

WEBVTT

NOTE duration: "00:06:40.384"

NOTE Confidence: 0.9373372

00:00:01.199 --> 00:00:04.019 Voices, enhancing elder mistreatment detection

NOTE Confidence: 0.9373372

00:00:04.080 --> 00:00:05.359 for older adults with a

NOTE Confidence: 0.9373372

00:00:05.359 --> 00:00:07.940 digital intervention by Fuad Abujarid,

NOTE Confidence: 0.89764404

00:00:08.480 --> 00:00:10.179 department of emergency medicine,

NOTE Confidence: 0.98150635

00:00:10.719 --> 00:00:12.559 June twenty twenty five, presented

NOTE Confidence: 0.98150635

00:00:12.559 --> 00:00:13.780 by Chelsea Edwards.

NOTE Confidence: 0.9898926

00:00:19.064 --> 00:00:20.825 This study was supported by

NOTE Confidence: 0.9898926

00:00:20.825 --> 00:00:22.605 the National Institute on Aging.

NOTE Confidence: 0.99768066

00:00:24.985 --> 00:00:26.125 And for some background,

NOTE Confidence: 0.99991864

00:00:27.000 --> 00:00:28.380 what is elder mistreatment?

NOTE Confidence: 0.99890137

00:00:28.840 --> 00:00:30.680 Generally, elder mistreatment is defined

NOTE Confidence: 0.99890137

00:00:30.680 --> 00:00:32.540 as a direct action, inaction,

NOTE Confidence: 0.99890137

00:00:32.600 --> 00:00:34.200 or negligence toward an older

NOTE Confidence: 0.99890137

00:00:34.200 --> 00:00:35.260 adult that harms

NOTE Confidence: 0.99248976

00:00:35.720 --> 00:00:37.080 them or places them at
NOTE Confidence: 0.99248976

00:00:37.080 --> 00:00:38.280 risk of harm either by
NOTE Confidence: 0.99248976

00:00:38.280 --> 00:00:39.479 a person in a position
NOTE Confidence: 0.99248976

00:00:39.479 --> 00:00:41.364 of presumed trust or an
NOTE Confidence: 0.99248976

00:00:41.364 --> 00:00:41.864 outside
NOTE Confidence: 0.99934894

00:00:42.405 --> 00:00:44.324 individual targeting the victim based
NOTE Confidence: 0.99934894

00:00:44.324 --> 00:00:45.625 on age or disability.
NOTE Confidence: 0.99975586

00:00:46.324 --> 00:00:48.484 This includes physical abuse, emotional
NOTE Confidence: 0.99975586

00:00:48.484 --> 00:00:50.905 abuse, sexual abuse, financial exploitation,
NOTE Confidence: 0.9968262

00:00:51.284 --> 00:00:52.664 neglect, and abandonment.
NOTE Confidence: 0.99449325

00:00:54.690 --> 00:00:56.210 For some statistics on elder
NOTE Confidence: 0.99449325

00:00:56.210 --> 00:00:57.810 mistreatment, about one in ten
NOTE Confidence: 0.99449325

00:00:57.810 --> 00:01:00.130 Americans are estimated to suffer
NOTE Confidence: 0.99449325

00:01:00.130 --> 00:01:01.190 from elder mistreatment,
NOTE Confidence: 0.9806824

00:01:01.810 --> 00:01:03.090 and those with dementia are
NOTE Confidence: 0.9806824

00:01:03.090 --> 00:01:04.610 at even higher risk. About

NOTE Confidence: 0.9806824

00:01:04.610 --> 00:01:05.970 two thirds suffer from elder

NOTE Confidence: 0.9806824

00:01:05.970 --> 00:01:06.470 mistreatment.

NOTE Confidence: 0.9906288

00:01:07.205 --> 00:01:08.725 Ninety percent of perpetrators are

NOTE Confidence: 0.9906288

00:01:08.725 --> 00:01:10.245 family members or someone close

NOTE Confidence: 0.9906288

00:01:10.245 --> 00:01:11.925 to them, and it's estimated

NOTE Confidence: 0.9906288

00:01:11.925 --> 00:01:12.965 that one in twenty four

NOTE Confidence: 0.9906288

00:01:12.965 --> 00:01:14.405 cases of elder abuse are

NOTE Confidence: 0.9906288

00:01:14.405 --> 00:01:14.905 reported.

NOTE Confidence: 0.97788084

00:01:15.365 --> 00:01:17.205 They're associated with three hundred

NOTE Confidence: 0.97788084

00:01:17.205 --> 00:01:19.125 percent higher mortality risk and

NOTE Confidence: 0.97788084

00:01:19.125 --> 00:01:20.800 increased rates of health system

NOTE Confidence: 0.98768556

00:01:21.180 --> 00:01:22.220 use. And in the first

NOTE Confidence: 0.98768556

00:01:22.220 --> 00:01:23.900 time in US history, older

NOTE Confidence: 0.98768556

00:01:23.900 --> 00:01:25.500 adults are projected to outnumber

NOTE Confidence: 0.98768556

00:01:25.500 --> 00:01:27.520 children by twenty thirty four,

NOTE Confidence: 0.98768556

00:01:27.740 --> 00:01:29.680 compounding this issue even further.
NOTE Confidence: 0.98836887

00:01:31.995 --> 00:01:33.515 Our current challenges with elder
NOTE Confidence: 0.98836887

00:01:33.515 --> 00:01:35.115 mistreatment, despite being a major
NOTE Confidence: 0.98836887

00:01:35.115 --> 00:01:36.175 public health problem,
NOTE Confidence: 0.9967913

00:01:36.475 --> 00:01:37.915 elder adults are not likely
NOTE Confidence: 0.9967913

00:01:37.915 --> 00:01:39.115 to self report due to
NOTE Confidence: 0.9967913

00:01:39.115 --> 00:01:40.095 a number of challenges.
NOTE Confidence: 0.98459697

00:01:40.795 --> 00:01:42.735 Older adults with cognitive impairments
NOTE Confidence: 0.98459697

00:01:42.795 --> 00:01:44.075 have increased risk of elder
NOTE Confidence: 0.98459697

00:01:44.075 --> 00:01:44.575 mistreatment,
NOTE Confidence: 0.998698

00:01:45.119 --> 00:01:47.280 and identification of mistreatment remains
NOTE Confidence: 0.998698

00:01:47.280 --> 00:01:48.719 low. For each case of
NOTE Confidence: 0.998698

00:01:48.719 --> 00:01:50.560 mistreatment, an estimated twenty three
NOTE Confidence: 0.998698

00:01:50.560 --> 00:01:51.939 cases are left undetected.
NOTE Confidence: 0.9992676

00:01:52.799 --> 00:01:54.500 Providers often face barriers
NOTE Confidence: 0.99408317

00:01:54.880 --> 00:01:56.960 to identifying elder mistreatment during

NOTE Confidence: 0.99408317

00:01:56.960 --> 00:01:59.280 emergency department visits, including time

NOTE Confidence: 0.99408317

00:01:59.280 --> 00:02:00.765 constraints and lack of education

NOTE Confidence: 0.99408317

00:02:00.765 --> 00:02:01.505 or training.

NOTE Confidence: 0.995095

00:02:02.284 --> 00:02:04.205 Current screening methods are primarily

NOTE Confidence: 0.995095

00:02:04.205 --> 00:02:06.205 provider focused. However, screening can

NOTE Confidence: 0.995095

00:02:06.205 --> 00:02:08.365 facilitate education on elder abuse,

NOTE Confidence: 0.995095

00:02:08.365 --> 00:02:10.125 access to social services, and

NOTE Confidence: 0.995095

00:02:10.125 --> 00:02:11.185 protective measures.

NOTE Confidence: 0.9705765

00:02:13.220 --> 00:02:14.740 By addressing these gaps, we

NOTE Confidence: 0.9705765

00:02:14.740 --> 00:02:16.819 adopted an evidence informed digital

NOTE Confidence: 0.9705765

00:02:16.819 --> 00:02:18.340 intervention for self reporting in

NOTE Confidence: 0.9705765

00:02:18.340 --> 00:02:20.260 the ED and other clinical

NOTE Confidence: 0.9705765

00:02:20.260 --> 00:02:21.459 settings such as the primary

NOTE Confidence: 0.9705765

00:02:21.459 --> 00:02:22.200 care clinic.

NOTE Confidence: 0.9991948

00:02:22.580 --> 00:02:23.700 Our goal is to motivate

NOTE Confidence: 0.9991948

00:02:23.700 --> 00:02:25.300 older adults with or without
NOTE Confidence: 0.9991948

00:02:25.300 --> 00:02:27.060 cognitive impairments to self report
NOTE Confidence: 0.9991948

00:02:27.060 --> 00:02:28.645 their experiences with mistreatment.
NOTE Confidence: 0.9956942

00:02:32.065 --> 00:02:34.065 Our tablet based intervention was
NOTE Confidence: 0.9956942

00:02:34.065 --> 00:02:35.745 developed to increase self reporting
NOTE Confidence: 0.9956942

00:02:35.745 --> 00:02:37.505 of elder mistreatment for older
NOTE Confidence: 0.9956942

00:02:37.505 --> 00:02:39.105 adults regardless of their experience
NOTE Confidence: 0.9956942

00:02:39.105 --> 00:02:40.020 with technology.
NOTE Confidence: 0.99490356

00:02:40.639 --> 00:02:42.400 Voices uses a unique digital
NOTE Confidence: 0.99490356

00:02:42.400 --> 00:02:44.480 coach to encourage mistreatment reporting
NOTE Confidence: 0.99490356

00:02:44.480 --> 00:02:46.020 with features such as educational
NOTE Confidence: 0.99490356

00:02:46.240 --> 00:02:46.740 content,
NOTE Confidence: 0.99279785

00:02:47.120 --> 00:02:49.520 screening, multimedia elements, and brief
NOTE Confidence: 0.99279785

00:02:49.520 --> 00:02:50.020 psychoeducational
NOTE Confidence: 1

00:02:50.720 --> 00:02:51.220 interviewing.
NOTE Confidence: 0.9512207

00:02:52.855 --> 00:02:54.455 Voices is a onetime eight

NOTE Confidence: 0.9512207
00:02:54.455 --> 00:02:56.555 minute educational and screening intervention,
NOTE Confidence: 0.99970704
00:02:57.095 --> 00:02:58.375 and it is self administered
NOTE Confidence: 0.99970704
00:02:58.375 --> 00:02:59.915 by the older adult independently
NOTE Confidence: 1
00:03:00.215 --> 00:03:00.875 and privately.
NOTE Confidence: 0.99853516
00:03:01.415 --> 00:03:02.455 In addition to this, we
NOTE Confidence: 0.99853516
00:03:02.455 --> 00:03:04.135 included older adults in the
NOTE Confidence: 0.99853516
00:03:04.135 --> 00:03:04.635 development
NOTE Confidence: 0.9980469
00:03:05.280 --> 00:03:05.780 process,
NOTE Confidence: 0.9968872
00:03:06.080 --> 00:03:07.440 ensuring that this is a
NOTE Confidence: 0.9968872
00:03:07.440 --> 00:03:08.740 user centered design.
NOTE Confidence: 0.9726105
00:03:11.600 --> 00:03:13.520 Voices is not intended to
NOTE Confidence: 0.9726105
00:03:13.520 --> 00:03:15.120 replace the screening process, but
NOTE Confidence: 0.9726105
00:03:15.120 --> 00:03:16.880 instead integrate into the clinical
NOTE Confidence: 0.9726105
00:03:16.880 --> 00:03:17.380 workflow
NOTE Confidence: 0.962321
00:03:17.845 --> 00:03:18.985 to enhance detection,
NOTE Confidence: 0.9984538

00:03:19.444 --> 00:03:21.285 particularly among those who have
NOTE Confidence: 0.9984538

00:03:21.285 --> 00:03:22.505 no signs of abuse.
NOTE Confidence: 0.9991455

00:03:24.245 --> 00:03:25.465 In our prior research,
NOTE Confidence: 0.9766846

00:03:26.005 --> 00:03:28.165 we evaluated using voices among
NOTE Confidence: 0.9766846

00:03:28.165 --> 00:03:29.925 older adults in various settings,
NOTE Confidence: 0.9766846

00:03:29.925 --> 00:03:31.480 such as the emergency department,
NOTE Confidence: 0.9766846

00:03:31.540 --> 00:03:33.060 primary care clinic, and a
NOTE Confidence: 0.9766846

00:03:33.060 --> 00:03:33.879 memory clinic.
NOTE Confidence: 0.9579102

00:03:34.180 --> 00:03:35.780 Our locations included the Yale
NOTE Confidence: 0.9579102

00:03:35.780 --> 00:03:37.140 New Haven Health System and
NOTE Confidence: 0.9579102

00:03:37.140 --> 00:03:39.480 the Adler Geriatric Assessment Center.
NOTE Confidence: 0.98876953

00:03:40.099 --> 00:03:42.019 Our process involved having research
NOTE Confidence: 0.98876953

00:03:42.019 --> 00:03:43.620 assistants orient the patient to
NOTE Confidence: 0.98876953

00:03:43.620 --> 00:03:45.145 voices on the tablet, and
NOTE Confidence: 0.98876953

00:03:45.145 --> 00:03:46.985 then the patient completed voices
NOTE Confidence: 0.98876953

00:03:46.985 --> 00:03:47.485 independently.

NOTE Confidence: 0.997879
00:03:48.185 --> 00:03:49.865 Caregivers, if present, were asked
NOTE Confidence: 0.997879
00:03:49.865 --> 00:03:50.825 to leave the room during
NOTE Confidence: 0.997879
00:03:50.825 --> 00:03:52.425 the study session to ensure
NOTE Confidence: 0.997879
00:03:52.425 --> 00:03:52.925 privacy.
NOTE Confidence: 0.92718506
00:03:53.625 --> 00:03:56.025 For cognitive impairment assessments, we
NOTE Confidence: 0.92718506
00:03:56.025 --> 00:03:57.705 use the abbreviated mental test
NOTE Confidence: 0.92718506
00:03:57.705 --> 00:03:59.225 four and the Montreal cognitive
NOTE Confidence: 0.92718506
00:03:59.225 --> 00:03:59.725 assessment.
NOTE Confidence: 0.9989258
00:04:00.400 --> 00:04:02.420 We evaluated outcomes of feasibility,
NOTE Confidence: 0.9995117
00:04:02.720 --> 00:04:03.220 satisfaction,
NOTE Confidence: 0.9950684
00:04:03.680 --> 00:04:05.220 ease of use, and appropriateness.
NOTE Confidence: 0.9838867
00:04:06.400 --> 00:04:07.140 We demonstrated
NOTE Confidence: 0.9259033
00:04:07.440 --> 00:04:09.460 high satisfaction in various clinical
NOTE Confidence: 0.9259033
00:04:09.520 --> 00:04:10.020 settings.
NOTE Confidence: 0.9707674
00:04:10.480 --> 00:04:12.480 Across multiple studies in the
NOTE Confidence: 0.9707674

00:04:12.480 --> 00:04:14.320 emergency department, we recruited a
NOTE Confidence: 0.9707674

00:04:14.320 --> 00:04:16.975 thousand cognitively intact participants over
NOTE Confidence: 0.9707674

00:04:16.975 --> 00:04:18.195 sixty years and older.
NOTE Confidence: 0.9996745

00:04:18.654 --> 00:04:19.875 We also evaluated
NOTE Confidence: 0.9936175

00:04:20.175 --> 00:04:21.775 eighty participants in the primary
NOTE Confidence: 0.9936175

00:04:21.775 --> 00:04:22.595 care setting,
NOTE Confidence: 0.9995868

00:04:22.975 --> 00:04:25.154 and we evaluated thirty participants
NOTE Confidence: 0.9995868

00:04:25.375 --> 00:04:26.975 with cognitive impairments in the
NOTE Confidence: 0.9995868

00:04:26.975 --> 00:04:28.355 memory clinic pilot.
NOTE Confidence: 0.9947917

00:04:29.270 --> 00:04:30.150 As you can see on
NOTE Confidence: 0.9947917

00:04:30.150 --> 00:04:32.090 this graph, it demonstrates that
NOTE Confidence: 0.9947917

00:04:32.390 --> 00:04:34.310 participants felt that using voices
NOTE Confidence: 0.9947917

00:04:34.310 --> 00:04:35.830 was easy. They were able
NOTE Confidence: 0.9947917

00:04:35.830 --> 00:04:38.170 to complete using voices independently
NOTE Confidence: 0.9947917

00:04:38.390 --> 00:04:39.290 without help,
NOTE Confidence: 0.99482864

00:04:39.590 --> 00:04:41.270 and the instructions provided by

NOTE Confidence: 0.99482864
00:04:41.270 --> 00:04:42.710 the digital coach were clear
NOTE Confidence: 0.99482864
00:04:42.710 --> 00:04:44.145 and easy to follow and
NOTE Confidence: 0.99482864
00:04:44.145 --> 00:04:45.585 that they felt safer after
NOTE Confidence: 0.99482864
00:04:45.585 --> 00:04:46.485 using voices.
NOTE Confidence: 0.9973288
00:04:47.504 --> 00:04:49.345 Study comparisons in the emergency
NOTE Confidence: 0.9973288
00:04:49.345 --> 00:04:51.205 department and primary care clinic
NOTE Confidence: 0.9973288
00:04:51.425 --> 00:04:53.824 also demonstrate high satisfaction across
NOTE Confidence: 0.9973288
00:04:53.824 --> 00:04:54.884 multiple domains.
NOTE Confidence: 0.86468506
00:04:55.824 --> 00:04:57.525 Additionally, we found that patients
NOTE Confidence: 0.86468506
00:04:57.585 --> 00:04:57.878 felt that their education after
NOTE Confidence: 0.86468506
00:04:57.878 --> 00:04:57.944 using voices was much higher.
NOTE Confidence: 0.86468506
00:04:57.944 --> 00:04:58.645 They felt that they received
NOTE Confidence: 0.99514043
00:04:59.400 --> 00:05:00.919 after using voices was much
NOTE Confidence: 0.99514043
00:05:00.919 --> 00:05:02.919 higher. They felt that they
NOTE Confidence: 0.99514043
00:05:02.919 --> 00:05:05.479 received better education and learned
NOTE Confidence: 0.99514043

00:05:05.479 --> 00:05:07.000 more about the types of
NOTE Confidence: 0.99514043

00:05:07.000 --> 00:05:07.500 abuse
NOTE Confidence: 0.9886882

00:05:07.880 --> 00:05:09.639 and the resources available to
NOTE Confidence: 0.9886882

00:05:09.639 --> 00:05:10.139 them.
NOTE Confidence: 0.98226494

00:05:14.065 --> 00:05:15.745 Older adults with or without
NOTE Confidence: 0.98226494

00:05:15.745 --> 00:05:17.505 cognitive impairments who used voices
NOTE Confidence: 0.98226494

00:05:17.505 --> 00:05:19.185 were highly satisfied and felt
NOTE Confidence: 0.98226494

00:05:19.185 --> 00:05:20.464 the tool was feasible for
NOTE Confidence: 0.98226494

00:05:20.464 --> 00:05:22.065 use in emergency department and
NOTE Confidence: 0.98226494

00:05:22.065 --> 00:05:23.285 primary care settings.
NOTE Confidence: 0.90416837

00:05:24.464 --> 00:05:26.545 Voices represents a promising digital
NOTE Confidence: 0.90416837

00:05:26.545 --> 00:05:28.225 health solution for elder abuse
NOTE Confidence: 0.90416837

00:05:28.225 --> 00:05:28.396 screening and has the potential
NOTE Confidence: 0.90416837

00:05:28.396 --> 00:05:29.285 to significantly enhance the
NOTE Confidence: 0.9326443

00:05:30.040 --> 00:05:31.960 to significantly enhance the screening
NOTE Confidence: 0.9326443

00:05:31.960 --> 00:05:33.340 process for elder mistreatment

NOTE Confidence: 0.9728733

00:05:33.960 --> 00:05:35.800 and increase detection of cases

NOTE Confidence: 0.9728733

00:05:35.800 --> 00:05:37.100 that are normally missed.

NOTE Confidence: 0.99121094

00:05:37.480 --> 00:05:39.080 Voices caters to older adults

NOTE Confidence: 0.99121094

00:05:39.080 --> 00:05:40.760 with varying levels of technical

NOTE Confidence: 0.99121094

00:05:40.760 --> 00:05:41.260 proficiency,

NOTE Confidence: 0.9984966

00:05:41.824 --> 00:05:43.025 and we believe that future

NOTE Confidence: 0.9984966

00:05:43.025 --> 00:05:44.705 integration of voices can promote

NOTE Confidence: 0.9984966

00:05:44.705 --> 00:05:46.165 a safer and more supportive

NOTE Confidence: 0.9984966

00:05:46.305 --> 00:05:48.225 environment for older adults with

NOTE Confidence: 0.9984966

00:05:48.225 --> 00:05:50.165 the potential to decrease mortality

NOTE Confidence: 0.9984966

00:05:50.305 --> 00:05:52.165 risk for older adults experiencing

NOTE Confidence: 0.9984966

00:05:52.225 --> 00:05:53.985 mistreatment and increased rates of

NOTE Confidence: 0.9984966

00:05:53.985 --> 00:05:55.125 health system use.

NOTE Confidence: 0.99960935

00:05:55.529 --> 00:05:57.470 We believe that future research

NOTE Confidence: 0.99540573

00:05:57.770 --> 00:05:59.610 evaluating the efficacy of voices

NOTE Confidence: 0.99540573

00:05:59.610 --> 00:06:00.970 and long term outcomes of
NOTE Confidence: 0.99540573

00:06:00.970 --> 00:06:02.570 the benefits and harms will
NOTE Confidence: 0.99540573

00:06:02.570 --> 00:06:04.910 be helpful to further expand
NOTE Confidence: 0.99540573

00:06:04.970 --> 00:06:05.710 our work.
NOTE Confidence: 1

00:06:07.770 --> 00:06:08.589 In conclusion,
NOTE Confidence: 0.9597886

00:06:09.784 --> 00:06:11.544 voices is feasible for detecting
NOTE Confidence: 0.9597886

00:06:11.544 --> 00:06:13.705 elder mistreatment and cognitively intact
NOTE Confidence: 0.9597886

00:06:13.705 --> 00:06:15.224 older adults and those with
NOTE Confidence: 0.9597886

00:06:15.224 --> 00:06:16.284 cognitive impairments
NOTE Confidence: 0.9738148

00:06:16.824 --> 00:06:18.824 with MOCA scores between fourteen
NOTE Confidence: 0.9738148

00:06:18.824 --> 00:06:20.745 through twenty five. We believe
NOTE Confidence: 0.9738148

00:06:20.745 --> 00:06:22.264 that voices can also provide
NOTE Confidence: 0.9738148

00:06:22.264 --> 00:06:23.245 additional services,
NOTE Confidence: 0.985616

00:06:23.569 --> 00:06:24.930 especially to those without signs
NOTE Confidence: 0.985616

00:06:24.930 --> 00:06:25.910 of elder mistreatment.
NOTE Confidence: 0.99991864

00:06:26.690 --> 00:06:27.810 And we also believe that

NOTE Confidence: 0.99991864

00:06:27.810 --> 00:06:29.009 voices can be used for

NOTE Confidence: 0.99991864

00:06:29.009 --> 00:06:30.770 early detection and prevention of

NOTE Confidence: 0.99991864

00:06:30.770 --> 00:06:33.169 severe mistreatment for those in

NOTE Confidence: 0.99991864

00:06:33.169 --> 00:06:34.550 this high risk population.

NOTE Confidence: 0.99853516

00:06:37.648 --> 00:06:38.388 Thank you.