text field [Textfeld] | none | works as intended | remains unchanged |
| [„Mir fällt gerade auf, dass die Schriftgröße relativ klein ist. Liegt es an meiner Auflösung oder lässt sich diese automatisch erhöhen?”] | | | | |
| or can it be increased automatically?” | | | | |
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Round 2

- Period: 15/09/2021-05/10/2021
- Participants: n = 6 (additionally two drop-outs), real-world sample, recruited via private/professional contacts, n = 3 of them from dentistry, 1x general/internal medicine, 1x otorhinolaryngology, 1x internal medicine
- 20-29 year old: n = 2, 30-39 years old: n = 4, 40-49 years old: n = 2; male: n = 1, female: n = 7
- Goal: Comprehensibility, applicability and acceptance in the real-world sample
- General findings:
  o Shorten or merge, also in the selection questions; there were some duplications, in addition, feedback came from two to three doctor networks that completion time is the critical factor
  o Separate reasons in a separate field not favourable, instead ask for description, encourage more writing
  o Shorten info text before open questions, do not encourage too many short answers
  o Particularly in the case of challenges with multiple enumeration, etc.: rather summarise and ask for description
  o Question about "what is (not) going well" does not work well and is sometimes perceived as a duplication; instead, integrate it into challenges
  o In the formulations, pay attention to the target group 80+ compared to younger groups
  o Instead of "care" use "practice, treatment" or similar.
  o Guide the participants through the questionnaire with "first part, second part, last part" so that they can keep going until the end

| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| Please specify your age. | <29 years [< 29 Jahre] | - | works as intended | remains unchanged |
| [Bitte geben Sie Ihr Alter an.] | 20-29 years [20-29 Jahre] | | | |
| | 30-39 years [30-39 Jahre] | | | |
| | 40-49 years [40-49 Jahre] | | | |
| | 50-59 years [50-59 Jahre] | | | |
| | 60-69 years [60-69 Jahre] | | | |
| | 70-79 years [70-79 Jahre] | | | |
| | >79 years [> 79 Jahre] | | | |
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| Original item                                                                 | Answer options                                      | Comments | Summary based on provided answers and comments | New item |
|------------------------------------------------------------------------------|-----------------------------------------------------|----------|-------------------------------------------------|----------|
| Please specify your gender.                                                   | male [Männlich] 
female [Weiblich] 
diverse [divers] 
no specification [Keine Angabe] | -        | works as intended                               | remains unchanged |
| [Bitte geben Sie Ihr Geschlecht an.]                                        |                                                     |          |                                                 |          |
| Do you practice in employment or in your own practice?                       | In employment [In Anstellung] 
In my own practice [In eigener Praxis] 
Other (text field) [Sonstiges (Textfeld)] | „You can't really call it really practice yet, but otherwise I wouldn't be the target group?“ | Value of insight? Can be deleted for brevity, especially since there are some discrepancies or non-completion | Deleted |
| [Praktizieren Sie in Anstellung oder in eigener Praxis?]                     |                                                     |          |                                                 |          |
| How long have you been working in ambulatory healthcare? Please enter an integer. | Numeric field [Zahlenfeld]                         | -        | works as intended                               | remains unchanged |
| [Wie lange praktizieren Sie bereits in der ambulanten Versorgung? Bitte geben Sie eine ganze Zahl an.] |                                                     |          |                                                 |          |
| Please enter the first two digits of the postal code of the practice where you (mainly) work. | Numeric field [Zahlenfeld]                         | -        | works as intended                               | remains unchanged |
| [Bitte geben Sie die ersten zwei Ziffern der Postleitzahl der Praxis an, in der Sie (hauptsächlich) arbeiten.] |                                                     |          |                                                 |          |
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| Original item                                                                 | Answer options | Comments | Summary based on provided answers and comments | New item                  |
|-------------------------------------------------------------------------------|----------------|----------|-------------------------------------------------|---------------------------|
| What is the proportion of privately insured patients you treat?              | < 10%          | -        | works as intended                               | remains unchanged         |
| Please give an estimate.                                                     | 11-25%         |          |                                                 |                           |
| [Wie hoch ist der Anteil der von Ihnen behandelten Privatpatient*innen? Bitte geben Sie eine Schätzung an.] | 26-40%         |          |                                                 |                           |
|                                                                               | 41-65%         |          |                                                 |                           |
|                                                                               | 66-80%         |          |                                                 |                           |
|                                                                               | >80%           |          |                                                 |                           |
| In which area of healthcare are you mainly active?                          | Selection list | --       | works as intended                               | remains unchanged         |
| [In welchem Bereich sind Sie hauptsächlich tätig?]                            | [Auswahlliste] |          |                                                 |                           |
| Do you have a dental focus of activity or do you work in a dental specialist practice? | No             | -        | works as intended                               | remains unchanged         |
| [Haben Sie einen zahnmedizinischen Tätigkeitsschwerpunkt oder arbeiten Sie in einer Zahnmedizinischen Facharztpraxis?] | [Nein]         |          |                                                 |                           |
| Yes → „Please indicate the focus of activity“, text field                    |                |          |                                                 |                           |
| [Ja → „Bitte geben Sie den Schwerpunkt an“, Textfeld]                        |                |          |                                                 |                           |
| 1) In your opinion, how much time was spent during your academic education to discuss the care of over 80-year-old or very old patients? | Little         | -        | Value of insight? Can be deleted for brevity, especially as there are some inconsistencies or omissions in the following similar question | Deleted, later more global question |
| [1) Wie viel Zeit wurde Ihrer Einschätzung nach während des]                  | [wenig]        |          |                                                 |                           |
|                                                                               | Rather little  |          |                                                 |                           |
|                                                                               | [eher wenig]   |          |                                                 |                           |
|                                                                               | Rather much    |          |                                                 |                           |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| Studiums aufgewendet, um die Versorgung über 80-jähriger bzw. hochaltriger Patient*innen zu thematisieren? | [eher viel] | | | |
| | Much | "Zahnmediziner haben ja nicht unbedingt einen Facharzt bzw. studieren ja direkt den Facharzt…“| Value of insight? Can be deleted for brevity, especially since there are some discrepancies or non-completion | Deleted, later more global question |
| 2) In your opinion, how much time was spent during specialist training to address the issue of care for over 80-year-old or very old patients? | Little | "I just related the last question to my situation, I'm not in further education...” | | |
| | [wenig] | [eher wenig] | | |
| | Rather little | [eher viel] | "Dentists do not necessarily have a specialist or study the specialist directly..." | | |
| | Much | "Zahnmediziner haben ja nicht unbedingt einen Facharzt bzw. studieren ja direkt den Facharzt…“" | | |
| | [viel] | | | |
| How many further training courses have you attended in the last three years that dealt with the care of patients aged 80 and over? | < 3 | "The KO02 training courses do not have "older people" as the main topic, but e.g. prosthetics. The topic then relates specifically to older people.“ | Value of insight? Can be deleted for brevity | Deleted |
| | 3-6 | | | |
| | 7-10 | | | |
| | > 10 | | | |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-------------------------------------------------|----------|
| **In your opinion, are there enough training courses offered for you that deal with the care of patients aged 80 and over?** [Werden Ihrer Meinung nach ausreichend Fortbildungen für Sie angeboten, die die Versorgung über 80-jähriger Patient/-innen thematisieren?]
| Yes [Ja] | - | Value of insight? Can be deleted for of brevity, especially since there are some non-completions | Deleted, later more global question |
| No [Nein] | | | |

| **How high is the proportion of people aged 80 and over in your daily work? Please provide an estimate.**
[Wie hoch schätzen Sie den Anteil der über 80-Jährigen in Ihrer täglichen Arbeit ein? Bitte geben Sie eine Schätzung an.]
| < 10% | "Actually, that's just a rough estimate, you don't always have that exact age in mind. You would have to look through the patient files."
[,,Tatsächlich ist das nur eine grobe Schätzung, so genau hat man das Alter nicht immer im Kopf. Da müsste man die Patientenakten durchsehen."] | works as intended | remains unchanged |
| 11-25% | | | |
| 26-40% | | | |
| 41-65% | | | |
| 66-80% | | | |
| >80% | | | |

In the following, we would like to gain an insight into your work with patients aged 80 and over. For this purpose, we will now ask you a few open questions, which you can answer via a free text field. Please keep three things in mind: 1) You are free to answer the questions in bullet points or to describe them in more detail. However, whenever you can and would like to, we welcome brief explanations of your thoughts and reasons. This helps us to better understand your views.
2) "Care" is not only understood to mean medical aspects, but everything that is part of the services you provide on a daily or regular basis.
3) Please avoid giving personal data such as names.

- Shorten and rather motivate to provide a a description; so far rather a suggestion to summarize

In the following second part of the survey, we would like to gain an insight into your work with patients aged 80 and over.
Please note: We would be pleased if you could describe your personal perception in a few sentences. Your explanations will help us to better understand your daily work and your views.
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| [Im Folgenden möchten wir einen Einblick in Ihre Arbeit mit über 80-jährigen Patient*innen gewinnen. Dazu stellen wir Ihnen nun ein paar offene Fragen, die Sie über ein Freitextfeld beantworten können. Bitte beachten Sie dabei drei Dinge: 1) Es steht Ihnen frei, die Fragen stichpunktartig zu beantworten oder etwas ausführlicher zu beschreiben. Wann immer Sie können und möchten, freuen wir uns jedoch über kurze Ausführungen Ihrer Gedanken und Begründungen. Das hilft uns, Ihre Ansichten besser zu verstehen. 2) Unter „Versorgung“ werden nicht nur medizinische Aspekte verstanden, sondern alles, was für Sie zu Ihren täglich oder regelmäßig erbrachten Leistungen dazugehört. 3) Bitte vermeiden Sie die Angabe personenbezogener Daten wie bspw. Namen.] | | | | Please avoid giving personal data (e.g., names) to ensure anonymity. |
| | text field | - | Basically works as intended; rephrase and encourage more general description, integrating the following item | | |
| From your perspective, what are the special characteristics of patients over the age of 80? Think of typical situations, for example. | [Textfeld] | | How would you characterise your work with patients aged 80 and over? Please describe perceived particularities of this patient group or typical situations in contrast to working with younger patients. | | |
| [Welche besonderen Charakteristika kennzeichnen aus Ihrer Perspektive die über 80-jährigen Patient/-innen? Denken Sie hierbei zum Beispiel an typische Situationen.] | | | [Wie würden Sie Ihre Arbeit mit über 80-jährigen Patient*innen charakterisieren? Bitte beschreiben Sie wahrgenommene | | |

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| Original item                                                                 | Answer options | Comments                                                                 | Summary based on provided answers and comments                                                                 | New item                                                                                                           |
|------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| What is special about your work with patients aged 80 and over? Think, for example, of the special features that differ from working with younger patients. | text field     | „CV02 Unterschied zur Vorfrage?“ „Doppelt sich die Frage nicht mit der davor?“ | Value of insight? Can be deleted for brevity, especially as there are some areas that have not been filled in and difficulties in understanding | Deleted/merged with previous question                                                                               |
| What is the first thing you think of regarding good care for people aged 80 and over and why do you think it is important? | text field     | -                                                                      | Basically works as intended; rephrase and encourage more general description                                      | Please describe what, in your view, constitutes good healthcare in older age.                                        |
| Which three aspects do you find challenging in working with people aged 80 and over? | 3x text field   | "HC02 I don't understand the questions now.” \[„HC02 Die Fragen verstehe ich jetzt nicht.“\] | Partial non-completion and difficulties in understanding; rewording to more global question, integrating subsequent items (duplicates); rephrasing to | Please describe the challenges you encounter in working with people aged 80 and over.                                  |
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| Original item                                                                 | Answer options | Comments                                                                 | Summary based on provided answers and comments | New item                                                                 |
|------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------|
| [Welche drei Aspekte empfinden Sie als herausfordernd in der Arbeit mit über 80-Jährigen?] | text field     | -                                                                        | encourage description (perhaps naming a number of aspects is both too challenging and too inviting to answer very succinctly) | [Bitte beschreiben Sie, welche Herausforderungen Ihnen in der Arbeit mit über 80-Jährigen begegnen.]
| Why do you find these aspects challenging?                                   | 3x text field  | "I really don't understand these questions. All patients are special..."  | See above, instead a global question about challenges             | Deleted/merged with previous question                                    |
| Which three aspects do you find enriching in working with people aged 80 and over? | "I can't think of anything right now. Of course, all this is not just bad and difficult with the older ones, but I wouldn't call it "enriching" either." | This question works very poorly; delete for brevity and instead ask for supporting factors in the specific question about factors that prevent good care | Deleted, instead an additional item about support factors later          |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-------------------------------------------------|----------|
| **Why do you find these aspects enriching?** | text field [Textfeld] | - | This question works poorly; delete for brevity and instead ask for supporting factors in the specific question about factors that prevent good care | Deleted, instead an additional question about support factors later |
| [Warum empfinden Sie diese Aspekte als bereichernd?] | **What is going (rather) well in your work with people aged 80 and over and why?** | text field [Textfeld] | "What exactly do you want to know? Do you mean in comparison to other age groups?" [„Was wollen Sie konkret wissen? Meinen Sie im Vergleich zu anderen Altersgruppen?“] | This question works poorly; delete for brevity and instead ask for supporting factors in the specific question about factors that prevent good care | Deleted, instead an additional item about support factors later |
| [Was läuft in Ihrer Arbeit mit den über 80-Jährigen (eher) gut und warum?] | **What is going (rather) bad in your work with people aged 80 and over and why?** | text field [Textfeld] | "It's not really clear to me what is meant here. What is difficult has already been discussed before.” [„Hier ist mir nicht so klar, was gemeint ist. Was schwierig ist, wurde ja auch vorher schon thematisiert.“] | see above, instead a global question about challenges | deleted/merged with question about challenges |
| [Was läuft in Ihrer Arbeit mit den über 80-Jährigen (eher) schlecht und warum?] | **What measures do you wish for to improve care for people aged 80 and over and why?** | text field [Textfeld] | - | Partially not answered, reason unclear, possibly lack of motivation or no ideas; in general, however, the question seems to be working as intended; adaptation of the wording according to the general results, e.g., concept of care | What measures would you welcome for the future design or improvement of ambulatory healthcare with regard to older age? This does not only have to address the patients directly, but also think about what would be helpful for you in your work and role as a medical professional. |
| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| Versorgung über 80-Jähriger und warum? Dabei muss es nicht nur direkt um die Patient*innen gehen, denken Sie auch daran, was für Sie in Ihrer Arbeit und Rolle als Mediziner*in hilfreich wäre.] | No [Nein] rather no [eher nein] rather yes [eher ja] yes [ja] | - | Works as intended, rephrasing to incorporate previous deleted questions; flip the scale so there is no negative priming | [Welche Maßnahmen würden Sie zur zukünftigen Gestaltung oder Verbesserung der ambulanten Gesundheitsversorgung im Hinblick auf das hohe Alter begrüßen? Dabei muss es nicht nur direkt um die Patient*innen gehen, denken Sie auch daran, was für Sie in Ihrer Arbeit und Rolle als Mediziner*in hilfreich wäre.] |
| Do you feel well educated or trained to care for patients aged 80 and over? [Fühlen Sie sich gut für die Versorgung über 80-jähriger Patient*innen aus- bzw. fortgebildet?] | <25% 25-49% 50-75% > 75 % | - | Partially not answered, reason for this is unclear, possibly declining motivation or no estimate possible, but basically works as intended | Combined from all education/training questions: In general, do you feel well and sufficiently educated and trained for working with over 80s? Turn scale [Zusammengeführt aus allen Aus-/Fortbildungsfragen: Fühlen Sie sich im Allgemeinen gut und ausreichend für die Arbeit mit über 80-Jährigen aus- und fortgebildet? Skala umdrehen] |
| In how many cases can you care for patients aged 80 and over in a way that you personally think is right and important? Please provide an estimate. | - | - | remains unchanged |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| [In wie vielen Fällen können sie über 80-jährige Patient*innen so versorgen, wie Sie persönlich es für richtig und wichtig halten? Bitte geben Sie eine Schätzung an.] | text field [Textfeld] | - | works as intended | Same, additional question about support instead of "what is going well" above. What supports you in treating patients aged 80 and over in the way you personally think is right and important? [Gleichbleibend, zusätzlich Frage nach Unterstützung statt „was läuft gut“ oben Was unterstützt Sie dabei, über 80-Jährige so zu behandeln, wie Sie persönlich es für richtig und wichtig halten?] |
| If you cannot care for patients aged 80 and over in the way you personally think is right and important – what is the reason? text field | | | | |
| [Wenn Sie über 80-jährige Patient*innen nicht so versorgen können, wie Sie persönlich es für richtig und wichtig halten – woran liegt das? (Textfeld)] | | | | |
| In previous studies, we found that three basic motives shape the care wishes of people aged 80 and over: to feel safe, to feel like a meaningful human being, and to maintain autonomy and independence. What is the first thing you think of with regard to ensuring in | … to feel safe? […] sich sicher fühlen?] | - | Partially not answered, reason is unclear, possibly lack of motivation or no ideas, but basically works as intended | remains unchanged |
| | … feel recognized as meaningful human being? | - | Partially not answered, reason is unclear, possibly lack of motivation or no ideas, but basically works as intended | |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| care that patients aged 80 and over... | [... sich als bedeutsame Menschen wahrgenommen fühlen?] | Partially not answered, reason is unclear, possibly lack of motivation or no ideas, but basically works as intended | | |
| | [... be able to maintain autonomy and independence?] | | | |
| | [... Autonomie und Unabhängigkeit bewahren können?] | | | |
| The survey is now almost over. Reflecting briefly on your previous answers, has the corona pandemic changed your views and if so, how? | text field [Textfeld] | No results that seem to influence the survey, moreover, much more time has now passed with the pandemic, experience from interviews is also that this "control question" is not of much use; therefore, also deleted for brevity | deleted |
| | | | | |
| Is there anything else that you think is important for the care | text field [Textfeld] | Works as intended, shorten the wording a bit and refer to the last item | | Is there anything else you would like to add to this topic? |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| of patients over 80 or that you would like to add? | | | | [Gibt es noch etwas, dass Sie für die Versorgung über 80-jähriger Patient*innen wichtig finden oder ergänzen möchten?]
| Was this survey easy to understand and ran smoothly for you? If you have any further comments on this survey that you would like us to take into account in the revision, please feel free to enter them here. | "See Notes" | "Yes" | Above all, merge and shorten duplicate and similar questions | |
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**Round 3 (final survey)**
- **Period:** 06/10/2021-15/10/2021
- **Participants:** n = 7, real-world sample (additionally two drop-outs), of which n = 4 dentistry, 1x nuclear medicine, 1x human genetics, 1x dermatology
- **20-29 years old:** n = 1, 30-39 years old: n = 4, 40-49 years old: n = 2; male: n = 1, female: n = 6
- **Goal:** Comprehensibility, applicability and acceptance in the real-world sample
- **General findings:**
  - The items work as intended
  - There were only a few comments, but after discussion in the research team, they were not relevant (for the aim of the study)
  - The survey draft is thus considered confirmed, no more changes will be made, the survey is ready for data collection

| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| Please specify your age. | <29 years [≤ 29 Jahre] | - | works as intended | remains unchanged |
| Bitte geben Sie Ihr Alter an. | 20-29 years [20-29 Jahre] | | | |
| | 30-39 years [30-39 Jahre] | | | |
| | 40-49 years [40-49 Jahre] | | | |
| | 50-59 years [50-59 Jahre] | | | |
| | 60-69 years [60-69 Jahre] | | | |
| | 70-79 years [70-79 Jahre] | | | |
| | >79 years [> 79 Jahre] | | | |
| Please specify your gender. | male [Männlich] | - | works as intended | remains unchanged |
| Bitte geben Sie Ihr Geschlecht an. | female [Weiblich] | | | |
| | diverse [divers] | | | |
| | no specification | | | |
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| Original item                                                                 | Answer options | Comments                                                                 | Summary based on provided answers and comments | New item               |
|-------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------|------------------------------------------------|------------------------|
| How long have you been working in ambulatory healthcare?                     | Numeric field  | “The overall ambulatory activity is longer than the specialized activity. Is that relevant? I can't give any information here about how long I've been working in a "specialized" manner.” | Works as intended, the annotation is irrelevant | remains unchanged      |
| Please enter the first two digits of the postal code of the practice where you (mainly) work. | Numeric field  |                                                                 | works as intended                               | remains unchanged      |
| In which area of healthcare are you mainly active?                           | Selection list |                                                                 | works as intended                               | remains unchanged      |
| Do you have a dental focus of activity or do you work in a dental specialist practice? | No             | -                                                                       | works as intended                               | remains unchanged      |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| [Haben Sie einen zahnmedizinischen Tätigkeitsschwerpunkt oder arbeiten Sie in einer Zahnmedizinischen Facharztpraxis?] | Yes ⇒ „Please indicate the focus of activity“, text field | | | |
| [Ja ⇒ „Bitte geben Sie den Schwerpunkt an“, Textfeld] | | | | |
| What is the proportion of privately insured patients you treat? Please give an estimate. | < 10% | - | works as intended | remains unchanged |
| [Wie hoch ist der Anteil der von Ihnen behandelten Privatpatient*innen? Bitte geben Sie eine Schätzung an.] | 11-25% | | | |
| | 26-40% | | | |
| | 41-65% | | | |
| | 66-80% | | | |
| | >80% | | | |
| How high is the proportion of people aged 80 and over in your daily work? Please provide an estimate. | < 10% | - | works as intended | remains unchanged |
| [Wie hoch schätzen Sie den Anteil der über 80-Jährigen in Ihrer täglichen Arbeit ein? Bitte geben Sie eine Schätzung an.] | 11-25% | | | |
| | 26-40% | | | |
| | 41-65% | | | |
| | 66-80% | | | |
| | >80% | | | |
| Do you feel well educated or trained to care for over 80-year-old patients? | Yes [Ja] | - | works as intended | remains unchanged |
| [Fühlen Sie sich gut für die Versorgung über 80-jähriger Patient*innen aus- bzw. fortgebildet?] | Rather yes [eher ja] | | | |
| | Rather no [Eher nein] | | | |
| | No [nein] | | | |
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| Original item                                                                 | Answer options | Comments | Summary based on provided answers and comments | New item               |
|-------------------------------------------------------------------------------|----------------|----------|---------------------------------------------|-----------------------|
| **In the following second part of the survey, we would like to gain an insight into your work with patients aged 80 and over.** Please note: We would be pleased if you could describe your personal perception in a few sentences. Your explanations will help us to better understand your daily work and your views. Please avoid giving personal data (e.g., names) to ensure anonymity. | -              |作品 as intended | remains unchanged | remains unchanged |
| [Im folgenden zweiten Teil der Befragung möchten wir einen Einblick in Ihre Arbeit mit über 80-jährigen Patient*innen gewinnen. Bitte beachten Sie: Wir freuen uns, wenn Sie uns Ihre persönliche Wahrnehmung in einigen Sätzen beschreiben. Ihre Erläuterungen helfen uns, Ihren Arbeitsalltag und Ihre Ansichten besser zu verstehen. Bitte vermeiden Sie die Angabe personenbezogener Daten (bspw. Namen), um die Anonymität zu gewährleisten.] | -              |作品 as intended | remains unchanged | remains unchanged |
| **How would you characterise your work with patients aged 80 and over?** Please describe perceived particularities of this patient group or typical situations in contrast to working with younger patients.** | text field [Textfeld] | -         | works as intended                           | remains unchanged |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| Unterschied zur Arbeit mit jüngerer Patient*innen. | text field | "CV03 - does the question refer to my field (e.g. human genetics) or to the Germany-wide health system?" [„CV03 – bezieht sich die Frage auf meinen Bereich (z.B. Humangenetik) oder auf das deutschlandweite Gesundheitssystem?“] | Works as intended; no more precise specification, because depending on the heterogeneity of the final sample, conclusions would otherwise be too difficult, and this comment is made for the first time | remains unchanged |
| Please describe what, in your view, constitutes good healthcare in older age. | text field [Textfeld] | "I already answered these aspects in the penultimate question. For me, special features are also the challenges." [„Diese Aspekte habe ich bereits bei der vorletzten Frage beantwortet. Besonderheiten sind für mich auch die Herausforderungen.“] | Works as intended; no more precise specification, because depending on the heterogeneity of the final sample, conclusions would otherwise be too difficult, and this comment is made for the first time; conceptually, challenges are to be separated from generally perceived peculiarities; no conversion, otherwise framing of challenges (negative) would be possible | remains unchanged |
| Please describe the challenges you encounter in working with people aged 80 and over. | text field [Textfeld] | "HO02 should come before CV03 in my opinion" [challenges before ideas of good care] [„HO02 sollte meiner Meinung nach vor CV03 kommen“ [Herausforderungen vor CV03]} | Works as intended; no more precise specification, because depending on the heterogeneity of the final sample, conclusions would otherwise be too difficult, and this comment is made for the first time; conceptually, challenges are to be separated from generally perceived peculiarities; no conversion, otherwise framing of challenges (negative) would be possible | remains unchanged |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| This is the last part of the questionnaire. In how many cases can you care for patients aged 80 and over in a way that you personally think is right and important? Please provide an estimate. | <25% | "Wouldn't the question be more whether I can care for the patients in the way THEY think is right and important? Topic: Patient-centered (dental) medicine" | Works as intended; no more precise specification, because depending on the heterogeneity of the final sample, conclusions would otherwise be too difficult, and this comment is made for the first time | remains unchanged |
| [Es folgt der letzte Teil der Befragung. In wie vielen Fällen können Sie über 80-jährige Patient*innen so versorgen, wie Sie persönlich es für richtig und wichtig halten? Bitte geben Sie eine Schätzung an.] | 25-49% | | | |
| | 50-75% | | | |
| | > 75% | | | |
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| Original item                                                                 | Answer options | Comments                                                                                                                                   | Summary based on provided answers and comments                                                                 | New item                      |
|--------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------|
| If you cannot care for patients aged 80 and over in the way you personally think is right and important – what is the reason? [Wenn Sie über 80-jährige Patient*innen nicht so versorgen können, wie Sie persönlich es für richtig und wichtig halten – woran liegt das?] | text field     | "See note on previous question. Regarding AP02 and AP03: The question should rather be whether I treated the patients correctly at their discretion. Topic patient-centered (dental) medicine. The way I think it is right and/or important is rather secondary.” [„Siehe Anmerkung zur vorherigen Frage. Zu AP02 und AP03: Die Frage sollte eher lauten, ich die Patient:innen nach ihrem Ermessen richtig behandelt habe. Thema Patientenzentrierte (Zahn-)Medizin. So wie ich es für richtig und oder wichtig halte ist da eher nebensächlich.“] "AP03 - does the question relate to my area (e.g. human genetics) or to the German health system?" [„AP03 – bezieht sich die Frage auf meinen Bereich (z.B. Humangenetik) oder | Works as intended; no more precise specification, because depending on the heterogeneity of the final sample, conclusions would otherwise be too difficult, and this comment is made for the first time | remains unchanged           |
Providing ambulatory healthcare for people aged 80 and over: views and perspectives of physicians and dentists from a qualitative survey. PLOS ONE.

| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| What supports you in treating people aged 80 and over in the way you personally think is right and important? [Was unterstützt Sie dabei, über 80-Jährige so zu behandeln, wie Sie persönlich es für richtig und wichtig halten?] | text field [Textfeld] | "AP05 - does the question relate to my area (e.g. human genetics) or to the German health system?" [,„AP05 – bezieht sich die Frage auf meinen Bereich (z.B. Humangenetik) oder auf das deutschlandweite Gesundheitssystem?“] | Works as intended; no more precise specification, because depending on the heterogeneity of the final sample, conclusions would otherwise be too difficult, and this comment is made for the first time | remains unchanged |
| In previous studies, we found that three basic motives shape the care wishes of people aged 80 and over: to feel safe, to feel like a meaningful human being, and to maintain autonomy and independence. What is the first thing you think of with regard to ensuring in care that patients aged 80 and over… [In vorangegangenen Untersuchungen haben wir herausgefunden, dass die folgenden drei Aspekte für über 80-Jährige relevant sind. Wodurch glauben Sie, können Sie gewährleisten, dass über 80-jährige Patient*innen…] | … to feel safe? […] sich sicher fühlen?] | "AW01 Does the question relate to my area (e.g. human genetics) or to the German health system?" [,„AW01 bezieht sich die Frage auf meinen Bereich (z.B. Humangenetik) oder auf das deutschlandweite Gesundheitssystem?“] | Works as intended; no more precise specification, because depending on the heterogeneity of the final sample, conclusions would otherwise be too difficult, and this comment is made for the first time | remains unchanged |
Providing ambulatory healthcare for people aged 80 and over: views and perspectives of physicians and dentists from a qualitative survey. PLOS ONE.

| Original item                                                                                                                                                                                                 | Answer options | Comments                                                                                                                                                                                                 | Summary based on provided answers and comments                                                                                                                                                                                                 | New item |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| What role does relationship-building with patients aged 80 and over play for you? Please describe how you perceive your relationship with patients over 80 and what relevance you attribute to the relationship level. | text field [Textfeld] | "difficult question AW05, answer options would be better".  
[,]schwierige Frage AW05, Antwortmöglichkeiten wären besser"]  
"AW05 - does the question relate to my area (e.g. human genetics) or to the German health system? AW05 puhhh ... you could write a lot here and I'm just losing interest. With such a question, I would prefer options (multiple answers) and an additional point for your own comments"”  
[,]AW05 – bezieht sich die Frage auf meinen Bereich (z.B. Humangenetik) oder auf das deutschlandweite Gesundheitssystem? AW05 puhhh … hier könnte man viel schreiben und ich verliere gerade die Lust. Bei so einer Frage würde ich Auswahlmöglichkeiten (Mehrfachnennung) bevorzugen und einen zusätzlichen Punkt für eigene Kommentare”] | Was tested for round 3 because the topic became relevant again in the course of the analysis of a parallel interview study 3x not answered, criticism of the question (lengthy answer), possibly the motivation tilts at this point → therefore, rather delete, seems too complex or participants hardly inclined to answer this question in writing | Deleted  |
Providing ambulatory healthcare for people aged 80 and over: views and perspectives of physicians and dentists from a qualitative survey. PLOS ONE.

| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| This is the end of the survey. **What measures would you welcome for the future design or improvement of ambulatory healthcare with regard to older age?** This does not only have to address the patients directly, but also think about what would be helpful for you in your work and role as a medical professional. | text field [Textfeld] | "MV01 - see also question AW05 ... you could write a lot here and I'm just losing interest. With such a question, I would prefer options (multiple answers) and an additional point for your own comments" | Generally works as intended by deleting the previous item maintenance of motivation level | remains unchanged |
| [Zum Abschluss: **Welche Maßnahmen würden Sie zur zukünftigen Gestaltung oder Verbesserung der ambulanten Gesundheitsversorgung im Hinblick auf das hohe Alter begrüßen?** Dabei muss es nicht nur direkt um die Patient*innen gehen, denken Sie auch daran, was für Sie in Ihrer Arbeit und Rolle als Mediziner*in hilfreich wäre.] | | | | |
| Is there anything else you would like to add to this topic? [Gibt es noch etwas, dass Sie abschließend zu diesem Thema ergänzen möchten?] | text field [Textfeld] | - | works as intended | remains unchanged |
| Was this survey easy to understand and ran smoothly for you? If you have any further | -, -, „yes“ | After this round, the survey appears operational, and the pretest is ended | | |
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| Original item | Answer options | Comments | Summary based on provided answers and comments | New item |
|---------------|----------------|----------|-----------------------------------------------|----------|
| comments on this survey that you would like us to take into account in the revision, please feel free to enter them here. | „Jipp.“ | "Yes, except for small things, see notes." | | |
| [War diese Befragung für Sie gut verständlich und reibungslos durchführbar? Wenn Sie noch weitere Anmerkungen zu dieser Befragung haben, die wir in der Überarbeitung berücksichtigen sollen, können Sie dies gerne hier eintragen.] | „Ja bis auf Kleinigkeiten, siehe Anmerkungen.“ | „yes“ | | |
| | „yes“ | „see comments/notes but otherwise it was understandable“ | | |
| | [„siehe Kommentare/Anmerkungen aber ansonsten war es verständlich“] | „yes“ | | |
| | [„Ja.“] | | | |