Online Supplementary Information 2

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Search strategy details

Database	PubMed
Date of search	12 February 2020 and 10 March 2021
Query	(hair*[ti] OR urine[ti] OR saliva[ti] OR oral fluid*[ti] OR dried blood spot*[ti]) AND ("analysis" [Subheading] OR analy*[tiab] OR concentrat*[tiab] OR "Biological Assay"[Mesh] OR assay*[tiab] OR quanti*[tiab] OR measurement[tiab] OR level[tiab]) AND ("Patient Compliance"[Mesh] OR adheren*[tiab] OR complian*[tiab] OR non-adheren*[tiab] OR nonadheren*[tiab] OR non-complian*[tiab] OR noncomplian*[tiab] OR "Drug Monitoring"[Mesh] OR drug monitoring[tiab])
Limits	Publication years: 2000 – 2020; Language: English
Results	1,049+116 = 1,165

Database	Embase
Date of search	12 February 2020 and 10 March 2021
Query	(hair:ti OR urine:ti OR saliva:ti OR 'oral fluid*':ti OR 'dried blood spot*':ti) AND ('bioassay'/exp OR analy*:ab,ti OR concentrat*:ab,ti OR monitor*:ab,ti OR assay*:ab,ti OR quanti*:ab,ti OR measurement:ab,ti OR level:ab,ti) AND ('patient compliance'/exp OR adheren*:ab,ti OR complian*:ab,ti OR 'non-adheren*':ab,ti OR nonadheren*:ab,ti OR 'non-complian*':ab,ti OR noncomplian*:ab,ti OR 'drug monitoring'/exp OR 'drug monitoring':ab,ti)
Limits	Publication years: 2000 – 2020; Language: English
Results	1,410+158 = 1,568

Database	**Web of Science**
Date of search	12 February 2020 and 10 March 2021
Query	TI=(hair OR urine OR saliva OR oral fluid OR dried blood spot) AND TS=(analysis OR concentrat* OR assay OR quanti* OR measurement OR level) AND TS=(adheren* OR complian* OR non-adheren* OR nonadheren* OR non-complian* OR noncomplian* OR drug monitoring)
Limits	Publication years: 2000 – 2020; Language: English
Results	1,683+174 = 1,857