Table 1: Unadjusted Odds ratio for unmet needs during the pandemic (C4)

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| **Factors** | **Domain** | **Odds Ratio** | **CI.05** | **CI.95** | **p-value** |
| Disease Stage (Hoehn and Yahr) | Autonomy | 1.13 | 0.87 | 1.47 | 0.367 |
| Presence of Regular Caregiver | Autonomy | 0.79 | 0.43 | 1.44 | 0.438 |
| Disease duration [in years] | Health Status | 0.9 | 0.69 | 1.16 | 0.419 |
| Sum of Comorbidities | Health Status | 1.26 | 1.06 | 1.49 | 0.007 |
| Elixhauser Comorbidity Index | Health Belief | 1.08 | 0.97 | 1.21 | 0.155 |
| Educational Level (according to ISCED) | Health Belief | 0.82 | 0.58 | 1.18 | 0.284 |
| Annual income [in €] | Health Belief | 1.08 | 0.67 | 1.75 | 0.75 |
| Perceived PD-Expertise of General Practitioner | Health Literacy | 0.71 | 0.51 | 0.98 | 0.038 |
| Perceived PD-Expertise of Neurologist | Health Literacy | 0.52 | 0.39 | 0.7 | p < .001 |
| Reasons for Communication Challenges before the COVID-19 Pandemic | Communication (personal) | 2.36 | 1.04 | 5.38 | 0.04 |
| PDQ-8 score | Self-efficacy | 1.15 | 0.42 | 3.18 | 0.781 |
| Available Ressources to Overcome Geographical Barriers before Pandemic | Transportation | 2.27 | 0.79 | 6.51 | 0.129 |
| Ability to Access PD-related Care before Pandemic | Transportation | 2.33 | 1.65 | 3.31 | p < .001 |
| Shifted Healthcare Appointments due to financial resaons 12 Months before pandemic | Cost of care | 2.11 | 1.13 | 3.93 | 0.019 |
| Extended Healthcare Insurance covering PD-related expenses | Cost of care | 0.83 | 0.46 | 1.48 | 0.521 |
| Financial Problems due to PD-related Expenses 12 Months before pandemic | Cost of care | 2.81 | 1.42 | 5.53 | 0.003 |
| Financial Stability | Cost of care | 2.43 | 0.97 | 6.09 | 0.059 |
| Confidence Accessing PD-related Healthcare Remotely | Difficulties of Diagnosis | 2.44 | 1.32 | 4.53 | 0.005 |
| Perceived Cooperation between Healthcare Providers | Difficulties of Diagnosis | 0.99 | 0.66 | 1.49 | 0.975 |
| Healthcare Providers Consulted 12 Months before pandemic | Difficulties of Diagnosis | 1.24 | 0.77 | 1.99 | 0.374 |
| Experienced Stigmatization Using Healthcare Ressources | Coordination in care | 2.84 | 1.6 | 5.03 | p < .001 |
| Possibility of Remote Sessions with PD-related Healthcare Providers during pandemic | Coordination in care | 1.91 | 1.09 | 3.34 | 0.023 |
| Access to Technology for Consulting Healthcare Providers during pandemic | Coordination in care | 0.62 | 0.15 | 2.53 | 0.5 |
| Communication Challenges before pandemic | Coordination in care | 2.63 | 1.18 | 5.82 | 0.017 |
| Negative Effects on Patients due to Healthcare Accessibility Barriers | Communication (system) | 1.18 | 0.93 | 1.48 | 0.166 |
| Existence of Negative Effects on Patients due to Healthcare Accessibility Barriers | Communication (system) | 5.03 | 2.79 | 9.05 | p < .001 |
| Level of Urbanization | Communication (system) | 1.02 | 0.58 | 1.78 | 0.948 |
| Living Situation | Communication (system) | 0.75 | 0.38 | 1.51 | 0.421 |
| Sum of Barriers Preventing Healthcare Access before pandemic | Communication (system) | 1.98 | 1.01 | 3.89 | 0.048 |
| Difficulty Accessing PD-related Healthcare Services before pandemic | Communication (system) | 5.37 | 2.84 | 10.17 | p < .001 |
| Geographical Barriers Concerning Access to Healthcare Ressources before pandemic | Disparty in Health Services | 1.9 | 1.08 | 3.33 | 0.026 |
| Population according to quantiles of German population [in sqkm] | Disparty in Health Services | 0.96 | 0.77 | 1.19 | 0.714 |
| Locally Available PD-related Healthcare Ressources | Disparty in Health Services | 0.41 | 0.3 | 0.56 | p < .001 |
| Frequency of Not Receiving Needed PD-related Healthcare before the COVID-19 Pandemic | Disparty in Health Services | 2.5 | 1.88 | 3.32 | p < .001 |
| Neurologists nearby (per sqkm) | Disparty in Health Services | 0.97 | 0.87 | 1.07 | 0.527 |
| Gender | Unavailability of Specalist Services | 0.55 | 0.31 | 0.98 | 0.044 |
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