Supplementary Material

Title: Real-world Evidence for Adherence and Persistence with Atorvastatin Therapy

Table S1 Methods for measuring patient adherence and persistence (as reviewed [A-D])

Measurement	Details		Direct/indirect
Medication possession ratio (MPR)	Percentage of time patient has medication available using pharmacy data	May overestimate adherence by considering days of overlapping supply	Indirect
Proportion of days covered (PDC)		Adjusts for overlapping days of supply and polypharmacy	Indirect
Pill count	Drug refill rates using pharmacy data		Indirect
Therapeutic drug monitoring (TDM)	Laboratory testing to directly measurement of drugs/metabolites in bodily fluids		Direct
Self-reported questionnaires and structured interviews	Patients are asked to recall their previous medication intake using validated questionnaires (e.g. TSQM)		Indirect
Electronic monitoring	Inhaled, oral, nebulized electronic monitoring devices and apps		Direct
Time to discontinuation	Duration of time from initiation to discontinuation of therapy		Indirect

TSQM, Treatment Satisfaction Questionnaire for Medication

Supplement References

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C. Raebel MA, Schmittdiel J, Karter AJ, Konieczny JL, Steiner JF. Standardizing terminology and definitions of medication adherence and persistence in research employing electronic databases. Med Care. 2013;51:S11-21. doi: 10.1097/MLR.0b013e31829b1d2a.

D. Al-Hassany L, Kloosterboer SM, Dierckx B, Koch BC. Assessing methods of measuring medication adherence in chronically ill children-a narrative review. Patient Prefer Adherence. 2019;13:1175-1189. doi: 10.2147/PPA.S200058.