**Supplementary Material 1. Patterns of antihypertensive multidrug therapy using a hypothetical patient case for measuring adherence estimates by the predefined six measurements**

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| **Prescription-based methodology (PxM)**  |
| **PDCwith≥1** | = 180 days covered / 210 days = **85.7%**  |
| **PDCwm** | = (71.43% $×$ 210 + 80% $×$ 150 + 100% $×$ 120) / (210 + 150 + 60) = **81.25 %*** PDC of class 1 = (150 days covered / 210 dyas) day 1 to 210 = 71.43%
* PDC of class 2 = (120 days covered / 150 dyas) day 1 to 150 = 80%
* PDC of class 3 = (120 days covered / 120 dyas) day 91 to 210 = 100%
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| **DPPR** | = [(2/$2×3$0)day 1 to 30$+ $(0/2$×3$0) day 31 to 60$+$(2/2$×3$0)$day 61 to 90+$$   $(3/$3×3$0) day 91 to 120 $+$(2/3$×3$0) day 121 to 150 $+$(2/2$×6$0) day 151 to 210] / 210 = **80.95%**  |
| **Fixed period-based methodology (FxM)**  |
| **PDCwith≥1** | = 150 days covered / 180 days = **83.3%**  |
| **PDCwm** | = (66.67% $×$ 180 + 80% $×$ 150 + 100% $×$ 90) / (180 + 150 + 90) = **78.57 %*** PDC of class 1 = (120 days covered / 180 dyas) day 1 to 180 = 66.67%
* PDC of class 2 = (120 days covered / 150 dyas) day 1 to 150 = 80%
* PDC of class 3 = (90 days covered / 90 dyas) day 91 to 180 = 100%
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| **DPPR** | = [(2/$2×3$0)day 1 to 30$+ $(0/2$×3$0) day 31 to 60$+$(2/2$×3$0)$day 61 to 90+$$   $(3/$3×3$0) day 91 to 120 $+$(2/3$×3$0) day 121 to 150 $+$(2/2$×$30) day 151 to 180] / 180 = **77.78%**  |

Abbreviation: DPPR, daily polypharmacy possession ratio; FxM, fixed period-based methodology; PDCwith≥1, proportion of days covered with at least one drug; PDCwm, duration weighted mean proportion of days covered; PxM, prescription-based methodology