# Supplementary file 1: Questionnaires developed or adapted for TeleSpA (English translation)

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1. Questionnaires for patients

1.1. Sociodemographics

What is your current living situation?

- Living alone
- Living with partner, without children
- Living with partner and children
- Living without partner, with children
- Other

What best describes your current situation? (Multiple answers are possible)

- Part-time employment: 16 hours or less
- Part-time employment: 17 to 32 hours
- Full-time employment: more than 32 hours
- Domestic work / caregiver
- Attending school / student
- Unemployed
- Disabled
- Retired
1.2. Lifestyle

Do you smoke?
- No, I have never smoked
- Not anymore, I have quit smoking
- Yes, I smoke

What is the average daily amount of tobacco products that you smoke currently or were smoking in the past?

[ ]

How many years have you smoked this amount of tobacco products? (not counting the periods in which you temporarily did not smoke)

[ ]

Do you ever drink alcohol?
- No
- Yes

How many alcoholic beverages do you consume on an average weekday? (Monday until Thursday)
- I do not drink alcohol during the week
- 1 to 3 glasses
- 4 to 6 glasses
- 7 to 9 glasses
- 10 or more
How many alcoholic beverages do you drink on an average weekend day? (Friday until Sunday)

- I do not drink alcohol during the weekend
- 1 to 3 glasses
- 4 to 6 glasses
- 7 to 9 glasses
- 10 or more
1.3. Pain (VAS, 0-100mm)
How much pain did you experience as a result of your rheumatic condition during the past week?

| None at all | Unbearable pain |

1.4. Medication adherence (VAS, 0-100mm)
The next question is about the medication for your rheumatic condition:
Please indicate how adherent you would consider yourself with regard to taking these medications as prescribed by your doctor.
You can do this by moving the vertical line.

| Very poor (Barely) | Very well (Always) |

1.5. Disease flares
A “flare” means a worsening of your rheumatic condition or inflammation. This can occur suddenly or gradually. You can notice this, for example, because you experience an increase of pain and swelling, movement restrictions and/or (morning) stiffness in your back or joints.

Are you currently experiencing a flare of your rheumatic condition?
- [ ] No
- [ ] Yes

How many times did you experience a flare during the last 6 months?

[ ]
1.6. Experience with care (PREM)

For all patients:

This questionnaire is about your experiences with the services and treatment at the hospital that you attend for your rheumatic condition. For each statement, please select the most appropriate answer.

<table>
<thead>
<tr>
<th>Statement</th>
<th>Strongly agree</th>
<th>Agree</th>
<th>Neither agree nor disagree</th>
<th>Disagree</th>
<th>Strongly disagree</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>If I have had a ‘flare’ (when my symptoms get much worse), I have been</td>
<td></td>
<td></td>
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<tr>
<td>able to get help quickly</td>
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<tr>
<td>I feel able to approach a member of my health team* to discuss any</td>
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</tr>
<tr>
<td>worries about my condition and my treatment or their effect on my life</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>At appointments, I feel that I have enough time with the health care</td>
<td></td>
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<tr>
<td>professional to cover everything I want to discuss</td>
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<tr>
<td>Overall in the past year, I have had a good experience of care for my</td>
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<tr>
<td>rheumatic condition</td>
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<td></td>
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<tr>
<td>My personal circumstances and preferences were taken into account</td>
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<td></td>
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<td></td>
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<tr>
<td>when planning and deciding on my treatment and care</td>
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</tr>
<tr>
<td>As a patient, I feel safe with the current follow-up strategy</td>
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<td></td>
</tr>
</tbody>
</table>

*The team can differ between hospitals, but typically consists of a rheumatologist, a dedicated (rheumatology) nurse and/or a doctor’s assistant.

Adapted from:
For telemonitoring group only:

<table>
<thead>
<tr>
<th>Strongly agree</th>
<th>Agree</th>
<th>Neither agree nor disagree</th>
<th>Disagree</th>
<th>Strongly disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote monitoring saves me time</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>I feel like this follow-up strategy is flexible</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

1.7. Experience with SpA-Net

<table>
<thead>
<tr>
<th>Strongly agree</th>
<th>Agree</th>
<th>Neither agree nor disagree</th>
<th>Disagree</th>
<th>Strongly disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>I am satisfied with using ‘SpA-Net’</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>I find ‘SpA-Net’ easy to use</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>‘SpA-Net’ adds value to my treatment/follow-up</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

I would recommend ‘SpA-Net’ to other patients:

- ☐ Disagree
- ☐ Agree
1.8. Work productivity

During the past 6 months, were there any days on which you did paid work?

☐ Yes, there were days on which I did paid work.
☐ No, I did not do any paid work during the past 6 months.

How many hours per week do you work?
Add together all the hours for which you are paid. In case you don’t work the same amount of hours each week, report the average.

How many days per week do you work?
In case you don’t work the same amount of days every week, report the average.

How many times (episodes) were you absent from work, during the past 6 months, due to your health?

For each episode that you were absent from work: how many working days were you absent?
In case you were absent for half a day, please report as ‘0.5’. Type ‘0.0’ in case there were no working days on which you were absent.

1st absence episode

2nd absence episode

3rd absence episode

...

---

Adapted from:
During the past 4 weeks, were there any days on which you did paid work, but suffered from physical or psychological problems during your work?

- Yes
- No

During the past 4 weeks, on how many working days have you suffered from physical or psychological problems during your paid work?

During the past 4 weeks, on how many days was this the case?

Suppose that someone, for example a family member or neighbour/acquaintance, helped you on these days. And did all that unpaid work for you, that you could not do. How many hours, on average, would it take your family member or neighbour/acquaintance to complete this work on these days?
1.9. Healthcare utilisation

This questionnaire aims to register all your healthcare use, not just related to your rheumatic condition.

**During the past 6 months, how many times did you visit these healthcare providers?** (type ‘0’ in case you did not visit)

- Cardiologist
- General practitioner / Family doctor
- Rheumatologist
- Emergency physician (Emergency department)
- Other medical specialist
- Specialised nurse
- Physiotherapist
- Other*

If other, please specify:

* For example: psychologist, chiropractor, medical dietitian, medical pedicure,…

Alternative healthcare providers (acupuncture, homeopathy, etc.) should not be counted.

**During the past 6 months, how many times did you have a telephone consultation with these healthcare providers?** (type ‘0’ in case you did not have any telephone consultations)

- General practitioner / Family doctor
- Rheumatologist
- Other medical specialist
- Specialised nurse
During the past 6 months, how many times did you visit the hospital for day treatment?
You did not stay overnight. For example: infusion centre or day treatment centre.

- Blood transfusion
- Biologic infusions (for example: infliximab)
- Rehabilitation day treatment
- Dialysis
- Pain treatment
- Other
  If other, please specify: 

During the past 6 months, how many days did you spend in these healthcare institutions?
You stayed overnight.

- Hospital
- Rehabilitation centre
- Psychiatric / mental hospital
- Nursing home
- Elderly care centre
2. Questionnaires for healthcare providers

2.1. Patient acceptable symptom state according to physician

Considering all the different ways the disease (SpA) is affecting your patient, if the patient were to stay in this state for the next few months, do you consider that this current state is acceptable?¹

☑ Yes
☐ No

2.2. Experience with care

<table>
<thead>
<tr>
<th>In general, I am satisfied with this type of healthcare provision</th>
<th>Strongly agree</th>
<th>Agree</th>
<th>Neither agree nor disagree</th>
<th>Disagree</th>
<th>Strongly disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telemonitoring, using SpA-Net, results in …</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>safe care</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>effective care</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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</tr>
<tr>
<td>patient-centred care</td>
<td>☐</td>
<td>☐</td>
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<td>timely care</td>
<td>☐</td>
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<td>efficient care</td>
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<td>☐</td>
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<td>equitable care</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>increased flexibility</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<td>a saving of time and resources</td>
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</tbody>
</table>

¹ Adapted from:
2.3. Experience with SpA-Net

<table>
<thead>
<tr>
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<td>I find ‘SpA-Net’ easy to use</td>
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</tr>
<tr>
<td>‘SpA-Net’ adds value to the treatment of my patients</td>
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</tr>
</tbody>
</table>

I would recommend ‘SpA-Net’ to my colleagues:
- Disagree
- Agree