**Online Appendix. Bivariate analysis of different variables and barriers to participation in CPD**

| Variables | Accessible activity | | | | | | Job constraints | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Strongly agree | Agree | Neutral | Disagree | Strongly disagree | P-value | Strongly agree | Agree | Neutral | Disagree | Strongly disagree | P-value |
| **Age** | | | | | | | | | | | | |
| 20-30 years | 47.6% | 39.2% | 33.0% | 40.8% | 33.3% | 0.323 | 44.8% | 37.1% | 34.2% | 45.4% | 42.9% | 0.231 |
| 31-40 years | 28.2% | 25.3% | 40.4% | 32.7% | 50.0% | | 32.0% | 28.7% | 26.3% | 33.3% | 28.6% | |
| 41-50 years | 17.7% | 22.6% | 16.0% | 18.4% | 0.0% | | 15.7% | 21.8% | 27.6% | 15.2% | 0.0% | |
| 51-60 years | 4.0% | 10.1% | 10.6% | 8.2% | 16.7% | | 5.8% | 8.9% | 11.8% | 6.1% | 28.6% | |
| >61 years | 2.4% | 2.8% | 0.0% | 0.0% | 0.0% | | 1.7% | 3.5% | 0.0% | 0.0% | 0.0% | |
| | | | | | | | | | | | | |
| **Gender** | | | | | | | | | | | | |
| Male | 36.3% | 35.5% | 39.4% | 42.9% | 16.7% | 0.690 | 38.4% | 37.6% | 30.3% | 36.4% | 42.9% | 0.781 |
| Female | 63.7% | 64.5% | 60.6% | 57.1% | 83.3% | | 61.6% | 62.4% | 69.7% | 63.6% | 57.1% | |
| | | | | | | | | | | | | |
| **Primary current site of practice** | | | | | | | | | | | | |
| Community pharmacy | 58.1% | 60.8% | 62.8% | 53.1% | 33.3% | 0.650 | 66.3% | 62.4% | 47.4% | 39.4% | 57.1% | 0.248 |
| Hospital pharmacy | 12.9% | 7.4% | 6.4% | 8.2% | 0.0% | | 7.0% | 6.4% | 10.5% | 18.2% | 0.0% | |
| Medical representative | 8.1% | 6.0% | 6.4% | 12.2% | 33.3% | | 6.4% | 6.4% | 11.8% | 12.1% | 14.3% | |
| University teacher | 3.2% | 4.6% | 2.1% | 4.1% | 0.0% | | 2.9% | 4.5% | 2.6% | 6.1% | 0.0% | |
| Industry | 3.2% | 1.8% | 1.1% | 2.0% | 0.0% | | 1.7% | 2.0% | 1.3% | 6.1% | 0.0% | |
| Laboratory | 0.8% | 1.4% | 0.0% | 0.0% | 0.0% | | 1.7% | 0.5% | 0.0% | 0.0% | 0.0% | |
| Other | 13.7% | 18.0% | 21.3% | 20.4% | 33.3% | | 14.0% | 17.8% | 26.3% | 18.2% | 28.6% | |

| Variables | Lack of time | | | | | | Family constraints | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Strongly agree | Agree | Neutral | Disagree | Strongly disagree | P-value | Strongly agree | Agree | Neutral | Disagree | Strongly disagree | P-value |
| **Age** | | | | | | | | | | | | |
| 20-30 years | 44.6% | 38.2% | 32.8% | 34.6% | 16.7% | 0.046 | 36.1% | 28.8% | 39.8% | 57.5% | 58.3% | 0.005 |
| 31-40 years | 33.2% | 27.6% | 31.3% | 19.2% | 50.0% | | 38.6% | 34.9% | 32.0% | 17.2% | 22.2% | |
| 41-50 years | 16.3% | 21.1% | 20.3% | 34.6% | 0.0% | | 20.5% | 23.3% | 18.0% | 13.8% | 8.3% | |
| 51-60 years | 4.5% | 10.1% | 15.6% | 11.5% | 33.3% | | 3.6% | 11.0% | 7.0% | 10.3% | 11.1% | |
| >61 years | 1.5% | 3.0% | 0.0% | 0.0% | 0.0% | | 1.2% | 2.1% | 3.1% | 1.1% | 0.0% | |
| | | | | | | | | | | | | |
| **Gender** | | | | | | | | | | | | |
| Male | 39.6% | 34.7% | 28.1% | 42.9% | 33.3% | 0.484 | 30.1% | 35.6% | 39.1% | 41.4% | 38.9% | 0.590 |
| Female | 60.4% | 65.3% | 71.9% | 57.7% | 66.7% | | 69.9% | 64.4% | 60.9% | 58.6% | 61.1% | |
| | | | | | | | | | | | | |
| **Primary current site of practice** | | | | | | | | | | | | |
| Community pharmacy | 58.9% | 64.3% | 48.4% | 53.8% | 66.7% | 0.619 | 54.2% | 54.8% | 67.2% | 59.8% | 55.6% | 0.602 |
| Hospital pharmacy | 7.4% | 9.0% | 10.9% | 7.7% | 0.0% | | 8.4% | 9.6% | 9.4% | 8.0% | 5.6% | |
| Medical representative | 11.4% | 3.0% | 9.4% | 7.7% | 16.7% | | 8.4% | 5.5% | 5.5% | 9.2% | 16.7% | |
| University teacher | 3.5% | 4.0% | 1.6% | 7.7% | 0.0% | | 3.6% | 4.1% | 3.1% | 3.4% | 5.6% | |
| Industry | 1.5% | 2.5% | 3.1% | 0.0% | 0.0% | | 1.2% | 2.7% | 0.8% | 3.4% | 2.8% | |
| Laboratory | 0.5% | 0.5% | 1.6% | 0.0% | 0.0% | | 2.4% | 0.7% | 0.0% | 0.0% | 0.0% | |
| Other | 16.8% | 16.6% | 25.0% | 23.1% | 16.7% | | 21.7% | 22.6% | 14.1% | 16.1% | 13.9% | |

| Variables | Enough time to achieve CPD | | | | | | Sufficient resources | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Strongly agree | Agree | Neutral | Disagree | Strongly disagree | P-value | Strongly agree | Agree | Neutral | Disagree | Strongly disagree | P-value |
| **Age** | | | | | | | | | | | | |
| 20-30 years | 31.0% | 26.4% | 39.6% | 37.6% | 43.3% | 0.001 | 24.7% | 35.2% | 46.8% | 24.1% | 69.2% | 0.006 |
| 31-40 years | 24.1% | 24.0% | 30.6% | 37.6% | 35.0% | | 32.3% | 30.5% | 25.8% | 44.8% | 15.4% | |
| 41-50 years | 10.3% | 32.2% | 20.7% | 18.3% | 16.7% | | 21.5% | 23.7% | 14.5% | 31.0% | 15.4% | |
| 51-60 years | 31.0% | 12.4% | 8.1% | 5.5% | 3.3% | | 19.4% | 7.2% | 12.9% | 0.0% | 0.0% | |
| >61 years | 3.4% | 5.0% | 0.9% | 0.9% | 1.7% | | 2.2% | 3.4% | 0.0% | 0.0% | 0.0% | |
| **Gender** | | | | | | | | | | | | |
| Male | 37.9% | 28.1% | 38.7% | 38.5% | 51.7% | 0.043 | 33.3% | 36.4% | 38.7% | 44.8% | 46.2% | 0.759 |
| Female | 62.1% | 71.9% | 61.3% | 61.5% | 48.3% | | 66.7% | 63.6% | 61.3% | 55.2% | 53.8% | |
| **Primary current site of practice** | | | | | | | | | | | | |
| Community pharmacy | 75.9% | 53.9% | 60.4% | 58.7% | 55.0% | 0.095 | 55.9% | 56.8% | 61.3% | 75.9% | 61.5% | 0.064 |
| Hospital pharmacy | 3.4% | 14.0% | 5.4% | 5.5% | 10.0% | | 7.5% | 9.3% | 8.1% | 0.0% | 15.4% | |
| Medical representative | 3.4% | 5.0% | 9.9% | 6.4% | 16.7% | | 7.5% | 7.2% | 12.9% | 10.3% | 7.7% | |
| University teacher | 3.4% | 4.1% | 6.3% | 1.8% | 1.7% | | 6.5% | 4.2% | 0.0% | 0.0% | 0.0% | |
| Industry | 0.0% | 2.5% | 1.8% | 3.7% | 1.7% | | 3.2% | 3.0% | 0.0% | 0.0% | 0.0% | |
| Laboratory | 3.4% | 0.0% | 0.0% | 0.9% | 1.7% | | 2.2% | 0.4% | 0.0% | 0.0% | 0.0% | |
| Other | 10.3% | 20.7% | 16.2% | 22.9% | 13.3% | | 17.2% | 19.1% | 17.7% | 13.8% | 15.4% | |

| Variables | Sufficient enthusiasm | | | | | |
|---|---|---|---|---|---|---|
| | Strongly agree | Agree | Neutral | Disagree | Strongly disagree | P-value |
| **Age** | | | | | | |
| 20-30 years | 26.1% | 33.7% | 41.9% | 35.4% | 37.9% | 0.013 |
| 31-40 years | 30.4% | 27.6% | 24.8% | 45.8% | 51.7% | |
| 41-50 years | 21.7% | 26.5% | 21.0% | 14.6% | 10.3% | |
| 51-60 years | 18.8% | 9.4% | 9.4% | 4.2% | 0.0% | |
| >61 years | 2.9% | 2.8% | 2.9% | 0.0% | 0.0% | |
| **Gender** | | | | | | |
| Male | 31.9% | 34.8% | 39.0% | 43.8% | 48.3% | 0.429 |
| Female | 68.1% | 65.2% | 61.0% | 56.3% | 51.7% | |
| **Primary current site of practice** | | | | | | |
| Community pharmacy | 58.0% | 60.2% | 61.0% | 52.1% | 51.7% | 0.696 |
| Hospital pharmacy | 11.6% | 8.8% | 5.7% | 8.3% | 6.9% | |
| Medical representative | 8.7% | 6.1% | 6.7% | 12.5% | 17.2% | |
| University teacher | 7.2% | 3.3% | 4.8% | 0.0% | 0.0% | |
| Industry | 1.4% | 2.2% | 2.9% | 2.1% | 3.4% | |
| Laboratory | 1.4% | 0.0% | 1.0% | 2.1% | 0.0% | |
| Other | 11.6% | 19.3% | 18.1% | 22.9% | 20.7% | |