



Trella
HEALTH

Measurement of Elder Maltreatment Screen and Follow-Up Plan

Measure Timeframe: 2021

Qualified Entity (QE) Program
Public Report
December 30, 2024

TRELLA HEALTH AS A QUALIFIED ENTITY

At Trella Health, we're passionate about empowering healthcare providers to deliver better care through data-driven insights. We serve post-acute care providers, health systems, and payers who want to improve patient outcomes, streamline operations, and fuel growth. Whether it's navigating complex healthcare landscapes or finding new growth opportunities, we provide the tools and insights that our partners need to succeed in an ever-evolving industry.

Trella Health was certified by the Centers for Medicaid and Medicare Services (CMS) to become a Qualified Entity (QE) in 2020, a designation that enhances the value we bring to our clients by providing them with deeper insights into patient outcomes, referral patterns, and market dynamics. Leveraging this comprehensive data in combination with Trella's supplementary claims data sources, we empower our clients supporting our mission to transform how organizations drive positive outcomes in healthcare.

SELECTED REPORT METRIC

Trella Health selected "Elder Maltreatment Screen and Follow-Up Plan" as part of the Qualified Entity Certification Program (QCEP) because elder maltreatment is a significant public health issue with serious implications for patient outcomes and the quality of healthcare. Elder maltreatment impacts both the physical and mental well-being of older adults and has widespread effects on healthcare utilization, including increased hospitalizations and behavioral health service usage. Early detection and support not only safeguard vulnerable individuals but also contribute to reducing healthcare costs associated with untreated maltreatment, ensuring a safer, healthier, and more sustainable system for elder care. This aligns with Trella Health's mission to enhance patient care by providing actionable data that drives proactive interventions.

METHODOLOGY

Trella used the Elder Maltreatment (EM) Screen and Follow-up Plan metric as defined by the Merit-based Incentive Payment System (MIPS) [1]. The patient cohort used in this analysis is defined as the count of distinct patient identifiers across all 2021 claims collected from our combined data sources: 2021 Medicare Part A and B claims and supplementary claims from additional data sources. These supplementary claims include commercial, Medicaid, Medicare Advantage (MA), and Veterans Health Administration (VA) claims. Patients under the age of 60 and telehealth claims were excluded from all counts and all rates (numerator and denominator) in this analysis. Duplication of patient counts was minimized by removing claims from supplementary data sources that were identified as Medicare claims as well as removing all claims that were associated with patients whose enrollment during 2021 was identified as Medicare in 50% or more of their enrollment period. Figure 7 includes the distinct patient count broken down by payer-channel as well as combined.

PERFORMANCE RATE DEFINITION

Description
Percentage of patients aged 60 years and older with a documented EM screen using an EM Screening tool on the date of encounter and a documented follow-up plan on the date of the positive screen. [1]
Numerator
Performance Met: Patients aged 60 or older on the date of encounter, with encounters indicating an EM screen with or without a follow-up plan during the performance period, excluding telehealth encounters.
Denominator
Patients aged 60 or older on the date of encounter, with encounters during the performance period, excluding telehealth and excluding encounters not eligible for an EM screen (for example emergency care)
Exclusions
Telehealth was excluded from all counts and rates. Reduced duplicate claims as described.

DEFINITION OF COUNTS

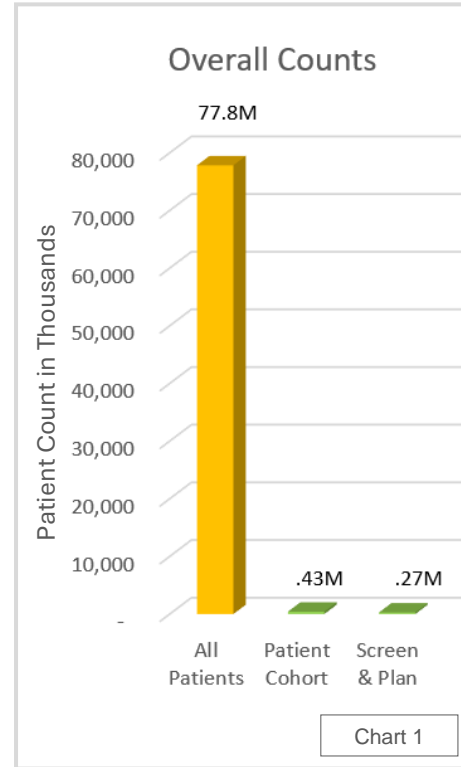
- **Total Patients:** Unique count of patients over the age 60 who had one or more encounters during the reporting period. Represents all patients and claims available for this analysis.
- **Patient Cohort (denominator):** Unique count of patients who meet the criteria for inclusion in the Performance Rate cohort. (see Denominator definition above)
- **Screen & Plan (numerator):** Patient count for which performance was met during encounter. (see Numerator definition above)

EXECUTIVE SUMMARY

This report is intended to address the issue of elder maltreatment by providing analytics that identify the national performance rate of screenings and plans as well as highlighting performance by State and by Specialty. Through the use of the 2021 Medicare Part A and B dataset combined with Trella’s supplementary claims data sources, the final analysis provides results that measure the rate at which Elder Maltreatment Screening performance is met for the majority of covered lives across the nation. Chart 1 to the right illustrates the EM Patient Cohort and Performance Met counts in contrast to the total population of patients available in the combined dataset.

This analysis did find pockets of higher performance of screenings and planning: specific states such as Connecticut, Maryland, and Michigan and specific specialties such as Skilled Nursing Facilities. These stand out because not only are their Performance Rates high, but the higher Patient Cohort (denominator) indicates that providers in those regions are performing EM Screenings. Alaska and South Dakota on the other hand have high Performance Rates, but their low Patient Cohort (denominator) indicates that few patients are receiving EM screenings.

Although there has been attention given by providers to perform Elder Maltreatment Screenings and to issue follow-up plans when indicated, this analysis reveals for most providers across the nation the Performance Rate and coverage of patients remains low.



SCREEN & PLAN PATIENT COUNTS OVERALL

Chart 1 & Figure 1 provide the 2021 distinct patient counts for the metric numerator and the denominator at a national level. This includes the combined 2021 Medicare Part A and B claims and Trella’s supplementary claims data sources.

	Counts/Rates
All Patients	77,836,875
Patient Cohort	428,253
Screen & Plan	271,795
Performance Rate	63.5%

Figure 1

HIGH PERFORMANCE

Below are the combined metrics of 100 high performing providers with a qualifying cohort of 200+ patients. The providers range across 22 states. These metrics illustrate top-level performance.

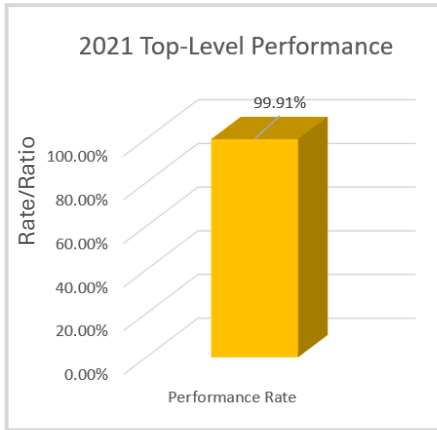


Chart 2

2021 Top Level Performance

	Counts/Rates
Total Patients	57,533
Patient Cohort	39,668
Screen & Plan	39,634
Performance Rate	99.91%

Figure 2

SCREEN & PLAN SUMMARY AND TREND BY QUARTER

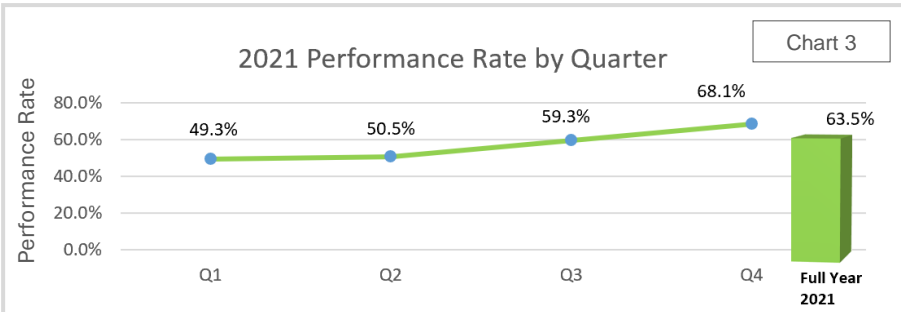


Chart 3

KEY TAKEAWAYS



2021 shows an increase in Performance Rate quarter over quarter.

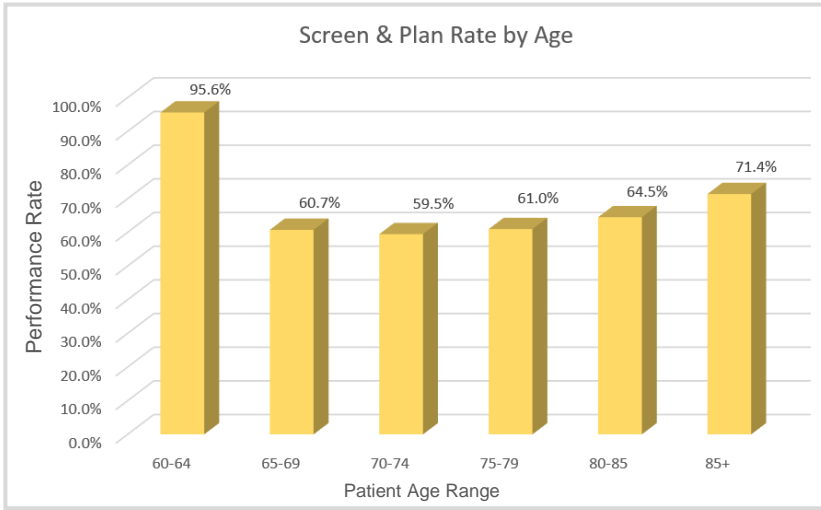
SCREEN & PLAN PATIENT COUNTS BY QUARTER

Chart 3 & Figure 3 shows a slight increase quarter over quarter through 2021 in the Elder Maltreatment Performance Rate nation wide. This slight increase is tempered by the decline in the implementation of Elderly Maltreatment screenings & follow-up plans for elderly patients quarter over quarter as evidenced by the decline in Patient Cohort shown in Figure 3.

2021 Quarter	Patient Counts			Rate
	All Patients	Patient Cohort	Screen & Plan	Performance Metric
Q1	54,685,481	165,399	81,619	49.3%
Q2	54,873,219	167,711	84,735	50.5%
Q3	55,441,223	147,334	87,324	59.3%
Q4	58,622,696	130,924	89,213	68.1%

Figure 3

ELDER MALTREATMENT SCREEN AND FOLLOW-UP PLAN SUMMARY BY AGE



KEY TAKEAWAYS

- Patients 60-64 have a high Performance Rate from their providers, however Elder Maltreatment Screenings are not prevalent for this age bracket as evidenced by the low patient cohort.
- Patients 85+ have both a high Performance Rate from their providers coupled with a sizeable patient cohort.

Chart 4

Figure 4 below provides the data supporting counts by patient age brackets. In figure 4 below the Performance Rate for patients age 60-64 is higher than any other age bracket, however the Patient Cohort (denominator) is significantly lower than the other age brackets. The Performance Rate for patients in range 70+ shows a consistent increase with each higher age bracket.

Patient Age	Patient Counts			Rate
	All Patients	Patient Cohort	Screen & Plan	Performance Metric
60-64	18,453,675	6,452	6,168	95.6%
65-69	19,024,237	87,063	52,886	60.7%
70-74	15,375,651	104,380	62,069	59.5%
75-79	10,844,878	88,977	54,239	61.0%
80-85	6,997,764	65,037	41,938	64.5%
85+	7,141,047	76,344	54,495	71.4%

Figure 4

A QUICK LOOK AT 2023

For this analysis, Trella limited our cohort to year 2021 due to our purchase of 2021 data through the QE program. Using Trella's 2023 supplementary claims data sources we took a brief look at the changes in national rates. Chart 5 & Figure 5 shows an increase in the Performance Rate of screenings from 60.4% to 79.6%, however the Patient Cohort (denominator) drops from 120k to 98k.

Year	Patient Counts			Rate
	All Patients	Patient Cohort	Screen & Plan	Performance Rate
2021	48,655,126	120,469	72,776	60.4%
2023	50,379,601	98,039	78,031	79.6%

Figure 5

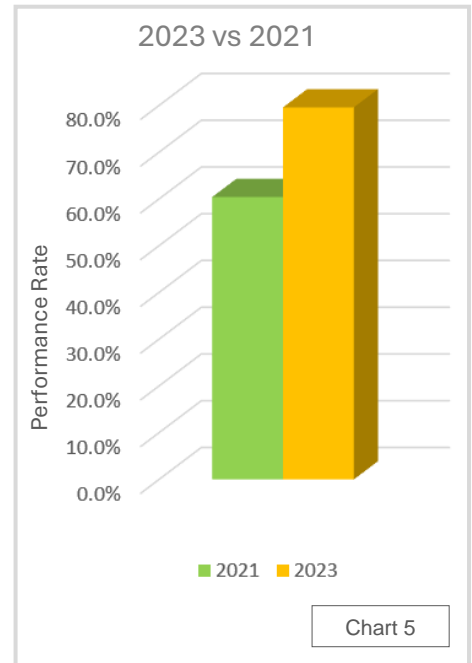


Chart 5

SUMMARY BY STATE

Chart 6 illustrates the Performance Rate of EM Screenings & Plans across individual states.



Figure 6 below provides the supporting data for the Elder Maltreatment Screen and Follow-up Plan metric stratified by state. It is notable that the top states by Performance Rate are AK, AR, DE, ID, MS, NH, RI, and SD. However, 5 of the 8 top performing states also have a low Patient Cohort.

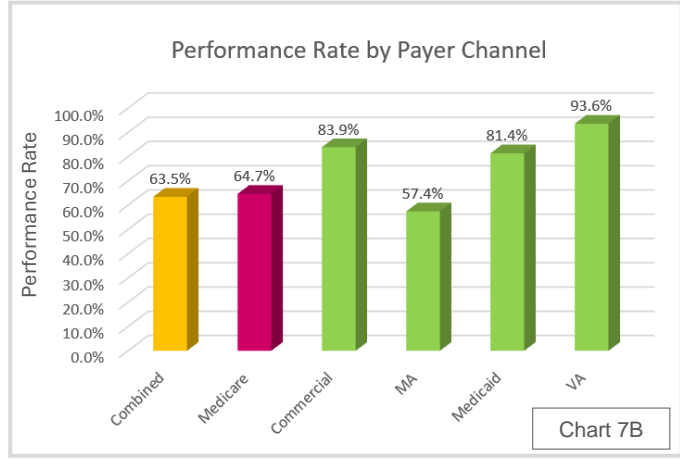
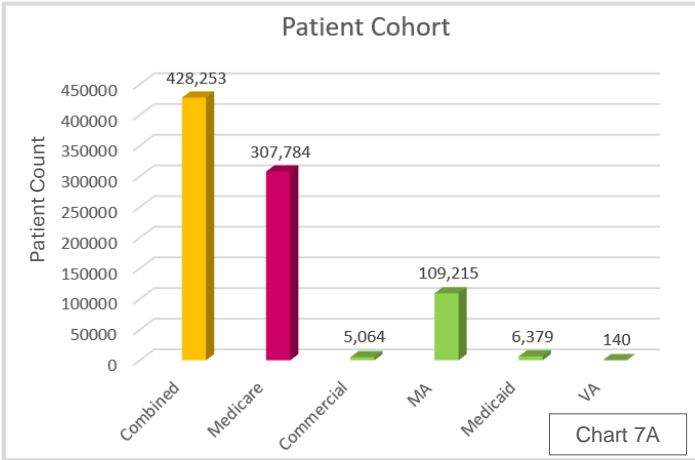
State	All Patients	Patient Cohort	Screen & Plan	Performance Rate
AK	242,284	< 11	< 11	100.0%
AL	2,474,041	4,293	3,323	77.4%
AR	1,197,164	4,136	4,090	98.9%
AZ	3,336,105	14,763	12,310	83.4%
CA	11,115,750	22,154	20,800	93.9%
CO	2,403,556	3,567	3,427	96.1%
CT	2,280,710	15,001	13,954	93.0%
DC	950,448	336	209	62.2%
DE	594,766	3,605	3,600	99.9%
FL	9,754,130	50,650	44,678	88.2%
GA	4,214,687	13,218	12,063	91.3%
HI	694,448	518	496	95.8%
IA	1,381,378	250	113	45.2%
ID	1,684,673	679	674	99.3%
IL	6,038,528	10,899	10,233	93.9%
IN	2,872,594	3,049	2,682	88.0%
KS	1,682,658	1,312	713	54.3%
KY	2,120,010	1,428	902	63.2%
LA	1,874,810	3,240	2,033	62.7%
MA	4,043,320	3,884	3,705	95.4%
MD	3,360,161	13,142	12,335	93.9%
ME	752,566	179	150	83.8%
MI	5,063,267	15,904	15,182	95.5%
MN	2,604,533	401	119	29.7%
MO	3,088,419	1,397	920	65.9%
MS	1,153,022	274	274	100.0%

State	All Patients	Patient Cohort	Screen & Plan	Performance Rate
MT	456,038	< 11	< 11	57.1%
NC	5,665,807	5,233	3,355	64.1%
ND	392,922	266	169	63.5%
NE	842,473	1,373	1,164	84.8%
NH	881,602	269	267	99.3%
NJ	5,418,325	11,513	9,701	84.3%
NM	972,107	874	770	88.1%
NV	1,299,786	1,489	1,454	97.6%
NY	9,427,002	52,192	25,761	49.4%
OH	9,956,214	3,862	3,560	92.2%
OK	1,444,599	201	117	58.2%
OR	1,702,128	995	925	93.0%
PA	6,968,782	15,993	13,507	84.5%
RI	724,326	2,099	2,070	98.6%
SC	2,465,342	46,125	3,991	8.7%
SD	392,801	< 11	< 11	100.0%
TN	3,923,210	2,304	2,243	97.4%
TX	9,163,243	25,516	24,044	94.2%
UT	1,076,782	325	225	69.2%
VA	3,755,095	72,709	7,052	9.7%
VT	371,698	21	18	85.7%
WA	3,170,976	2,727	1,730	63.4%
WI	3,041,178	2,027	1,953	96.3%
WV	1,068,436	479	343	71.6%
WY	226,264	63	51	81.0%

Figure 6

COHORT AND PAYER CHANNELS

Chart 7A contains distinct patient counts by payer channel and includes the combined totals across all data sources at the national level. Chart 7B shows the Performance Rate overall (combined) as well as the varied payer channels. Figure 7 provides the supporting data for Charts 7A & 7B.



Payer Channel	Other Sources					
	Combined	Medicare	Commercial	MA	Medicaid	VA
All Patients	77,836,875	29,181,749	17,495,219	24,416,449	5,279,984	848,927
Patient Cohort (Denominator)	428,253	307,784	5,064	109,215	6,379	140
Screen & Plan (Numerator)	271,795	199,019	4,249	62,739	5,193	131
Performance Rate	63.5%	64.7%	83.9%	57.4%	81.4%	93.6%

Figure 7

SCREEN & PLAN SUMMARY BY SPECIALTY

The 2024 MIPS Quality Measures List [1] indicates a set of specialties that are relevant to the Elder Maltreatment Screening. In addition, Trella has included a set of additional specialties as documented in Appendix A.

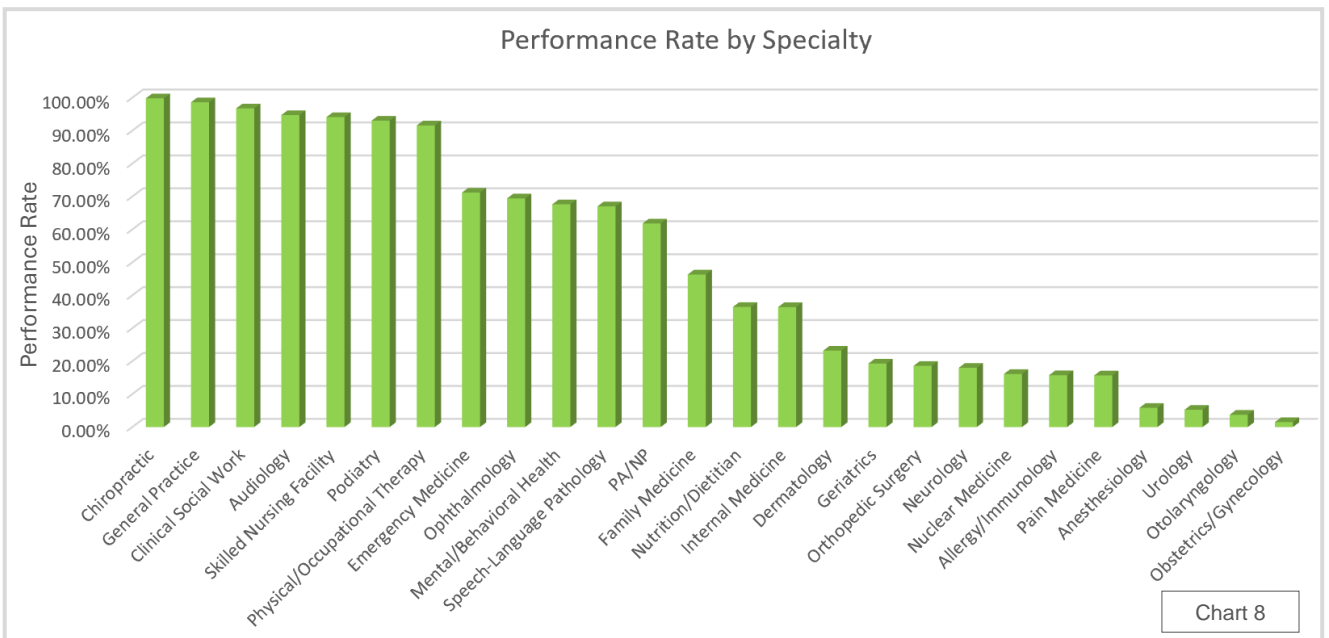


Chart 8

SUPPORTING DATA: PERFORMANCE RATES BY SPECIALTY

Figure 8 below provides the supporting data for the Elder Maltreatment Screen and Follow-up Plan metric stratified by specialty. This list of specialties includes all specialties indicated in the 2024 MIPS Quality Measures List [1] as well as a select list of specialty added by Trella based on Screen & Plan volume as well as relevance to the underlying rationale for the metric. See details in Appendix B regarding the taxonomies that comprise these specialty groupings.

Specialty	All Patients	Patient Cohort	Screen & Plan	Performance Rate
Allergy/Immunology	7,178,211	2,457	387	15.8%
Anesthesiology	26,573,142	17,529	1,021	5.8%
Audiology	3,982,284	3,625	3,434	94.7%
Chiropractic	5,241,130	3,341	3,335	99.8%
Clinical Social Work	4,173,082	17,797	17,220	96.8%
Dermatology	24,352,752	23,566	5,471	23.2%
Emergency Medicine	29,953,631	5,269	3,751	71.2%
Family Medicine	59,004,854	233,955	108,398	46.3%
General Practice	11,956,793	10,101	9,962	98.6%
Geriatrics	7,510,693	46,966	9,057	19.3%
Internal Medicine	65,420,657	290,097	105,693	36.4%
Mental/Behavioral Health	11,227,517	63,031	42,632	67.6%
Neurology	23,237,837	53,630	9,650	18.0%
Nuclear Medicine	8,381,652	4,908	791	16.1%
Nutrition/Dietitian	2,816,813	1,609	587	36.5%
Obstetrics/Gynecology	26,788,795	84,450	1,271	1.5%
Ophthalmology	27,627,364	5,252	3,647	69.4%
Orthopedic Surgery	26,330,876	43,166	8,023	18.6%
Otolaryngology	15,084,872	5,647	211	3.7%
PA/NP	52,090,491	156,134	96,520	61.8%
Pain Medicine	8,024,386	20,479	3,213	15.7%
Physical/Occupational Therapy	12,158,268	96,865	88,720	91.6%
Podiatry	16,390,693	9,923	9,234	93.1%
Skilled Nursing Facility	3,910,871	78,546	73,930	94.1%
Speech-Language Pathology	1,566,618	2,204	1,477	67.0%
Urology	15,646,796	13,093	688	5.3%

Figure 8

REFERENCES

- [1] 2024 MIPS Quality Measures List. (2024, September). Retrieved from <https://qpp.cms.gov>; Metric Elder Maltreatment Screen and Follow-up Plan.
- [2] American Medical Association. (2024, September). Quality ID #181: Elder maltreatment screen and follow-up plan. Retrieved from <https://qpp.cms.gov>
- [3] Ron Acierno PhD, Melba A. Hernandez MS, Ananda B. Amstadter PhD, Heidi S. Resnick PhD, Kenneth Steve MS, Wendy Muzzy BS, and Dean G. Kilpatrick PhD. Prevalence and Correlates of Emotional, Physical, Sexual, and Financial Abuse and Potential Neglect in the United States: The National Elder Mistreatment Study. American Journal of Public Health 2010; 100: 292–297.

APPENDIX A: SPECIALTY GROUPINGS & TAXONOMIES QCEP SPECIFIC

Below are the specialties indicated in the 2024 MIPS Quality Measures List and the taxonomies used to generate these specialty groupings for the purposes of this analysis.

- **Audiology:** 231H00000X, 231HA2400X, 231HA2500X
- **Clinical Social Work:** 1041C0700X
- **Family Medicine:** 207Q00000X, 207QA0000X, 207QA0401X, 207QA0505X, 207QB0002X, 207QS0010X, 207QS1201X, 363LF0000X, 364SF0001X, 364SP0810X
- **Geriatrics:** 207QG0300X, 207RG0300X, 2084P0805X, 2251G0304X
- **Internal Medicine:** 207R00000X, 207RA0000X, 207RA0001X, 207RA0002X, 207RA0201X, 207RA0401X, 207RB0002X, 207RC0000X, 207RC0001X, 207RC0200X, 207RE0101X, 207RG0100X, 207RH0000X, 207RH0002X, 207RH0003X, 207RH0005X, 207RI0001X, 207RI0008X, 207RI0011X, 207RI0200X, 207RM1200X, 207RN0300X, 207RP1001X, 207RR0500X, 207RS0010X, 207RS0012X, 207RT0003X, 207RX0202X
- **Mental/Behavioral Health:** 101Y00000X, 101YA0400X, 101YM0800X, 101YP2500X, 102L00000X, 103K00000X, 103T00000X, 103TA0400X, 103TB0200X, 103TC0700X, 103TC1900X, 103TC2200X, 103TF0000X, 103TF0200X, 103TH0004X, 103TH0100X, 103TM1800X, 103TP0016X, 103TP0814X, 103TP2701X, 103TR0400X, 103TS0200X, 104100000X, 106E00000X, 106H00000X, 106S00000X, 163WP0807X, 163WP0808X, 163WP0809X, 2080P0006X, 251C00000X, 251S00000X, 261QM0801X, 261QM0850X, 261QM0855X, 310500000X, 320600000X, 320800000X, 320900000X, 363LP0808X, 364SP0807X, 364SP0808X, 364SP0809X, 364SP0811X, 364SP0812X, 364SP0813X
- **Neurology:** 103G00000X, 163WN0800X, 204C00000X, 204D00000X, 207T00000X, 207ZN0500X, 2081N0008X, 2084A0401X, 2084A2900X, 2084B0002X, 2084B0040X, 2084D0003X, 2084E0001X, 2084H0002X, 2084N0008X, 2084N0400X, 2084N0600X, 2084P0005X, 2084P0015X, 2084P0301X, 2084S0010X, 2084V0102X, 364SN0800X
- **Nutrition/Dietitian:** 133N00000X, 133NN1002X, 133V00000X, 133VN1004X, 133VN1005X, 133VN1006X, 133VN1101X, 133VN1201X, 133VN1301X, 133VN1401X, 133VN1501X, 136A00000X, 163WN1003X
- **Physical/Occupational Therapy:** 163WX0106X, 224Z00000X, 224ZE0001X, 224ZF0002X, 224ZL0004X, 224ZR0403X, 225100000X, 2251C2600X, 2251E1200X, 2251E1300X, 2251H1200X, 2251H1300X, 2251N0400X, 2251P0200X, 2251S0007X, 2251X0800X, 225200000X, 225X00000X, 225XE0001X, 225XE1200X, 225XF0002X, 225XG0600X, 225XH1200X, 225XH1300X, 225XL0004X, 225XM0800X, 225XN1300X, 225XP0019X, 225XP0200X, 225XR0403X, 363LX0106X, 364SX0106X
- **Skilled Nursing Facility:** 251J00000X, 313M00000X, 314000000X, 3140N1450X, 315P00000X
- **Speech-Language Pathology:** 2355S0801X, 235Z00000X

TRELLA SELECT SPECIALTIES

Below are additional specialties Trella found to be relevant to this analysis.

- **Allergy/Immunology:** 207K00000X, 207KA0200X, 207KI0005X
- **Anesthesiology:** 1223D0004X, 207L00000X, 207LA0401X, 207LC0200X, 207LH0002X, 207LP2900X, 207LP3000X, 367500000X, 367H00000XChiropractic: 111N00000X, 111NI0013X, 111NI0900X, 111NN0400X, 111NN1001X, 111NP0017X, 111NR0200X, 111NR0400X, 111NS0005X, 111NT0100X, 111NX0100X, 111NX0800X
- **Dermatology:** 207N00000X, 207ND0101X, 207ND0900X, 207NI0002X, 207NP0225X, 207NS0135X, 207ZD0900X
- **Emergency Medicine:** 207P00000X, 207PE0004X, 207PE0005X, 207PH0002X, 207PP0204X, 207PS0010X, 207PT0002X
- **General Practice:** 163WG0000X, 208D00000X
- **Nuclear Medicine:** 207U00000X, 207UN0901X, 207UN0902X, 207UN0903X
- **Obstetrics/Gynecology:** 163WX0002X, 163WX0003X, 207V00000X, 207VB0002X, 207VC0200X, 207VC0300X, 207VE0102X, 207VF0040X, 207VG0400X, 207VH0002X, 207VM0101X, 207VX0000X, 207VX0201X, 363LX0001X
- **Ophthalmology:** 156FX1100X, 163WX1100X, 207W00000X, 207WX0009X, 207WX0107X, 207WX0108X, 207WX0109X, 207WX0110X, 207WX0120X, 207WX0200X, 261QS0132X
- **Orthopedic Surgery:** 163WX0800X, 207X00000X, 207XP3100X, 207XS0106X, 207XS0114X, 207XS0117X, 207XX0004X, 207XX0005X, 207XX0801X, 246ZX2200X
- **Otolaryngology:** 207Y00000X, 207YP0228X, 207YS0012X, 207YS0123X, 207YX0007X, 207YX0602X, 207YX0901X, 207YX0905X
- **PAN/P:** 363A00000X, 363AM0700X, 363AS0400X, 363L00000X, 363LA2100X, 363LA2200X, 363LC0200X, 363LC1500X, 363LF0000X, 363LG0600X, 363LN0000X, 363LN0005X, 363LP0200X, 363LP0222X, 363LP0808X, 363LP1700X, 363LP2300X, 363LS0200X, 363LW0102X, 363LX0001X, 363LX0106X, 364S00000X, 364SA2100X, 364SA2200X, 364SC0200X, 364SC1501X, 364SC2300X, 364SE0003X, 364SF0001X, 364SG0600X, 364SH0200X, 364SL0600X, 364SM0705X, 364SN0000X, 364SN0800X, 364SP0200X, 364SP0807X, 364SP0808X, 364SP0809X, 364SP0810X, 364SP0811X, 364SP0812X, 364SP0813X, 364SP1700X, 364SR0400X, 364SS0200X, 364ST0500X, 364SW0102X, 364SX0106X, 364SX0200X, 364SX0204X, 367500000X, 367A00000X, 367H00000X
- **Pain Medicine:** 163WP0000X, 2081P2900X, 2084P2900X, 208VP0000X, 208VP0014X, 261QP3300X
- **Podiatry:** 211D00000X, 213E00000X, 213EP0504X, 213EP1101X, 213ER0200X, 213ES0000X, 213ES0103X, 213ES0131X, 261QP1100X
- **Urology:** 163WU0100X, 208800000X, 2088F0040X, 2088P0231X