Potential linkage elements (& requirement Law Enforcement Access to Data (PDMP Reports) and under what Circumstances Reports Available to Law Enforcement Available to Law Enforcement Version Used Requires Substance-related Driving Convictions to be Entered in Delta Convictions to the Entered in Delta Convictions to the Entered in Delta Conviction to Convi Year Legislation Enacted Release of De-identified Data for Research, Epidemiological, or Educational purposes Comments on De-identified Data Permission, if applicable Social Security Number Driver's License Number Other Form of ID (e.g., State Issued ID, Passport, Military ID?) Ability to Collect More than One Form of Personal ID Name State Name of PDMP Address Phone Number Date of Birth Yes (first and last name required; middle name recommended but not required) Patient, Prescriber, Dispenser Histories, & Query Audit Trail Prescription Drug Monitoring Program Yes (strongly e primary ID) Yes; State Law Enforcement, i active investigation; Federal Law Enforcement, if court order/search warrant Patient, Prescriber, Dispenser Histories, & Query Audit Trail Yes (potential patient identifier, not required but accepted if identifier, not required but submitted) Yes (potential patient identifier, not required but accepted if submitted) https://www.commerce.alaska.gov/we b/portals/5/pub/pha_awarxe_dispens erguide.pdf Prescription Drug Monitoring Program Authorized and Engaged Relea of PDMP Data 2008 2011 Pharmacy Board chedules II-IV Yes (required) Yes (required) Yes (required) Yes (first and last name required; middle name not required but accepted if submitted) Patient, Prescriber, Dispenser Histories, & Query Audit Trail Yes (potential patient identifier, not required but accepted if identifier, not required but submitted) Yes (potential patient identifier, not required but accepted if submitted) Authorized and Engaged Release of PDMP Data 2008 Yes; if active investigation es (required) Version 4.2 Yes (first and last name required; middle name not required but suggested to supply if available) Yes (potential patient identifier, not required but suggested to supply if available) Yes (potential patient identifier, not required but suggested to supply if available) Yes (potential patient identifier, not required but suggested to supply if available) Yes (not required but suggested to supply if available) Prescription Drug Monitoring Program 2013 Department of Health Patient, Prescriber & Dispenser Histories Yes; Prescriber/Dispenser Reports, if active investigati-Patient Reports if court order/search warrant Yes (potential patient identifier, not required but suggested to supply if available) Yes (potential patient identifier, not required but suggested to supply if available) Yes (first and last name required; middle name not required but suggested to supply if available) Patient, Prescriber, Dispenser Histories, & Query Audit Trail Yes (not required but suggested to supply if available) Authorized and Engaged Rele of PDMP Data https://www.aaicures.com/Aflantic sociates_CACures_Instructions.pdf Yes (not required bu supply if available) 1939 icensing/CSR Fees Schedules II-IV lder version; Version 4.1 Yes (first and last name required; middle name not required but accepted if submitted) Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) Authorized and Engaged Release Must enter into a contract MOU with the Board of Pharmacy Ves (potential patient identifier, not required but accepted if submitted) Ves (potential patient dentifier, not required but accepted if submitted) Ves (potential patient identifier, not required but accepted if submitted) ves (potential patient identifier, not required but accepted if submitted) http://rxsentry.net/assets/files/ p/aware/Colorado_Data_Subm Dispenser_Guide_vt.3.pdf Patient, Prescriber & Dispenser Histories es (not required but eccepted if submitted) Electronic Prescription Dru Monitoring Program 2007 Pharmacy Board sing/CSR Fees Version 4.2 Yes (required) https://portal.et.gov/-/media/DCP/drug_control/PMP/pdf/ /PMBSDispenserGuidev11pdf/bla-e Yes (first and last name required; middle name not required but accepted if submitted) Patient, Prescriber, Dispenser Histories, & Query Audit Trail Yes (potential patient identifier, the specified patient identifier, not required but accepted if submitted) Yes (potential patient identifier, not required but accepted if submitted) Yes (potential patient identifier, not required but accepted if submitted) Yes (not required but accepted if submitted) Yes (not required but accepted if submitted) Yes (not required but accepted if submitted) https://cdn2.hubspot.met/hubfs/28810 08/PDFDocuments/DE%20PDMP%20 Data%20Submission%20Dispenser%20 Guide_V1-3-1.pdf Authorized and Engaged of PDMP Data es (not required but eccepted if submitted) Prescription Drug Monitoring Program 2012 Professional Licensing Agency nsing/CSR Fees Schedules II-V, Drugs of Concern Yes (first and last name required; middle name not required but suggested to supply if available) Yes (potential patient identifier, mot required but suggested to supply if available) Yes (potential patient identifier, not required but suggested to supply if available) Florida Prescription Drug Monitoring Program 2011 Department of Health Authorized and Eng of PDMP Data http://rxsentry.net/assets/files/fipdm /2018/FL_Dispenser_Guide_V1.pdf Yes (required) 2009 Yes: if active investigation Yes (required) Yes (first and last name required; middle name not required but suggested to supply if available) Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) Yes (not required but suggested to supply if available) Yes (potential patient identifier, not required but suggested to supply if available) Yes (potential patient identifier, not required but suggested to supply if available) Yes (potential patient identifier, not required but suggested to supply if available) https://dph.georgia.gov/sites/dph.geor gia.gov/files/GA%20PDMP%20Dispere er%20Guidev1.2.pdf 2013 Department of Health Georgia Prescription Monitoring Program Authorized to Release Version 4.2 Yes (first and last name required; middle name not required but accepted if submitted) 1943 Yes; if active investigation Patient History older version; Version 4.1 Yes (potential patient identifier for required ID) https://bop.idaho.gov/pmp/2018-08 13rev04-2017_IdahoPMP-AWARxE-Interface-Specification-Data-Submission-Printed-Guide.pdf Patient, Prescriber, Dispenser Histories, & Query Audit Trail Yes (first and last name required; middle name required if available) Idaho Prescription Monitoring Program 1967 Pharmacy Board icensing/CSR Fees Schedules II-V. Drugs of Concern Authorized to Release Yes: if active investigation older version: Version 4.1 Yes (required) (es (required) Yes (required) Yes (required) Illinois Prescription Monitoring Program: Prescription Information Library Patient, Prescriber, Dispenser Histories, & Query Audit Trail 1968 Department of Health Yes (first and last name required) ttps://www.ilpmp.org/PDF/Newlaw chedules II-V, Drugs of Concern Yes (required) Authorized to Release Yes; if active investigation Version 4.2 Yes (required) res (required) es (required) https://www.in.gov/pla/inspect/files, N%20Data%20Submission%20Disper er%20Guide.pdf Schedules II-V, Drugs of Concern (ephedrine, psuedoephedrine) Requires a contract or MOU with PDMP Yes (potential pati for required ID) Prescription Electronic Collection and Tracking Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) https://pharmacy.iowa.gov/sites/defau lt/files/documents/2018/11/ia_data_s ubmission_dispenser_guide_v3_1.pdf Patient, Prescriber & Dispenser Histories Yes (not required but suggest to supply if available) Yes (not required but sugges supply if available) 2009 sing/CSR Fees Authorized to Release s (required) io (no data field) Program Yes (first and last name required; middle name not required but accepted if submitted) https://pharmacy.ks.gov/docs/d source/KTRACS/pmp-clearingh dispenser%27s-data-submission guide.pdf?sfvrsn=c2a6a201_0 Pharmacy Board Regulatory Board Fund Patient, Prescriber & Dispenser Histories 2011 Yes (required) es (required) Version 4.2 MOU between Cabinet and research agency. Completion Institutional Review Board if appropriate Yes (first and last name required; middle name not required but accepted if submitted) Kentucky All Schedule Prescription Electronic Reporting https://ekasperupload.chfs.ky.gov/KAS PER_Controlled_Substance_Reporting Gaide.pdf Department of Health es (not required but eccepted if submitted) http://www.pharmacy.la.gov/assets/c cs/PMP/LA-DispenserGuide_2016-0503.pdf Yes (first and last name required; middle name not required but accepted if submitted) Yes (required) Patient, Prescriber, Dispenser Histories, & Query Audit Trail 2008 es (not required but eccepted if submitted) Yes (first and last name required; middle name not required but accepted if submitted) need a MOU or data sharing agreement that has been approved by PMP Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoens, Search Warrant, Grand Jury) https://www.maine.gov/dhhs/samhs/s sa/data/pmp/files/ME-PMP-Data-Submission-Dispenser-Guide_2018.pd Authorized and Er of PDMP Data es (not required but respted if submitted) Yes (potential patient identifier for required ID) 2004 Substanc Agency tate General Revenue Schedules II-IV 2003 Yes (required) Yes (required) Yes (required) Current DHMH policy requires that submission of all research reconsts for Department-controlled data to be approved by the DHMH RE of the DHM Yes (first and last name required; middle name not required but suggested to supply if available) https://bha.health.maryland.gov/pds /Documents/MD%20PDMP_Dispens s%20Implementation%20Guide.pdf Prescription Drug Monitoring Program Yes (required) es (required) Yes (not required but suggested to supply if available) Maryland 2013 Version 4.2 Yes (first and last name required; middle name not required but suggested to supply if available) Patient, Prescriber, Dispenser Histories, & Query Audit Trail Yes (not required but suggested to supply if available) 1994 Authorized and Engaged Release of PDMP Data required) Patient, Prescriber, Dispenser Histories, & Query Audit Trail Yes (first and last name required; middle name required if available) Professional Licensing Agency Authorized and Er of PDMP Data https://www.michigan.gov/documents lara/MI_Data_Submission_Dispenser _Guide_576262_7.pdf Michigan 1989 need MOU in place Yes: if active investigation s (required) Yes (required) http://pmp.pharmacy.state.mn.us/asss ts/files/AWARsE%zoFiles/Minnesota-Data-Submission-Guide-for-Dispensers-Final.pdf Schedules II-V, Drugs of Concern (Gabapentin, Butalbital, Human growth hormones (C-III), Chorionic Gonadotropin (C-III), Pseudoephedrine and Ephedrine (C-V)) Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) Patient, Prescriber & Dispenser Histories Yes (potential patient identifier, the specified patient identifier, and required but accepted if submitted) The specified but accepted if submitted is submitted in the specified but accepted if submitted in the specified but accepted in t Minnesota Prescription Monitoring Program 2010 2007 les (required) Pharmacy Board

| State | Name of PDMP | Year Legislation Enacted | Year Operationa | Agency Responsible for Operation | Primary Source of Funding | Schedules/Types of Drugs Monitored | Release of De-identified Dat for Research, Epidemiological, or Educational purposes | Comments on De-identified Data Permission, if applicable | Law Enforcement Access to Data (PDMP Reports) and under what Circumstances | Reports Available to Law Enforcement | ASAP (American Society & Automation in Pharmacy Version Used | Requires Substance- related Driving Convictions to be Entered into PDMP (e.g., DUI, DWD | Name | Address | Phone Number | Date of Birth | Gender | Social Security Number | Driver's License Number | Other Form of ID (e.g., State Issued ID, Passport, Military ID?) | Ability to Collect More than One Form of Personal ID | Prescription Payment Method/Type | Source of Information on Data Elements/Identifiers in PDMP |
|-------------|--|--------------------------------|-----------------|--|------------------------------|---|--|--|---|---|--|---|--|----------------|---|----------------|---|--|--|---|--|---|--|
| sissippi | Mississippi Prescription Monitoring Program | 2005 | 2005 | Pharmacy Board | Regulatory Board Fund | Schedules II-V, Drugs of Concern (nalbuphine) | Authorized and Engaged Release of PDMP Data | N/A | Yes; if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | https://www.mbp.ms.gov/Documents/ AWARxE_Interface_Specification.pdf |
| souri | St Louis County PDMP (not statewide) | 2016 | 2017 | Department of Health | Federal Grant | Schedules II-IV | Authorized to Release | N/A | Yes; if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name required if available) | Yes (required) | Yes (not required but suggested to supply) | Yes (required) | Yes (not required but suggested to supply) | Yes (potential patient identifier not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (not required but suggested to supply if available) | Yes (required) | https://www.stlouisco.com/Portals/8/ docydocument%20library/PDMP/MO %20PMP%20Dispenser%20Guide_v1.0 _FINAL.pdf |
| ntana | Montana Prescription Drug Registry | 2011 | 2012 | Pharmacy Board | Licensing/CSR Fees | Schedules II-V | Authorized and Engaged Release of PDMP Data | N/A | Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) | Patient & Prescriber Histories & Query Audit Trail | older version; Version 4.1 | No | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (not required but suggested to supply) | Yes (required) | Yes (not required but suggested to supply) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | http://boards.bsd.dli.mt.gov/Portals/1 33/Documents/pha/mpdr/dli-bsd- mpdro13.pdf |
| raska | Nebraska Health Information Initiative | 2011 | 2011 | Department of Health | Federal Grant | Schedules II-V, Drugs of Concern (all prescription medications) | Authorized and Engaged Release of PDMP Data | N/A | Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) | No access | Version 4.2 | No | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (not required but accepted if submitted) | Yes (required) | Yes (not required but accepted if submitted) | Yes (potential patient identifier not required but accepted if submitted) | , Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | http://dhhs.me.gov/publichealth/PDM P/Documents/Nebraska%20PDMP%2 oDispenser%27s%20Implementation% 2nGuide_v1.1.pdf |
| ada | Prescription Controlled Substance Abuse Prevention Task Force | 1995 | 1997 | Pharmacy Board | Licensing/CSR Fees | Schedules II-IV | Authorized to Release | N/A | Yes; if active investigation | Patient & Prescriber Histories & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (required) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | http://bop.nv.gov/uploadedFiles/bopn vgov/content/Links/12.15_2017.PMP. D ata.Submission.Dispenser.Gaide.pdf |
| r Hampshire | New Hampshire PDMP | 2012 | 2014 | Pharmacy Board | State General Revenue | Schedules II-IV | Authorized to Release | N/A | Yes; if Court/Grand Jury Process (e.g., Court Order, Subporna, Search Warrant, Grand Jury) | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (not required but suggested to supply) | Yes (required) | Yes (not required but suggested to supply) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | https://www.opk.nh.gov/pharmacy/do cuments/nh-pdmp-data-submission- dispenser-guide.pdf |
| Jersey | New Jersey Prescription Monitoring and Reporting System | 2008 | 2011 | Law Enforcement Agency | Licensing/CSR Fees | Schedules II-V, Drugs of Concern (human growth hormones, gabapentin) | Authorized and Engaged Release of PDMP Data | N/A | Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (required) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (not required but accepted if submitted) | Yes (required) | https://www.njconsumeraffairs.gov/p mp/Documents/NJPMP-Data- Submission-Dispenser-Guide.pdf |
| Mexico | New Mexico Controlled Substance Prescription Monitoring Program | 2004 | 2005 | Pharmacy Board | Licensing/CSR Fees | Schedules II-V | Authorized and Engaged Release of PDMP Data | N/A | Yes; if active investigation | Patient, Prescriber & Dispenser Histories | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (not required but suggested to supply) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (not required but accepted if submitted) | Yes (required) | http://www.mmpmp.org/Documents/N M%20PMP%20Data%20Submission%2 oDispenser%20Guide.pdf |
| · York | Official Prescription Program | 1972 | 1973 | Department of Health | Other Funding | Schedules II-V, Drugs of Concern (Cherionic Gonadotropin (HCG) is C- III) | No Statutory Authority | N/A | Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | https://www.health.ny.gov/professional s/narcoffe/electronic_data_transmissi on/decs/submitter_guide.pdf |
| th Carolina | North Carolina Controlled Substances Reporting System | 2005 | 2007 | Substance Abuse Agency | State General Revenue | Schedules II-V | Authorized and Engaged Release of PDMP Data | PMP evaluates on case by case basis and send to PMP Review Board for approval | Yes; if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (required) | Yes (required) | Yes (not required but suggested to supply if available) | Yes (potential patient identifier not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (not required but accepted if submitted) | Yes (required) | https://info.apprisshealth.com/hubfs/ PDFDccuments/NC%zoData%zoSubm ission%20Dispenser%zoGuide_1.0.pdf |
| h Dakota | North Dakota Prescription Drug Monitoring Program | 2005 | 2007 | Pharmacy Board | Licensing/CSR Fees | Schedules II-V, Drugs of Concern (Gabapentin) | Authorized to Release | N/A | Yes; if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name required if available) | Yes (required) | Yes (required if available) | Yes (required) | Yes (required) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (not required but accepted if submitted) | Yes (required) | https://www.nodakpharmacy.com/pdfs /AWARxEmanual.pdf |
| 0 | Ohio Automated Rx Reporting System | 2005 | 2006 | Pharmacy Board | Licensing/CSR Fees | Schedules II-V, Drugs of Concern (Gabapentin, Medical Marijuana) | Authorized and Engaged Release of PDMP Data | Must meet Board policy requirements | Yes; if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | https://www.ohiopmp.gov/Documents/ Reporting%20te6620OARRS.pdf |
| ahoma | Olfahoma Prescription Monitoring Program | 1990 | 1991 | Law Enforcement Agency | Federal Grant | Schedules II-V, Drugs of Concern | Authorized to Release | de-id data to Dept of Mental Health & Substance Abuse Services and State Board of Health | Yes; if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (required) | Yes (required) | Yes (required) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (not required but accepted if submitted) | Yes (required) | https://www.ok.gov/obndd/documents /OK%20PMP%20Dispenser%20Guide _vt%200.pdf |
| gon | Oregon Prescription Drug Monitoring Program | 2009 | 2011 | Department of Health | Licensing/CSR Fees | Schedules II-IV, Drugs of Concern (psuedoephedrine) | Authorized and Engaged Release of PDMP Data | Approval required by OHA - must submit a data request and sign a data use agreement | Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) | Patient, Prescriber & Dispenser Histories | older version; Version 4.1 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (not required but accepted if submitted) | Yes (not required but accepted if submitted) | http://www.orpdamp.com/assets/files/2 017/Oregom_PDMP_Data_Submission _Dispersor_Guide.pdf |
| nsylvania | Prescription Monitoring Program | 1972 | 1973 | Department of Health | State General Revenue | Schedules II-V | Authorized to Release | N/A | Yes; if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | https://www.health.pa.gov/topics/Doc uments/Programs/PDMP/PAPDMP_D ispenserGuide_vq.pdf |
| de Island | Prescription Monitoring Program | 1978 | 1979 | Department of Health | Federal Grant | Schedules II-IV | Authorized and Engaged Release of PDMP Data | N/A | Yes; if active investigation | No access | Version 4.2 | No | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | http://health.ri.gov/publications/guide s/DataSubmissionDispenserGuideRIPD MP.pdf |
| h Carolina | South Carolina Reporting & Identification Prescription Tracking System | 2006 | 2008 | Department of Health | Licensing/CSR Fees | Schedules II-IV | Authorized and Engaged Release of PDMP Data | N/A | Yes; if active investigation | Patient & Prescriber Histories & Query Audit Trail | Version 4.2 | No. but state has looked at | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (not required but accepted if submitted) | Yes (required) | Yes (not required but accepted if submitted) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | https://scdhee.gov/sites/default/files/d ocs/Health/docs/sc-dispensers- implementation-guide.pdf |
| h Dakota | South Dakota Prescription Drug Monitoring Program | 2010 | 2011 | Pharmacy Board | Regulatory Board Fund | Schedules II-V | Authorized to Release | N/A | Yes; if active investigation | Patient, Prescriber & Dispenser Histories | Version 4.2 | law enforcement PDMP queries and criminal history data. Found that in a few cases, the query was related to a DUI or eluding a law | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (not required but accepted if submitted) | https://doh.sd.gov/boards/pharmacy/ assets/SD-Data-Submitter-Guide.pdf |
| iessee | Controlled Substance Monitoring Database | 2003 | 2006 | Pharmacy Board | Licensing/CSR Fees | Schedules II-V, Drugs of Concern | Authorized to Release | N/A | Yes; if active investigation | Patient, Prescriber & Dispenser Histories | older version; Version 4.1 | No | Yes (first and last name required; no field for middle name) | Yes (required) | No (no data field) | Yes (required) | Yes (required) | No (no data field) | No (no data field) | No (no data field) | No (no data field) | Yes (required) | https://www.tarxreport.com/docs/Dat aReportingManualiorTN.pdf |
| is | Texas Prescription Program | 1981 | 1982 | Pharmacy Board | State General Revenue | Schedules II-V | Authorized to Release | statute allows, at the Director's discretion, to share information with researchers | Yes, if active investigation | Patient, Prescriber & Dispenser Histories | Version 4.2 | No Yes, requires renewting of | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | https://www.pharmacy.texas.gov/files _pdf/Dispenser_Guide.pdf |
| h | Utah Controlled Substance Database Program | 1995 | 1996 | Professional Licensing Agency | Licensing/CSR Fees | Schedules II-V, Drugs of Concern (Butalbital/acetaminophen products) | Authorized to Release | N/A Department of Health Use of | Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) | Patient & Prescriber Histories | Version 4.2 | Yes, requires reporting of convictions of DUI or driving while impaired (http://www.pdmpassist.org, pdf/PPTs/18- 04A_Green_Legislative_Upd | Yes (first and last name required) | Yes (required) | No | Yes (required) | Yes (required) | No | No | No | No | No | https://dopl.utah.gov/programs/csdb/ R156-37f.pdf |
| mont | Vermont Prescription Monitoring System | 2006 | 2009 | Department of Health | Other Funding | Schedules II-IV | Authorized to Release | Data 1. The Department may use the data contained in the VPMS database for health promotion purposes including the publication of aggregate, de- | Yes; if Court/Grand Jury Process (e.g., Court Order, Subpoena, Search Warrant, Grand Jury) | Patient, Prescriber & Dispenser Histories | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (required) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but suggested to supply if available) | | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (not required but accepted if submitted) | Yes (required) | http://www.healthvermont.gov/sites/d ofault/files/documents/pdf/ADAP_VP MS_Data_Collection_Manual.pdf |
| inia | Virginia Prescription Monitoring Program | 2002 | 2003 | Professional Licensing Agency | Other Funding | Schedules II-V, Drugs of Concern (Gabapentin, Naloxone) | Authorized and Engaged Release of PDMP Data | MOU needs to be submitted and approved by Director Must be for statistical, research, | Yes; if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (not required but suggested to supply) | Yes (required) | Yes (required) | Yes (potential patient identifier not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (potential patient identifier, not required but suggested to supply if available) | Yes (not required but accepted if submitted) | Yes (required) | https://www.dhp.virginia.gov/dhp_pro grams/pmp/docs/VAPMPD/spenserGu ide_vx.6.pdf |
| ington | Prescription Review | 2007 | 2011 | Department of Health | Federal Grant | Schedules II-V, Drugs of Concern | Authorized and Engaged Release of PDMP Data | or educational purposes after removing information that could be used to identify individual patients, dispensers, prescribers, and persons who | Yes; if active investigation | Patient, Prescriber & Dispenser Histories | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (not required but accepted if submitted) | Yes (required) | http://www.wapmp.org/assets/files/20 17/WA_PMP_Dispensers_Implementa tion_Guide_ASAP_4-2.pdf |

| State | Name of PDMP | Year Legislation Enacted | Year Operation | Agency al Responsible fo Operation | Primary Source of Funding | Schedules/Types of Drugs Monitored | Release of De-identified Dat for Research, Epidemiological, or Educational purposes | Comments on De-identified Data Permission, if applicable | Law Enforcement Access to Data (PDMP Reports) and under what Circumstances | Reports Available to Law Enforcement | ASAP (American Society for Automation in Pharmacy) Version Used | Requires Substance- related Driving Convictions to be Entered into PDMP (e.g., DUI, DWI) | 1 Name | Address | Phone Number | Date of Birth | Gender | Social Security Number | Driver's License Number | Other Form of ID (e.g., State Issued ID, Passport, Military ID? | Ability to Collect More than On Form of Personal ID | e Prescription Payment Method/Type | t Source of Information on Data Elements/Identifiers in PDMP |
|--|---|--------------------------------|----------------|--|------------------------------|--|--|--|---|---|---|--|--|----------------|---|----------------|----------------|--|--|---|--|---------------------------------------|---|
| Washington, District of Columbia | Prescription Drug Monitoring Program | 2014 | 2016 | Department of Health | Licensing/CSR Fees | Schedules II-V, Drugs of Concern (Cyclobenzaprinem, Butalbital) | Authorized to Release | N/A | Yes; if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (required) | Yes (required) | Yes (required) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (not required but accepted if submitted) | Yes (required) | https://doh.dc.gov/sites/default/files/d c/sites/doh/publication/attachments/D C%20PMP%20AWARxE%20Dispenser %20Gaide_Final.pdf |
| West Virginia | Controlled Substance Automated Prescription Program | 1995 | 1995 | Pharmacy Board | Licensing/CSR Fees | Schedules II-V, Drugs of Concern (opioid antagonists, gabapentin) | Authorized and Engaged Release of PDMP Data | N/A | Yes; if active investigation | Patient, Prescriber & Dispenser Histories | Version 4.2 | No | Yes (first and last name required; middle name not required but suggested to supply if available) | Yes (required) | Yes (required if available) | Yes (required) | Yes (required) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (potential patient identifier for required ID) | Yes (not required but accepted if submitted) | Yes (required) | https://www.qualityinsights- qin.org/Files/SIP22016/PCP/AppN_W V-Dispenser-Guide_508.aspx |
| Wisconsin | Wisconsin Prescription Drug Monitoring Program | 2010 | 2013 | Professional Licensing Agency | Licensing/CSR Fees | Schedules II-V, Drugs of Concern | Authorized and Engaged Release of PDMP Data | N/A | Yes; if active investigation | Patient, Prescriber & Dispenser Histories | Version 4.2 | No | Yes (first and last name required; middle name not required but accepted if submitted) | Yes (required) | Yes (not required but accepted if submitted) | Yes (required) | Yes (required) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (potential patient identifier, not required but accepted if submitted) | Yes (not required but accepted if submitted) | Yes (required) | https://pdmp.wi.gov/download?fileNa me=WIPDMPDataSubmitterGuide.pdf |
| Wyoming | Prescription Drug Monitoring Program | 2003 | 2004 | Pharmacy Board | Licensing/CSR Fees | Schedules II-V, Drugs of Concern | Authorized to Release | N/A | Yes, if active investigation | Patient, Prescriber, Dispenser Histories, & Query Audit Trail | Version 4.2 | No | Yes (first and last name required) | Yes (required) | No | Yes (required) | Yes (required) | No | No | No | No | No | http://www.named.org/interary/8D68 BBio-960C-61A5- 38C196280C87090/ https://drive.google.com/file/d/1ePQ7 afLHFie8- |

Additional examples of FFMM Bildings projects backed.

Annu. All, resolubility SC, Organization SC, Alleman A, Characteristics of off-inflixed data evention facility in North Cambian. Drog. Evolubil Dysond. 2017;311:44-8.

Dev B, Librik SE, Hidden C, et al. Association between mind contin encoderance insteases and subsequent laws between seames contining are national a statewisk resonance cohort math. J Gen hown Mad. 2017;32(1):21-27.

Century P. Hidden's SY, via Contact. J. et al. Annual continues the contraction data members are recentlined for members are recentlined as a statewisk contraction. J State 2017;32(1):21-21.

Century P. Hidden's SY, via Contact. J. et al. Annual contraction contraction and contraction and contraction and contraction. J State 2017;32(1):21-21.

Century P. Hidden's SY, State Contraction and Contraction an

Appendix Table 2. Attributes of crash report databases pertinent to linked analyses with prescription drug monitoring program data by state and the District of Columbia (n=51)

| | Apper | ndix Table 2. Attributes of c | rash report databa | ses pertinent to link | ed analyses with prescription drug monitoring program data by state and the District | t of Columbia (n=51) | | | | | | | | | | | |
|-------------------------|-------|---------------------------------------|-------------------------------------|--|--|--|--|-------------------------------|-----------------------|------------------|------------|-------------------|------------|-------------------------------|------------------|------------|------|
| | | | | | | | | | | | | Potent | ial Linka | ge Elements | | | |
| State | Year | Drug Suspected/ Opinion/ Assesment | Assesment Reported Drug Test Result | | Type of Drugs, in Case of Reporting a List | Illicit Drugs vs. Prescription Drugs/Medications | Alcohol Suspected/ Opinion/ Assesment | Alcohol Test Type Reported | Report Alcohol BAC | Date of Crash | Location | XY coordinates | Name | Driver's License Number | Date of Birth | Address | Race |
| Alabama | 2010 | Yes | Yes | Positive Negative | No. | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Alaska | 2014 | Yes | Yes | List | 1 MARLJUANA2 COCAINE3 OPIATE4 AMPHETAMINE5 PCP87 OTHER CONTROLLED SUBSTANCY | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | |
| Arizona | 2017 | Yes | Yes | List | 1 MARIJUANA2 COCAINE3 OPIATE4 AMPHETAMINE5 PCP87 OTHER CONTROLLED SUBSTANCY | es | Yes | Yes | Yes | Yes | Yes | - | Yes | Yes | Yes | | |
| Arkansas | 2016 | No | Yes | Positive Negative | no |) | No | Yes | Yes | Yes | Yes | - | Yes | Yes | Yes | Yes | Yes |
| California | 2016 | Unknown | Unknown | Unknown | no | | Unknown | Yes | Unknown | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Colorado Connecticut | 2006 | Yes | Yes Yes | DRE Positive Negative | No Ye | | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | _ |
| DC | 2015 | Yes Unknown | No. | Not mentioned | no | | Unknown | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | _ |
| Delaware | 2014 | Yes | Yes | List | o1 o1 - Marijuanao2 o2 - Cocaineo3 o3 - Opiateso4 o4 - Amphetamineso5 o5 - PCP88 88 - Other Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Florida | 2011 | Yes | Yes | Positive Negative | Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Georgia | 2018 | Yes | Yes | Positive Negative | No. | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | _ |
| Hawaii | 2010 | Yes | Yes | Positive Negative | Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Idaho | 2011 | Yes | Yes | Positive Negative | No. | 0 | Yes | Yes | Yes | Yes | Yes | _ | Yes | Yes | Yes | Yes | - |
| Illinois | 2013 | No | Yes | Narrative | Ye | es | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | - |
| Indiana | 2011 | No | Yes | Positive Negative | Ye | es | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Iowa | 2013 | Yes | Yes | Positive Negative | Ye | es | Yes | Yes | Yes | Yes | Yes | - | Yes | Yes | Yes | Yes | |
| Kansas | 2014 | No | Yes | Positive Negative | Ye | es | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | - |
| Kentucky | 2008 | Unknown | Yes | Unknown | no |) | Unknown | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Louisiana | 2005 | Yes | Yes | Narrative | no | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Maine | 2010 | Yes | Yes | Positive Negative | Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Maryland | 2017 | No | Yes | Positive Negative | Ye | | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Massachusetts | 2005 | Yes | Yes | List | 1 Marijuana2 Cocaine3 Opiates4 Amphetamines5 PCP6 OtherCrash report (collected at scene) Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Michigan | 2014 | Yes | Yes | List | $Ace to min or hen + Code in e Code in e Dimeth vlthiam but en e Hero in Hvdrocod on e Meth vlf en tanvl Morphin\cdot Year of the Code in e Dimeth vlthiam but en e Hero in Hvdrocod on e Meth vlf en tanvl Morphin\cdot Year of the Code in e Dimeth vlthiam but en e Hero in Hvdrocod on e Meth vlthiam but en e Hero in Hvdrocod on e Hvdrocod on e Hero in Hvdrocod on e Hvdrocod on e Hero in Hvdrocod on e Hero in Hvdrocod on e $ | | Yes | Yes | Yes | Yes | Yes | - | Yes | Yes | Yes | Yes | |
| Minnesota | 2006 | Yes | Yes | Unknown | no | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Mississippi Missouri | 2009 | No | Yes No | Supplemental document Not mentioned | no no | | No Yes | Yes No | Yes No | Yes Yes | Yes Yes | Yes Yes | Yes | Yes Yes | Yes Yes | Yes | Yes |
| Montana | 2012 | Yes Unknown | Not mentioned | Positive Negative | no no | | Unknown | Yes | Yes | Yes | Yes | Yes | Yes | Yes | res | Yes | - |
| New York | 2005 | No | Unknown | Unknown | Ye Ye | | No | Unknown | Unknown | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Nebraska | 2005 | Yes | No | Not mentioned | Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | 140 |
| Nevada | 2010 | Yes | Yes | Positive Negative | Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Yes |
| New Hampshire | 2009 | No | Yes | Positive Negative | Ye | | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| New Jersey | 2017 | Yes | Yes | Positive Negative | Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| New Mexico | 2011 | Yes | Yes | Positive Negative | Ye | 28 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| North Carolina | 2013 | Yes | Yes | Positive Negative | Ye | es | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | - |
| North Dakota | 2009 | No | Yes | Positive Negative | Ye | es | No | Yes | Yes | Yes | Yes | _ | Yes | Yes | Yes | Yes | - |
| Ohio | 2015 | Yes | Yes | Positive Negative | Ye | es | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | - |
| Oklahama | 2007 | No | No | Not mentioned | ye | | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | - |
| Oregon | 2012 | No | Yes | Positive Negative | Ye | | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Pennsylvania | 2007 | Yes | Yes | Positive Negative | Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Rhode Island | 2013 | Yes | Yes | Positive Negative | Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| South Carolina | 2010 | No | Yes | List | 1'='Amphetamines"2'='Cocaine"3'='Marijuana"4'='Opiates"5'='PCP"8'='Other" '='No Test Given or Nes no | | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| South Dakota | 2007 | Yes | Yes | Positive Negative | Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | - |
| Tennessee | 2017 | Yes | Yes | List | 00 - No Drug Reportedo2 - Marijuana03 - Cocaine04 - Opiates05 - Ampetamines06 - PCP07 - Metham Ye | | Yes No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Texas | 2012 | No | Yes | Positive Negative | no | | | Yes | Yes Yes | Yes | Yes | Yes | Yes | Yes | Yes | | |
| Utah Vermont | 2015 | Yes No | Yes Yes | Positive Negative List | Ye pending/cenral nervous system depressants/hallucinogens/dissociative anethetics/ narcotic analgesic; no | | Yes No | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | Yes Yes | - |
| Virginia | 201/ | No No | Unknown | Positive Negative | pending/cental nervous system depressants/nanucinogens/dissociative anethetics/ narcotic analgesic, no no | | No No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | - |
| Washington | 2014 | No No | Yes | List | FROM DRE officer: (1) CNS – Depressants(2) CNS – Stimulants(3) Hallucinogens(4) PCP(5) Narcotic Ye | | No No | Yes | Yes | Yes | Yes | 162 | Yes | Yes | Yes | Yes | - |
| West Virginia | 2014 | Yes | Yes | List | NoneMarijuanaCocaineOpiateAmphetaminePCPOther Controlled SubstanceOther Drug Ye | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | - |
| Wisconsin | 2016 | No | Yes | List | 0 = BLANK'19= MARLJUANA'20= COCAINE'21= OPIATES'22= AMPHETAMINES'22= PCP'24= OTHI Ye | | No. | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Wyoming | 2007 | Yes | Yes | Positive Negative | 0 - BLANK IV- MAKISUKINA 20- COCAINE 21- OFIATES 22- AMFIRETAMINES 24- FCF 24- OTHE 18 | | Yes | Yes | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | |
| , | -00/ | | | | 110 | | | | | | | | | | | | |

Additional examples of crash report linkage projects include:

Thomas AM. Thycerson SM. Mernill RM. Cook LJ. Identifying work-related motor vehicle crashes in multiple databases. Traffic Int Prev. 2012;13(4):348-354.

Gorzalez RP, Cummings GR, Phelan HA. Mulekar MS, Rodning CB. Does increased emergency medical services prehospital time affect patient mortality in rural motor vehicle crashes? A statewide analysis. Am J Surg. 2009;197(1):30-34.