

## Additional file 2

### Overview and Reliability of the mean score variables

#### a. PCN environment

##### *Reliability Statistics*

Cronbach's Alpha	N of Items	N
0.898	11	224

##### *Item-Total Statistics*

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
<b>Participating in the network ...</b>				
... motivates guideline-oriented patient care	39.38	52.51	0.73	0.882
... supports shared-decision making	39.64	51.63	0.71	0.883
... supports managing patient expectations regarding the prescription on antibiotics	39.63	52.02	0.71	0.884
... supports implementing new routines	39.31	53.08	0.69	0.885
... has an impact on my antibiotic prescribing decisions	40.13	52.30	0.58	0.894
<b>In my primary care network</b>				
... antibiotics therapy is discussed	38.74	58.99	0.48	0.896
... peer exchange about guideline-oriented antibiotics therapy is offered	39.07	55.54	0.65	0.888
... exchange about antibiotic prescribing routines for non-complicated infections is possible	39.24	54.52	0.63	0.888
... there are conventions about antibiotics for non-complicated infections	39.38	53.20	0.65	0.887
... training on guideline-oriented antibiotics therapy is offered	38.76	57.55	0.54	0.893
... I participated in training on guideline-oriented antibiotics therapy	38.81	56.70	0.57	0.892

**b. Structural conditions**

*Reliability Statistics*

<b>Cronbach's Alpha</b>	<b>N of Items</b>	<b>N</b>
0.921	6	221

*Item-Total Statistics*

<b>Structural conditions (teams, rooms)</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Toal Correlation</b>	<b>Cronbach's Alpha if Item Deleted</b>
... motivate me to treat patients increasingly guideline-based	14.61	29.49	0.82	0.901
... support me in taking shared therapy decisions with the patients	14.48	29.25	0.87	0.893
... support me in handling patient expectations regarding the prescription of antibiotics	14.53	29.33	0.89	0.891
... are helpful when implementing new routines in the practice	14.12	31.68	0.75	0.910
... impact the amount of time available to me per patient	14.18	32.82	0.61	0.929
... impact my decision to prescribe antibiotics	15.06	31.24	0.72	0.915

**c. Environment of existing processes**

*Reliability Statistics*

<b>Cronbach's Alpha</b>	<b>N of Items</b>	<b>N</b>
0.907	6	224

*Item-Total Statistics*

<b>Existing processes and organizing processes in the practice ...</b>	<b>Scale Mean if</b>	<b>Scale Variance if</b>	<b>Corrected Item-Toal</b>	<b>Cronbach's Alpha if</b>
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	<b>Item Deleted</b>	<b>Item Deleted</b>	<b>Correlation</b>	<b>Item Deleted</b>
... motivate guideline-oriented patient care	16.43	23.35	0.82	0.879
... support me in taking a shared the therapy decision with the patients	16.29	23.73	0.85	0.875
... supports me in managing patient expectations regarding the prescription of antibiotics	16.42	23.44	0.86	0.873
... are helpful with implementing new routines in the practice	16.06	25.39	0.72	0.894
... impact the amount of time available to me per patient	16.16	25.78	0.56	0.917
... impact my decision to prescribe antibiotics	17.04	23.67	0.69	0.900

#### **d. External defined general conditions**

##### *Reliability Statistics*

<b>Cronbach's Alpha</b>	<b>N of Items</b>	<b>N</b>
0.890	6	224

##### *Item-Total Statistics*

<b>External defined general conditions...</b>	<b>Scale Mean if Item Deleted</b>	<b>Scale Variance if Item Deleted</b>	<b>Corrected Item-Total Correlation</b>	<b>Cronbach's Alpha if Item Deleted</b>
... motivate guideline-oriented patient care	13.16	22.41	0.74	0.865
... support me in taking a shared the therapy decision with the patients	13.35	21.30	0.83	0.851
... supports me in managing patient expectations regarding the prescription of antibiotics	13.4	21.29	0.84	0.849
... are helpful with implementing new	13.34	22.24	0.76	0.863

routines in the practice				
... impact the amount of time available to me per patient	13.22	25.21	0.35	0.930
... impact my decision to prescribe antibiotics	13.62	21.47	0.80	0.857