

SDOH Impacts on Medicaid Patient Management Working Together to Identify and Address Social Determinants of Health

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Agenda



- Nebraska Health Network (NHN) overview
- Social Determinants of Health Impacts
- SDoH in Action
- Application in Medicaid VBCs

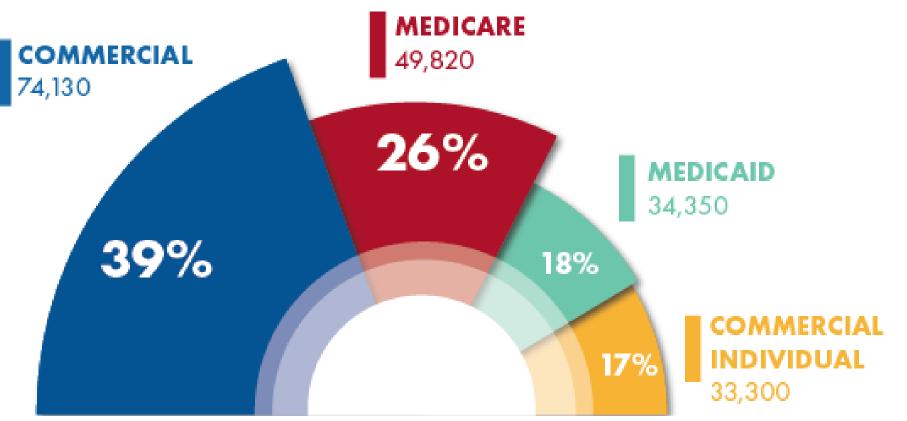


NHN overview





Value-Based Contract Lives



191,600 Covered Lives

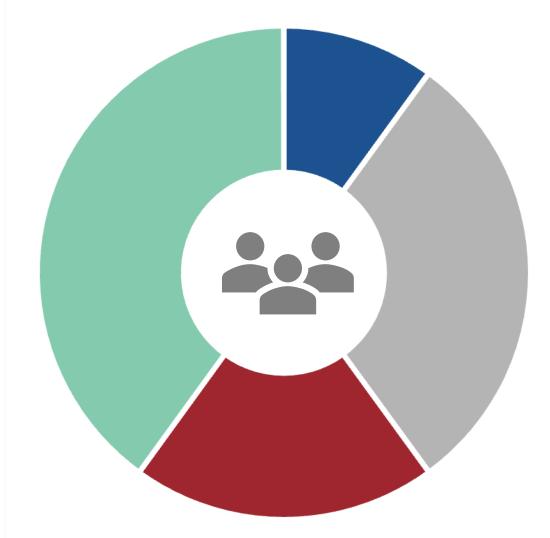


SDoH Impacts





Clinical Outcome Dependencies



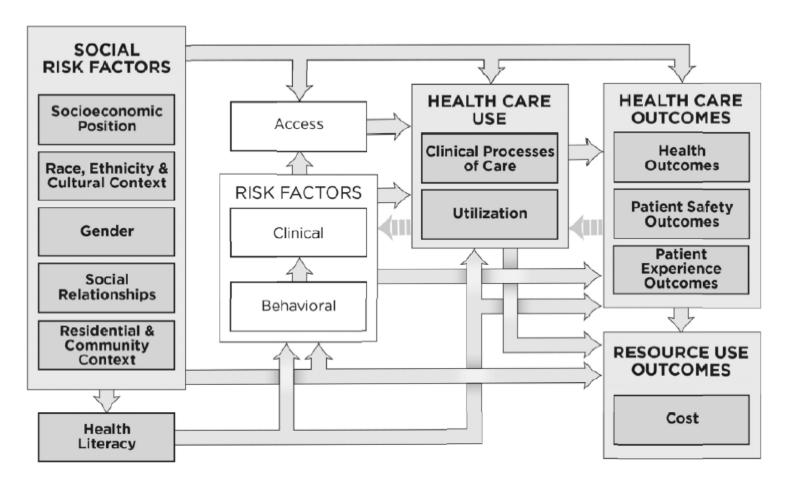
Physical Environment: 10%
Health Behaviors: 30%
Clinical Care: 20%
Social and Economic Factors: 40%

Source: Robert Wood Johnson Foundation

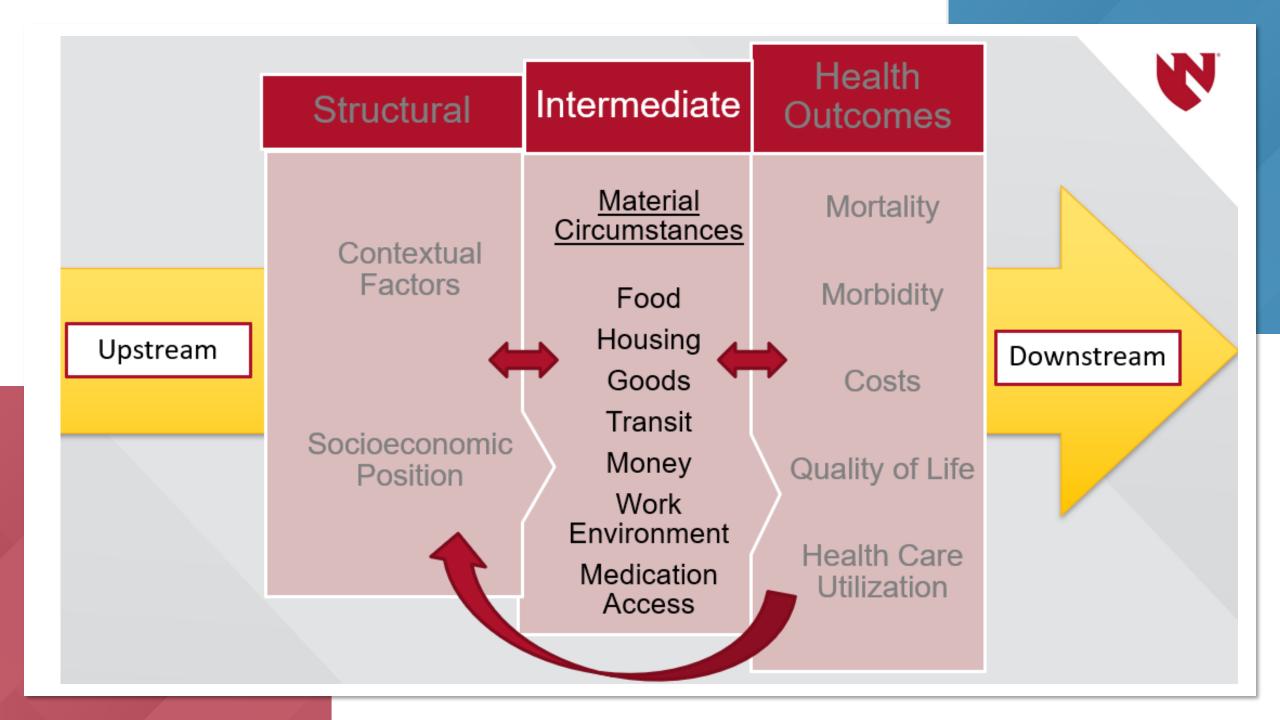
IMPACT Findings

- Social Risk Factors impact many quality measures regardless of the providers they saw.
- 2. Providers disproportionately serving beneficiaries with social risk factors tended to have worse performance and pay somewhat higher penalties.

Figure 2.1. National Academies of Sciences, Engineering, and Medicine's Conceptual Framework of Social Risk Factors for Healthcare Use, Outcomes, and Cost



Source: National Academies of Sciences, Engineering, and Medicine. Accounting for Social Risk Factors in Medicare Payment: Identifying Social Risk Factors. Washington, DC: National Academies of Sciences, Engineering, and Medicine; 2016.



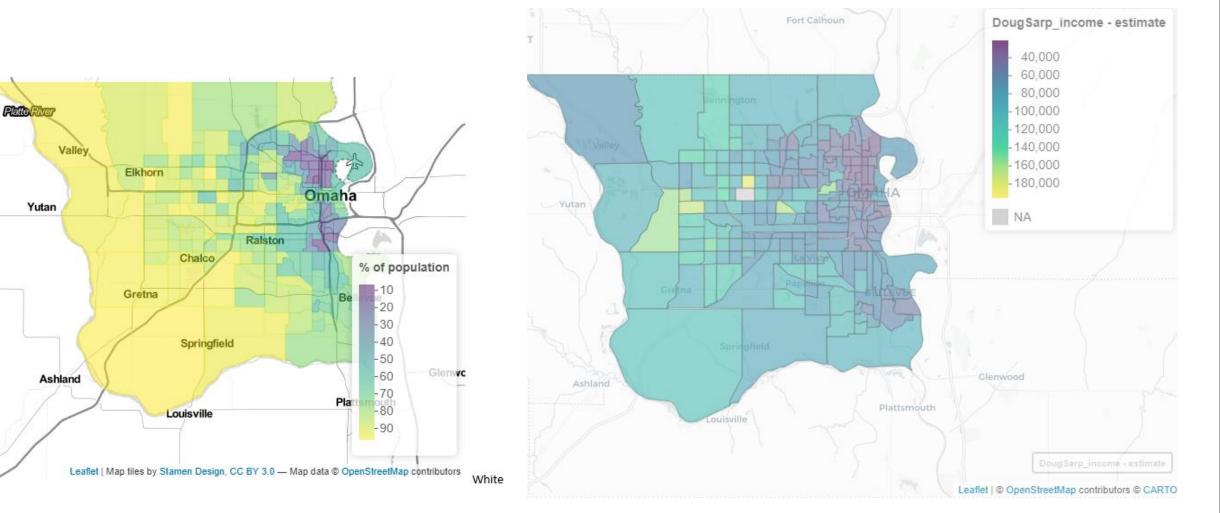
Local Determinants



| SDOH | Measurement | Region of Douglas County | | | |
|---------------------------|---|--------------------------|-------|-------|-------|
| Category | | NE | SE | NW | sw |
| Material Circumstances | Worry or Stress over Mortgage or Rent in Past Year | 27.8% | 24.8% | 17.4% | 19.6% |
| | Often or Sometimes Worry that Food Will Run Out | 21.2% | 15.8% | 8.4% | 9.7% |
| | Lack Health Insurance | 10.0% | 15.8% | 9.1% | 4.2% |
| | Cost Prevented Getting Prescriptions Last Year | 16.1% | 9.0% | 11.9% | 10.3% |
| | Skipped Prescription doses to save costs | 16.1% | 9.4% | 9.1% | 11.5% |
| | Transportation Limited Healthcare Visit | 9.0% | 8.6% | 2.0% | 1.1% |
| Education | Low Health Literacy | 20.0% | 21.5% | 8.9% | 9.8% |
| Health Systems | Difficulty Accessing Healthcare in Past Year | 40.4% | 33.0% | 35.3% | 30.4% |
| | Cost Prevented Physician Visit in Past Year | 15.5% | 11.1% | 10.3% | 8.6% |







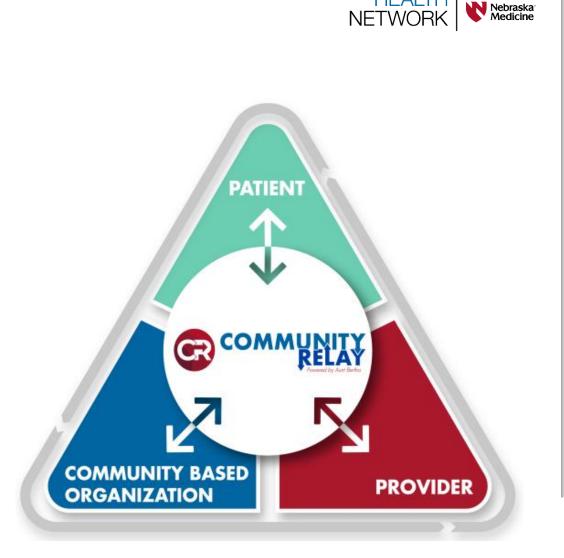


Application in an outpatient clinic



Our Goals for SDoH

- 1. Identify and address Social Determinants of Health that affect our local community to improve patient lives
- 2. Provide a *free comprehensive* resource to help Nebraskans connect with the services and support they need



NEBRASKA

HEALT

METHODIST

Social Determinants of Health





Food

Community Gardens, Food Pantries, Nutrition, Meal Planning, Financial Assistance and More



Housing

Temporary Housing, Residential Repairs, Housing Advice and Financial Assistance



Goods

Household Items, Toys, Clothing, Personal Safety, Medical Supplies



Health

Nutrition, Medical Care, Mental Health, Vision Care, End of Life, Health Education



Money

Financial Education, Assistance, Insurance, Loans, Tax Preparation, Insurance



Transit

Bus Passes, Financial Assistance for Gas or Public Transportation



Care

End of Life, Daytime Care, Physical Safety, Residential Care, Animal Welfare



Education

Preschool, Screenings and Exams, Financial Assistance, Skills and Training



Work

Job Placement, Workplace Rights, Skills and Training, Supported Employment



Legal

Mediation, Representation, Translation and Interpretation

Durham Outpatient Center Family Medicine

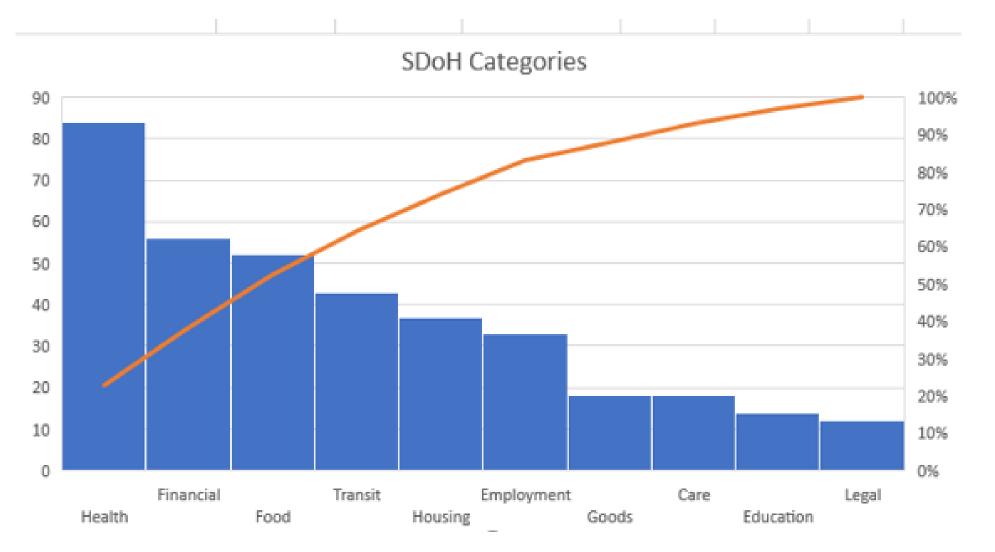
- Two providers participated in the 9month pilot
- Patients received a paper self-screen
 - 1. Identify current issues/concerns
 - 2. Confirm whether they want to discuss concerns with their provider
- All patients received educational materials regardless of whether they opted-in

SOCIAL ASSESSMENT FORM This form helps us identify any issues, concerns or challenges that may be impacting your health and wellbeing. You will have the option to discuss your responses with your health-care team. Regardless of whether or not you choose to discuss your responses with your provider, we encourage you to visit CommunityRelay.com. Community Relay is a free, confidential resource that enables you to search for free- or reduced-cost programs and services by zip code. COMMUNITY I prefer not to complete this form GET STARTED FIND FREE- OR REDUCED-COST COMMUNITYRELAY.COM Please mark any of the following areas that may be PROGRAMS IN YOUR LOCAL AREA impacting your health and wellbeing: Visit CommunityRelay.com and select the "Begin a Search" button. WELCOME TO COMMUNITY RELAY SEARCH °O. ÍпÍ can begin by entering your zip code and narrowing your rrch using the 10 broad support categories listed below. Or, if are not sure where to begin, you can complete the Filter My FOOD HOUSING GOODS MEDICAL FINANCIAL self-assessment, which enables Community Relay to make mendations based on your responses to demographic. Food pantries, nutrition, Household items, toys, MMUNIT Temporary housing Nutrition, medical care Financial education financial and other questions. clothing, medical meal planning repairs, financia vision care tax preparation, assistance insurance SUPPORT CATEGORIES **DID** GOODS HOUSING HEALTH MONEY TRANSIT CARE LEGAL EDUCATION EMPLOYMENT EDUCATION IEG41 CARE WORK Community Relay is a free, online directory to help End of life, daytime Preschool, screening Bus passes, financial Job placement Mediation you find services and support in your local community. FILTERS workplace rights, skills assistance for aas or care, residential care and exams, financia representation Starting with your zip code, you can search for local Personal Filters. Program Filters. public transportation and training interpretation assistance rograms and services for things like food, housing, job ou to select your age, Enable you to select a education, urgency program's hours of operatio ement, transportation, legal services and more. Please feel free to share any supporting information cost and how to contact the 2 Income Eligibility. Relevance or Location and/or share additional non-medical concerns: es you to select the Engbles you to list selected of people living in your programs by the relevance to nd how much your your filters or by the proximity makes per month to your locatio 100 DIFFERENT LANGUAGES **SAVE & SHARE** 155,000 ORGANIZATIONS Would you like to discuss your ose to create a free user profile, you can save you 3 rograms into personal or shared folders for future responses with a member of ou also have the option to share a resource with a regiver or family member via email or text your health-care team? COMMUNITY NO YES y f JT∆ * , • € & / ♥ ● ● None of the above apply to me today





NM DOC SDoH Identified



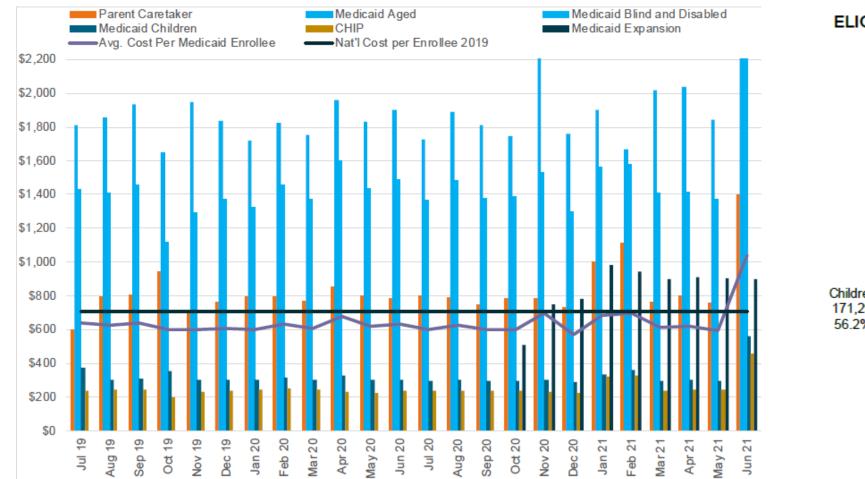


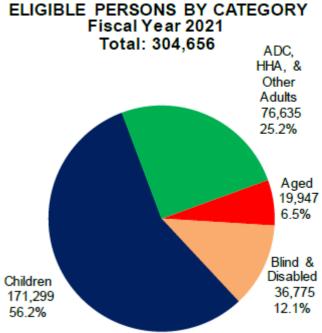
Medicaid Impact



Nebraska Medicaid Cost per Enrollee









Including SDoH as Contract Requirements

Figure 12

In FY 2021, Most MCO States Had at Least One MCO Contract Requirement Related to Social Determinants of Health.

In Place in FY 2021 Plan to Require in FY 2022

Any MCO Requirements Related to SDOH 33 States with any MCO requirements Specific MCO Requirements Related to SDOH Screen for BH needs 31 Provide enrollees with social services referrals 28 Partner with CBOs 27 3 Screen for social needs 24 Use uniform SDOH questions within screening 11 8 tools 10 Employ CHWs 6 Capture SDOH data using ICD-10 Z codes* Track the outcomes of social services referrals

6

Require community reinvestment

NOTE: Data are as of July 1, 2021. Response rates per policy varied. States planning to require any MCO requirement related to SDOH in FY 2022 include all states that indicated plans to require at least one specific MCO policy. BH = behavioral health. CBOs = community-based organizations. CHWs = community health workers. *ICD-10 Z codes are a subset of the ICD-10 diagnosis codes that reflect patient social characteristics. DE, MN, NM, and RI did not respond to the 2021 survey.

SOURCE: KFF survey of Medicaid officials in 50 states and DC conducted by HMA, October 2021. • PNG

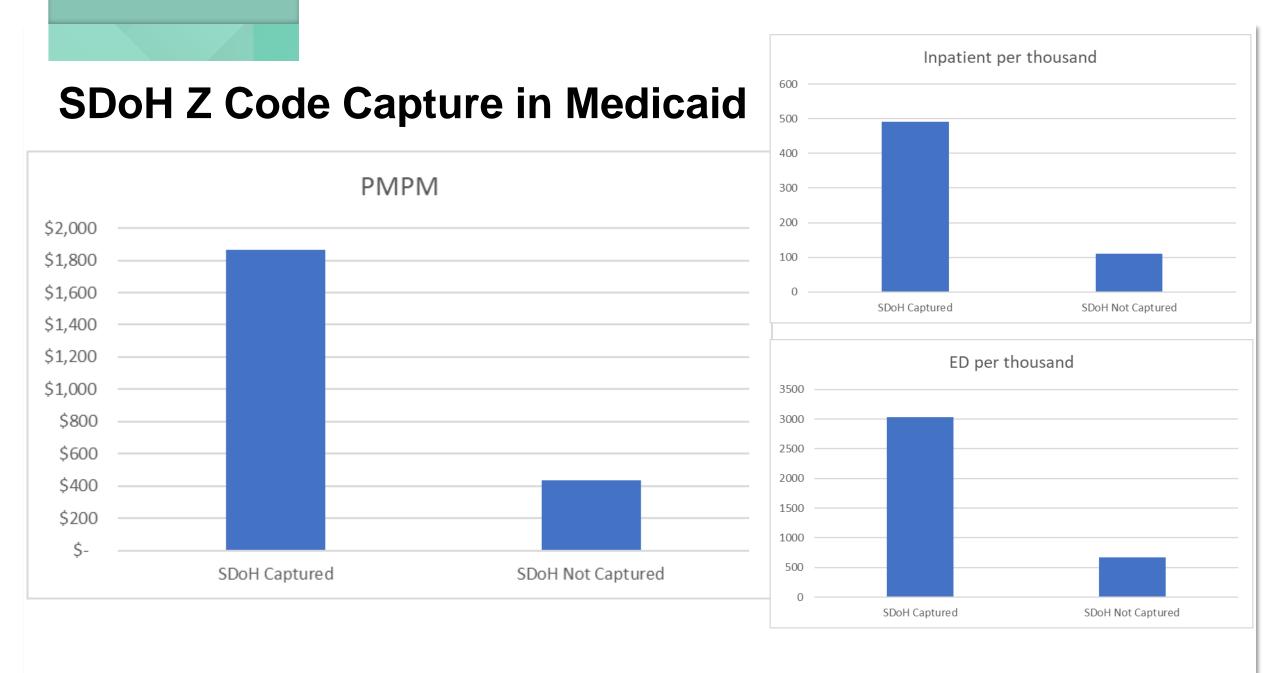


18



SDoH Z Code Examples

| Z code | examples |
|-----------|---|
| Z55.1 | Schooling unavailable and unattainable |
| Z55.8 | Other problems related to education and literacy |
| Z56.2 | Threat of job loss |
| Z56.5 | Uncongenial work environment (difficult conditions at work) |
| Z57.3, 39 | Occupational exposure to other air contaminants |
| Z57.8 | Occupational exposure to other risk factors |
| Z59.4 | Lack of adequate food |
| Z59.6 | Low income |
| Z59.8 | Other problems related to housing and economic circumstances |
| Z60.2 | Problems related to living alone |
| Z60.9 | Problems related to social environment, unspecified |
| Z63.7 | Other stressful life events affecting family and household |
| Z63.79 | Other stressful life events affecting family and household (anxiety (normal) about sick person in family, health problems within family, ill or disturbed family member, isolated family) |





CCS

Arizona Health Care Cost Containment System

Including SDoH Z-Codes in Risk Calculation

| | Table 4. Model Comparison | 1 of 1 real of 10 | | 00 |
|----------------------------|---------------------------|--------------------------------------|---|---|
| Calibration Risk Cohort | SDOH-Related Risk Marker | CDPS+Rx Nationwide Weights [1] | CDPS+Rx AZ Specific Weights [2] | CDPS+Rx AZ Specific Weights+SDOH [3] |
| Age 1-20 | Z59, Housing problems | 0.898 | 0.780 | 0.995 |
| | Z62, Parent problems | 0.669 | 0.602 | 0.994 |
| | Z63, Family problems | 0.745 | 0.667 | 0.996 |
| | Z65, Criminal problems | 0.629 | 0.550 | 0.993 |
| | SVI Zip Code | 0.982 | 0.934 | 1.000 |
| TANF | Z59, Housing problems | 0.714 | 0.847 | 0.997 |
| | Z62, Parent problems | 0.743 | 0.868 | 1.004 |
| | Z63, Family problems | 0.848 | 0.939 | 0.998 |
| | Z65, Criminal problems | 0.747 | 0.879 | 1.005 |
| | SVI Zip Code | 0.940 | 0.974 | 1.003 |
| SSI Without Medicare | Z59, Housing problems | 0.871 | 0.948 | 0.956 |
| | Z62, Parent problems | 0.628 | 0.722 | 0.938 |
| | Z63, Family problems | 0.898 | 0.969 | 0.923 |
| | Z65, Criminal problems | 0.831 | 0.907 | 0.964 |
| | SVI Zip Code | 0.994 | 1.057 | 1.006 |
| | | | | |

References



- Anthony Donovan, PharmD, Master of Public Health Candidate Epidemiology APEx Project, University of Nebraska Medical Center College of Public Health. [Unpublished], 2021. Available at: <u>https://youtu.be/InQhfWsgXoA</u>
- <u>https://www.wakely.com/sites/default/files/files/content/social-determinants-health-and-risk-adjustment.pdf</u> "Social Determinants of health (SDOH) And Risk Adjustment: Arizona Medicaid Innovations Impact of Incorporating Social Risk Factors in Capitation
- https://www.kff.org/medicaid/issue-brief/10-things-to-know-about-medicaid-managed-care/

Source: https://nebraskalegislature.gov/FloorDocs/107/PDF/Agencies/Health_and_Human_Servic es__Department_of/107_20211130-091110.pdf

 <u>https://aspe.hhs.gov/sites/default/files/private/pdf/253971/ASPESESRTCfull.pdf</u> Report to Congress: Social Risk Factors and Performance Under Medicare's Value-Based Purchasing Programs