Data dictionary

The data sources for the Social Complexity indicators used by the DHS-OHA Health Complexity project are included below. Where applicable, caveats to the data sourcing are included in the commentary. For DHS data, the source systems provided their data to DHS-Integrated Client Services (ICS), who matched clients across multiple programs. The program caseload categories of the source systems are included for all DHS-ICS data used.

Social Complexity Indicator	Data source[1]	Time period[2]	Notes
Poverty - Child	ICS-TANF Caseloads	2000 – 2022	TANF-BASIC and TANF-UN (Unemployment) caseloads capture individuals experiencing extreme poverty (below 37% FPL).
Poverty - Parent	ICS-TANF Caseloads	2000 - 2022	TANF-BASIC and TANF-UN (Unemployment) caseloads capture individuals experiencing extreme poverty (below 37% FPL).
Foster Care	ICS-FC Caseloads	2000 – 2022	Child has received child welfare services.[3]
Parent Death	OHA Vital Statistics	2000 – 2022	Any parent on birth certificate has died in the state of Oregon or has had their death reported to the state of Oregon.
Parental incarceration	ICS-DOC Caseloads	2000 – 2022	Individuals incarcerated by or under the control of the Dept. of Corrections. This is limited to state-level felony charges and does not include county and municipal incarcerations.
Mental health - Child	ICS – NMH Caseloads	2000 – 2022	Service utilization history
Mental health - Parent	ICS – NMH Caseloads	2000 – 2022	Service utilization history

[1] ICS refers to the DHS-Integrated Client Services (ICS) Data Warehouse, under the Office of Forecasting, Research and Analysis. Data collected by this system is used primarily to forecast caseloads for DHS and OHA programs.

[2] Sept 30, 2022 is the end of the study period in the dataset. Any data available after this date are excluded from this report.

[3] The Foster Care data from 2011 to 2022 comes from the DHS ORKIDS Child Welfare Information System. Placements prior to 2011 were imported from the legacy FACES system and were imported by DHS/OHA staff manually in 2011 and may not include all Foster Care placements prior to 2011. This means it is likely we are not capturing all children who interacted with the foster care system prior to 2011.

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Substance Abuse - Child	ICS-AD Caseloads	2000 - 2022[4]	Individual has received services for substance abuse disorders either mandated or voluntarily.
Substance Abuse - Parent	ICS-AD Caseloads	2000 - 2022[4]	Individual has received services for substance abuse disorders either mandated or voluntarily.
Child Abuse or Neglect[5]	OHA; ICD-9 and ICD-10 diagnosis codes	2002-2022	Flag variable from claims data created by OHA.
Potential Language Barrier	OHA Medicaid	Most current available	Preferred language other than English.[6]
Parental disability	OHA Medicaid	2002-2022	One or both identified parents is eligible for Medicaid due to a recognized disability. [7]

Detailed Data Sources

Poverty

Child and parent-level poverty indicators were sourced from DHS-ICS Self Sufficiency Program (SSP) caseloads from 2000-2022. This includes all individuals receiving TANF Basic or TANF Unemployment (UN) services.

Caseload Category Code	Description
SS03	TANF Basic - Adult Receiving TANF
SS04	TANF Basic - Disabled Parent Receiving

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[4] Alcohol and Drug data availability has changed since the 2018 Health Complexity data release. In the prior iteration of this study, data were only available from 2000 to 2014. DHS-ICS now has received data through 2022 for Alcohol & Drug services.

[5] These diagnosis codes were used as a positive flag that the child experienced child abuse or neglect as diagnosed by a medical provider. There will be children who have experienced abuse or neglect for whom there is not a diagnosis in the claims data.

[6] Language other than English listed in the primary language field. This information is the most current available from OHA Medicaid Enrollment.

[7] Disability determination comes from the DHS Aging & People with Disabilities program. For more information, see OAR 411-015 (https://www.dhs.state.or.us/policy/spd/rules/411_015.pdf).

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Caseload Category Code	Description
SS05	TANF Basic - Non-Needy Caretaker Relative
SS06	TANF Basic - Ineligible Non-Citizen
SS07	TANF Basic - Disqualified for Non-Coop
SS08	TANF Basic - Other No Adult Receiving
SS09	TANF UN - Adult Receiving TANF
SS10	TANF UN - Disabled Parent Receiving
SS11	TANF UN - Ineligible Non-Citizen Parent
SS35	TANF UN - Ineligible Non-Citizen Parent
SS29	TANF UN - Disabled Parent Receiving
SS30	TANF UN - Ineligible Non-Citizen Parent
SS31	TANF UN - Disqualified for Non-Coop
SS32	TANF UN - Other No Adult Receiving
SS33	TANF UN - Adult Receiving TANF Stat
SS34	TANF UN - Disabled Parent Receiving
SS12	TANF UN - Disqualified for Non-Coop
SS13	TANF UN - Other No Adult Receiving
SS36	TANF UN - Disqualified for Non-Coop
SS28	TANF UN - Adult Receiving TANF Stat
SS37	TANF UN - Other No Adult Receiving

Foster Care

DHS-ICS data from 2000 – 2022. Data after August 2011 is from the OR-KIDS Child Welfare Information System implemented by DHS. The data prior to 2011 may not include all Foster Care placements as the data were manually imported from a legacy system. All included caseload categories are listed below. This includes Foster Care placements, where a child is removed from the home and placed in the care of a relative or a contracted provider, as well as other placements and interactions. While differing levels of care are included, individuals placed in certain settings may not have been placed for similar reasons as their peers and inferences about the child's social risk based on the level of foster care placement cannot be made using these data. All interactions were treated equally.

Caseload Category Code	Description
ORK01	Paid Adoption Assistance
ORK02	Non-paid Adoption Assistance
ORK03	Paid Guardianship Assistance
ORK04	Non-paid Guardianship Assistance
ORK05	Paid Foster Care – Relative
ORK06	Paid Foster Care – Non-relative
ORK07	Paid Foster Care – Kith/Kin
ORK08	Paid Foster Care – Other
ORK09	Paid Tribal Custody Foster Care
ORK11	Youth on Housing Subsidy
ORK12	Personal Care
ORK13	Enhanced Supervision – Level 1
ORK14	Enhanced Supervision – Level 2
ORK15	Enhanced Supervision – Level 3
ORK16	Enhanced Supervision – Other
ORK17	Developmentally Disabled Foster Care
ORK18	Unpaid Foster Care
ORK20	Residential Treatment – BRS Placement – Umbrella
ORK21	Residential Treatment – Non-BRS Placement – Umbrella
ORK22	Special Contracts – BRS Placement – Special
ORK23	Special Contracts – Non-BRS Placement – Special
ORK24	Target Children – BRS Placement – Target
ORK25	Target Children – Non-BRS Placement – Target

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Caseload Category Code	Description
ORK26	Foster Family Enhanced Shelter Care – Kith/Kin
ORK27	Foster Family Enhanced Shelter Care – Non-Relative
ORK28	Foster Family Enhanced Shelter Care – Relative
ORK29	Foster Family Shelter Care – Kith/Kin
ORK30	Foster Family Shelter Care – Non-Relative
ORK31	Foster Family Shelter Care – Relative
ORK33	Tribal Custody Shelter Care
ORK34	Trial Reunification
ORK35	Unpaid Other Substitute Care
ORK36	Unpaid Tribal Custody Foster Care
ORK43	Protected child In-Home, CPS, First 60 days
ORK44	Protected child In-Home, FSS, First 60 days
ORK45	Protected child In-Home, CPS
ORK46	Protected child In-Home, FSS
ORK49	Reunified child In-Home, CPS
ORK50	Reunified child In-Home, FSS
ORK51	Juvenile Justice Custody Foster Care
ORK52	Child In-Home, No Prior Foster Care
ORK53	Child In-Home, Prior Foster Care
ORK54	Interstate Compact Placement of Children Case Supervision
ORK55	Non-Placement Services
ORK56	Child Care for Foster Parents
ORK57	Direct Placement Supports
ORK58	FOCUS Placement Supports
ORK59	Residential Treatment - BRS Placement - Facility
ORK60	Residential Treatment - BRS Placement - Home
ORK61	Residential Treatment - Non-BRS Placement - Facility
ORK62	Residential Treatment - Non-BRS Placement - Home
ORK63	Family Preservation In-Home
ORKCW1	Legacy System - Protected Child In Home - In Home
ORKCW2	Legacy System - Protected Child In Home - CPS

Caseload Category Code	Description
ORKCW3	Legacy System - Reunified Child In Home - In Home
ORKCW4	Legacy System - Reunified Child In Home - CPS

Parent Death

The data provided for this category are provided by DHS-ICS and sourced from OHA Vital Statistics. This data is limited to biological parents as identified on the child's birth certificate, and only for parents who died in Oregon or had their death reported in Oregon. The data in ICS dates to 1989 for birth and death certificates and is limited in this study to the life of the child plus one calendar year.

Parental Incarceration

DHS-ICS data sourced from Oregon DOC and includes all individuals incarcerated or supervised by the Oregon Department of Corrections. This is limited to state-level felonies only, and for only individuals incarcerated or supervised by DOC.

Mental Health

Data were provided by OHA to DHS-ICS from 2000-2022. Data from prior to December 31, 2014 were from the Client Process Monitoring System (CPMS) and data after December 31, 2014 were from the Measures and Outcomes Tracking System (MOTS).

Caseload Category Codes	Description
NMH02	Oregon State Hospital Aid & Assist
NMH03	Oregon State Hospital Civil Commitment
NMH07	Acute Care Hospital Civil Commitment
NMH11	24-Hour Secure Residential Treatment Facility Civil Commitment
NMH15	24-Hour Residential Treatment Facility Civil Commitment
NMH19	24-Hour Residential Treatment Home Civil Commitment
NMH23	24-Hour Residential Adult Foster Home Civil Commitment
NMH27	24-Hour Residential Enhanced Care Civil Commitment
NMH31	24-Hour Residential Care Non-Medicaid Civil Commitment
NMH35	24-Hour Residential Secure Adolescent Inpatient Program Civil Commitment
NMH43	24-Hour Residential Secure Intensive Treatment Services Civil Commitment Youth

Caseload Category Codes	Description
NMH51	24-Hour Psychiatric Residential Youth Care Civil Commitment
NMH55A	Non-Residential Assertive Community Treatment Civil Commitment Adult
NMH59A	Non-Residential Supported Employment Civil Commitment Adult
NMH63Y	Non-Residential Other Outpatient Civil Commitment Youth
NMH63A	Non-Residential Other Outpatient Civil Commitment Adult
NMH67	Non-Residential Psychiatric Day Treatment Youth Civil Commitment
NMH04	Oregon State Hospital GEI
NMH08	Acute Care Hospital GEI
NMH12	24-Hour Secure Residential Treatment Facility GEI
NMH16	24-Hour Residential Treatment Facility GEI
NMH20	24-Hour Residential Treatment Home GEI
NMH24	24-Hour Residential Adult Foster Home GEI
NMH28	24-Hour Residential Enhanced Care GEI
NMH32	24-Hour Residential Care Non-Medicaid GEI
NMH36	24-Hour Residential Secure Adolescent Inpatient Program GEI
NMH44	24-Hour Residential Secure Intensive Treatment Services GEI Youth
NMH52	24-Hour Psychiatric Residential Youth Care GEI
NMH56A	Non-Residential Assertive Community Treatment GEI Adult
NMH60A	Non-Residential Supported Employment GEI Adult
NMH64A	Non-Residential Other Outpatient GEI Adult
NMH70	GEI Community
NMH01	Oregon State Hospital Never Mandated
NMH06	Acute Care Hospital Never Mandated
NMH10	24-Hour Secure Residential Treatment Facility Care Never Mandated
NMH14	24-Hour Residential Treatment Facility Never Mandated
NMH18	24-Hour Residential Treatment Home Never Mandated
NMH22	24-Hour Residential Adult Foster Home Never Mandated

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Caseload Category Codes	Description
NMH26	24-Hour Residential Enhanced Care Never Mandated
NMH34	24-Hour Residential Secure Adolescent Inpatient Program Never Mandated
NMH38	24-Hour Residential Secure Children's Inpatient Program Never Mandated
NMH42	24-Hour Residential Secure Intensive Treatment Services Never Mandated Youth
NMH46	24-Hour Residential Stabilization Treatment Services Never Mandated Youth
NMH50	24-Hour Psychiatric Residential Youth Care Never Mandated
NMH58Y	Non-Residential Supported Employment Never Mandated Youth
NMH58A	Non-Residential Supported Employment Never Mandated Adult
NMH62Y	Non-Residential Other Outpatient Never Mandated Youth
NMH62A	Non-Residential Other Outpatient Never Mandated Adult
NMH66	Non-Residential Psychiatric Day Treatment Youth Never Mandated
NMH05	Oregon State Hospital Previously Mandated
NMH09	Acute Care Hospital Previously Mandated
NMH13	24-Hour Secure Residential Treatment Facility Previously Mandated
NMH17	24-Hour Residential Treatment Facility Previously Mandated
NMH21	24-Hour Residential Treatment Home Previously Mandated
NMH25	24-Hour Residential Adult Foster Home Previously Mandated
NMH29	24-Hour Residential Enhanced Care Previously Mandated
NMH33	24-Hour Residential Care Non-Medicaid Previously Mandated
NMH37	24-Hour Residential Secure Adolescent Inpatient Program Previously Mandated
NMH41	24-Hour Residential Secure Children's Inpatient Program Previously Mandated
NMH64A	Non-Residential Other Outpatient GEI Adult
NMH64Y	Non-Residential Other Outpatient GEI Youth
NMH65A	Non-Residential Other Outpatient GEI Adult
NMH65Y	Non-Residential Other Outpatient GEI Youth
NMH68	Non-Residential Psychiatric Day Treatment Youth Previously Mandated
NMH69	Non-Residential Psychiatric Day Treatment Youth Previously Mandated

Caseload Category Codes	Description
NMH71	CC Community
NMH72	Community Restoration Aid and Assist

Substance Abuse

Data are from 2000 – 2022. Data from prior to 2014 are from a legacy system.

Caseload Category Code	Description
AD01	Intervention
AD02	Alcohol Detox
AD03	Drug Detox
AD04	DUII Rehab
AD05	Methadone Detox
AD06`	Hospitalization
AD07	Residential Alcohol Treatment
AD08	Residential Drug Treatment
AD09	Community Intensive Residential Treatment
AD10	Outpatient Treatment
AD11	DUII Information & Education
AD12	Marijuana Information & Education
AD13	Marijuana Rehab
AD14	Minors In Possession
AD15	Methadone Maintenance
AD16	Methadone Dispensing
AD17	Community Detox (2017)
AD18	Methadone Maintenance (2017)
AD19	Outpatient Treatment (2017)

AD20	Residential Treatment (2017)

Child Abuse and Neglect

Data was sourced from ICD-9 and ICD-10 diagnosis codes for children on the dataset and were provided by Oregon Health Authority. These codes include T74, T76, Z62, and the 995.5X ICD-9 codes.

ICD Code	Description
995.53	ICD-9. Child sexual abuse.
995.54	ICD-9. Child physical abuse.
T74.12X(A/D/S)	ICD-10. Child physical abuse, confirmed.
T74.22X(A/D/S)	ICD-10. Child sexual abuse, confirmed.
T76.12X(A/D/S)	ICD-10. Child physical abuse, suspected.
T76.22X(A/D/S)	ICD-10 Child sexual abuse, suspected.
Z62	ICD-10. Problems related to upbringing. Includes all subcodes for Z62.

Potential Language Barrier

The data source for this potential risk factor comes from OHA Medicaid data sources and reflects the individuals' primary language preference on file with OHA. These data were obtained from Medicaid enrollment for the client and reflect the most recent data available in 2022. OHA does not keep historical data on primary language preferences.

Parent Disability

These data were obtained by OHA from DHS source systems. This potential risk factor is present for children whose biological parents were listed as having a disability during their Medicaid enrollment. The data reflect the most recent Medicaid enrollment data available in 2022. Disability determination was made by the DHS Aging & People with Disabilities program using their established Service Priority Levels (SPL)[8].

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[8] See OAR 411-015 (https://www.dhs.state.or.us/policy/spd/rules/411_015.pdf) for more information on the DHS-APD determination of need.

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