COUNTY OF SAN DIEGO OVERDOSE DATA TO ACTION (OD2A) PROGRAM

Behavioral Health Advisory Board Alcohol & Other Drugs Prevention Subcommittee

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04/19/23









TODAY'S OBJECTIVES



- What is the Problem?
- Overview of OD2A
- OD2A Strategies & Activities
- OD2A Evaluation



Figure 1. The image above illustrates the key strategies of the OD2A grant.

Please view the next page for more information on the 5 key strategies.

Image Source: Centers for Disease Control and Prevention, 2019.



WHAT'S THE PROBLEM?



Non-Natural Drug Deaths



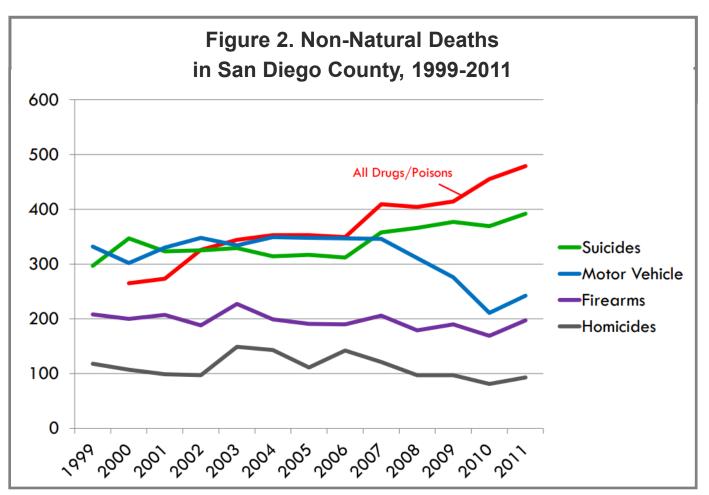


Figure 2 (OD2A Newsletter). shows the count of non-natural deaths in San Diego County from 1999 to 2011.

Source: San Diego Prescription Drug Abuse Medical Task Force, 2012

PROVISIONAL COUNTS OF DRUG OVERDOSE DEATHS: UNITED STATES



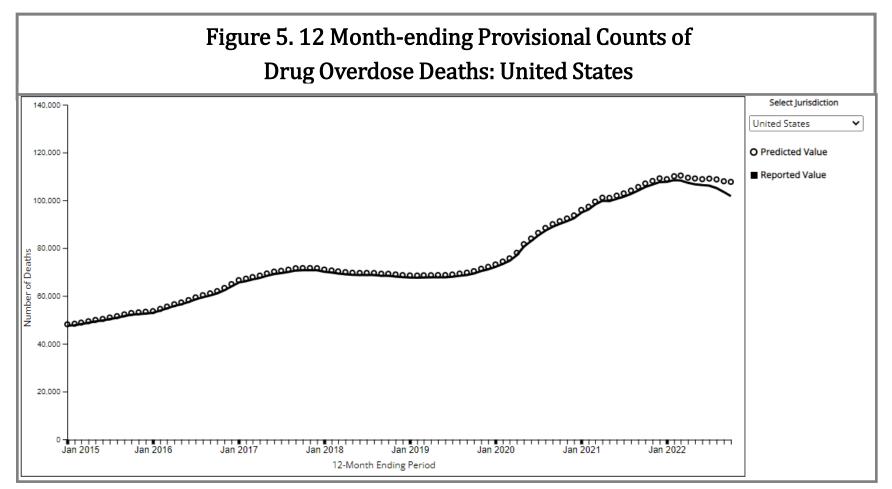


Figure 5 (OD2A Newsletter). shows the provisional count of drug overdose deaths occurring in the 12-month period each year in the United States from January 2015 to December 2022.

Source: Centers for Disease Control and Prevention, 2023. (See OD2A March 2023 Newsletter for notes) Based on available for analysis on: March 5, 2023.

Unintentional Prescription Drug Related Deaths



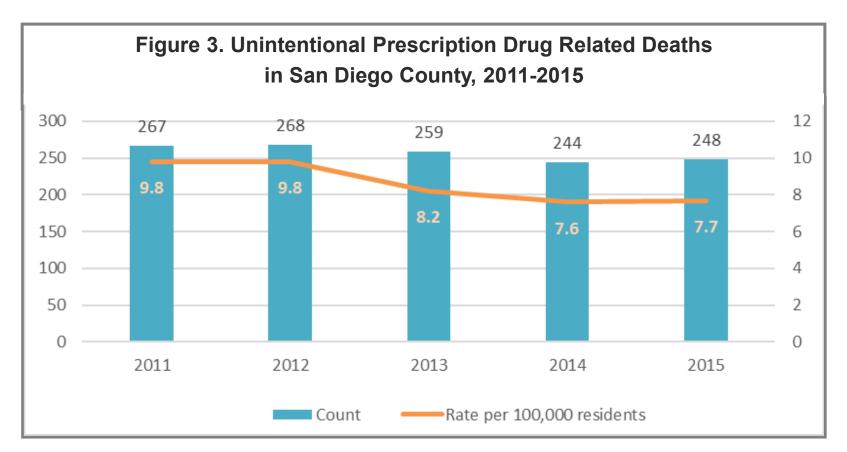


Figure 3 (OD2A Newsletter). shows the count and rate of unintentional deaths due to prescription drugs in San Diego County from 2011 to 2015.

Source: County of San Diego Medical Examiner's Office.

Population estimates source: San Diego Association of Governments (SANDAG), 2010 Census.

UNINTENTIONAL FENTANYL-CAUSED DEATHS



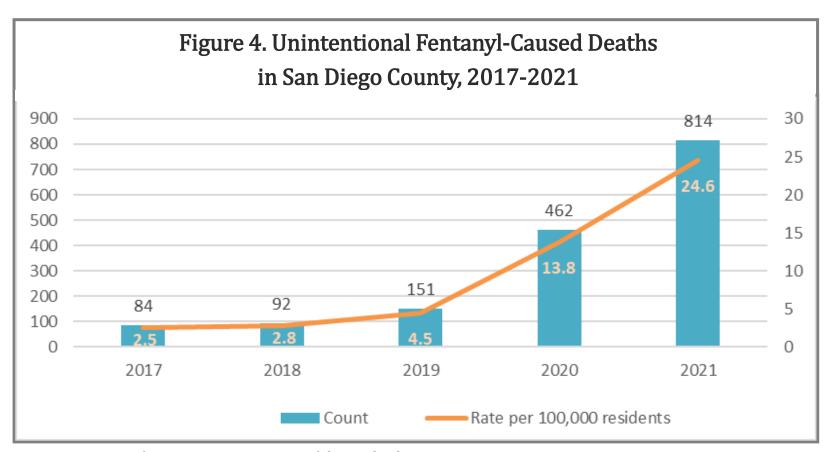


Figure 4 (OD2A Newsletter). shows the count and rate of unintentional fentanyl-caused deaths in San Diego County from 2017 to 2021.

Source: County of San Diego Department of the Medical Examiner.

Population estimates source: SANDAG, Current Estimates, 2021.

Note: These data represent only deaths examined by the County of San Diego Department of the Medical Examiner and those that had toxicology. There are over 22,000 deaths each year in San Diego County, the Department of the Medical Examiner investigates around 3,000 deaths a year.



Overview of OD2A



BACKGROUND: WHAT IS OD2A?



The County of San Diego is one of the 66 recipients of the Overdose Data to Action (OD2A) grant, awarded by the Centers for Disease Control and Prevention (CDC) in 2019.

 Grantees focus on opioid overdose surveillance and prevention strategies.

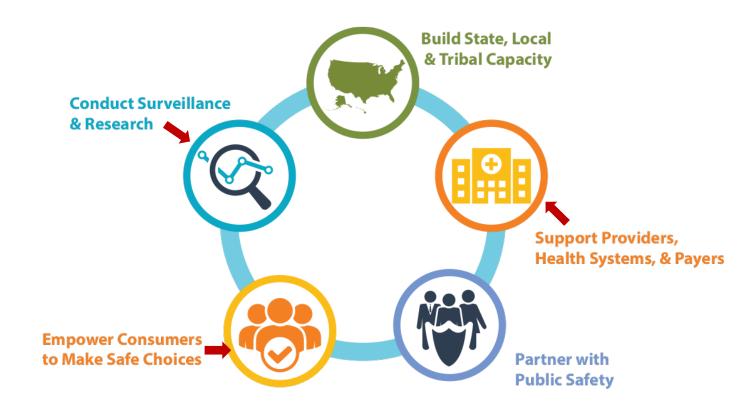


Figure 1. The image above illustrates the key strategies of the OD2A grant.

Please view the next page for more information on the 5 key strategies.

Image Source: Centers for Disease Control and Prevention, 2019.



OD2A STRATEGIES & ACTIVITIES



BACKGROUND: STRATEGIES



OD2A STRATEGIES

- Consistent with OD2A specifications, the County has adopted five strategies:
 - Strategy 3 Innovative Surveillance
 - Strategy 4 Prescription Drug Monitoring Program (PDMP)
 - Strategy 5 Integration of State and Local Prevention & Response Efforts
 - Strategy 6 Establishing Linkages to Care
 - Strategy 7 Provider and Health Systems Support

STRATEGIES 3, 4, & 7





WILMA J. WOOTEN, M.D., M.P.H.
Public Health Officer
Public Health Services
Health and Human Services Agency



INNOVATIVE SURVEILLANCE

- Lead: Public Health Services, Epidemiology Unit (Sr. Epi)
- Goal: Identify new and innovative ways to collect and report drug use or overdose data that is better tailored to San Diego's needs
- Objective:
 - Identify innovative morbidity/mortality surveillance strategies
 - Trend analysis and aberration detection using local syndromic surveillance data (Ongoing)
 - National Syndromic Surveillance Program (Onboarding)
- This strategy supports the development of the County Overdose Unit, which is planned to launch July 1, 2023.



PROJECTS AND ACTIVITIES

- Surveillance Systems and Data Sources
 - Local Syndromic Surveillance System (emergency department chief complaint data from local hospitals)
 - National Syndromic Surveillance Program (will begin contributing)
 - SUDORS (State Unintentional Drug Overdose Reporting System) -Question whether to include
 - Vital Records Business Intelligence System (VRBIS) California Department of Public Health (CDPH) mortality data
 - Health Care Access and Information (HCAI) CDPH hospital and emergency department discharge data



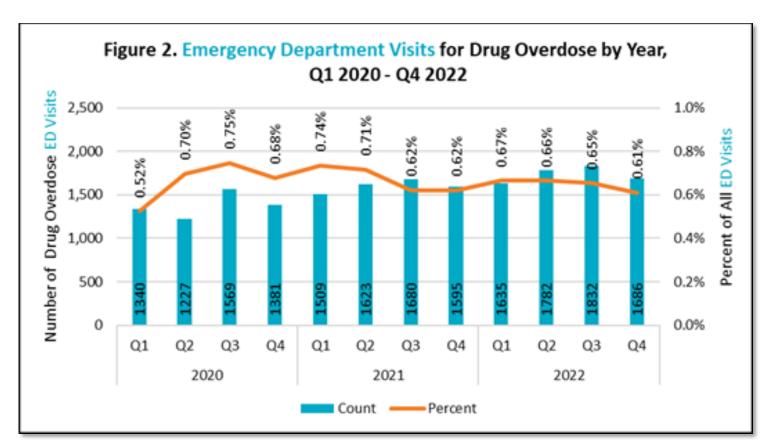
PROJECTS AND ACTIVITIES

- Reports
 - Daily Report
 - BHS PICC (Priority Incident Case Capture) Report
 - Weekly Surveillance Report
 - Weekly Trend Report: Drug-Related Initial Encounters at San Diego County Emergency Departments
 - Quarterly Surveillance Report
 - Overdose Quarterly Report Coming soon
 - Annual Report
 - 5-Year Retrospective Analysis
 - Opioid-Related Overdoses and Encounters in San Diego County, 2015-2019
 - Opioid-Related Overdoses and Encounters in San Diego County, 2016-2020

ED VISITS FOR DRUG OVERDOSES



OVERDOSE SURVEILLANCE QUARTERLY REPORT (STRATEGY 3)



¹Drugs are categorized based on key words in chief complaint data and ICD-10 diagnostic codes when available. They may not represent the final diagnosis. Categories are not mutually exclusive; a single ED visit may involve more than one drug category.

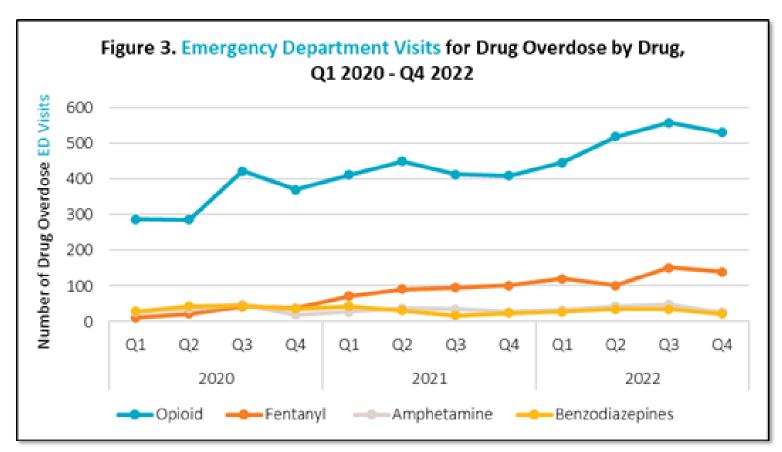
Figure 2 shows the number of emergency department (ED) visits for overall drug overdoses increasing from the beginning of 2020, through Quarter 4,* 2022, while averaging 0.7% of all ED visits.

*Calendar Year

ED OVERDOSE VISITS BY SELECT DRUGS



OVERDOSE SURVEILLANCE QUARTERLY REPORT (STRATEGY 3)



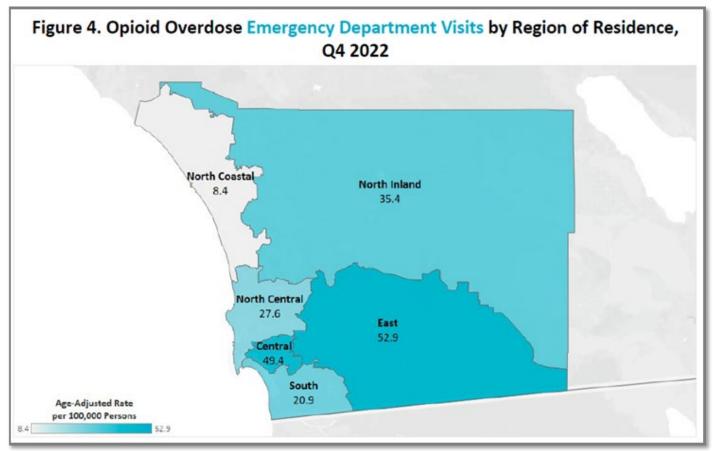
¹Drugs are categorized based on key words in chief complaint data and ICD-10 diagnostic codes when available. They may not represent the final diagnosis. Categories are not mutually exclusive; a single ED visit may involve more than one drug category.

Figure 3 displays the number of ED overdose visits by select drugs. Opioid and fentanyl overdose ED visits were 1.9 and 12.7 times higher, respectively, in Quarter 4,* 2022 than in Quarter 1 2020.

*Calendar Year



OVERDOSE SURVEILLANCE QUARTERLY REPORT (STRATEGY 3)



¹Drugs are categorized based on key words in chief complaint data and ICD-10 diagnostic codes when available. They may not represent the final diagnosis. Categories are not mutually exclusive; a single ED visit may involve more than one drug category.

Figure 4 displays the number of opioid overdose ED visits by region of residence in Quarter 4,* 2022.

*Calendar Year



PRESCRIPTION DRUG MONITORING PROGRAMS (PDMP)

- Lead: Public Health Services Administrative (PHO)
- Goal: Focus on better utilizing prescription drug monitoring program (PDMP) data to inform prescribing practices and prevention programs.

Objectives:

- By the end of the grant, 10% of providers will more actively utilize the California PDMP, CURES 2.0, more frequently than required by law. (In Progress)
- Implement protocol for sending unsolicited notifications of patient overdose deaths to prescribers. (Completed)
- Establish quarterly CURES trend updates for providers. (Issued Quarterly)
- Provide educational guidance to 25% of prescribers and clinics identified as potentially overprescribing as measured by the PDMP. (In Progress)



PROJECTS AND ACTIVITIES

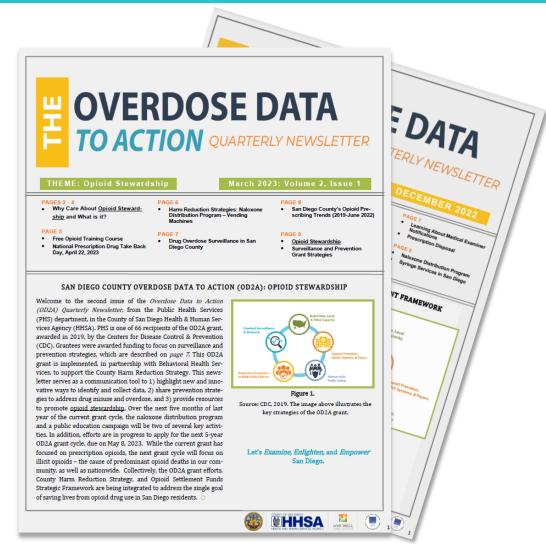
- Webpage (SanDiegoCounty.gov/OD2A)
 - Home to resources for prescribers (i.e., physicians, physician assistants, nurse practitioners, dental practitioners, pharmacists), healthcare systems (i.e., hospitals, FQHCs, insurers), and the community.
 - Can also view OD2A data and reports and where to access naloxone in San Diego County.





PROJECTS AND ACTIVITIES

- Quarterly Newsletter (link)
 - A communication tool between OD2A and prescribers (monthly theme).
 - Highlights new and innovative ways to identify and collect data.
 - Shares prevention strategies to address opioid misuse and overdose.





PROVIDERS AND HEALTH SYSTEMS SUPPORT

- Lead: Public Health Services Administration
- Goal: Support healthcare providers and health systems with drug overdose prevention and response, including expanding the use of evidence-based prescribing and treatment practices.

Objectives:

- Develop guidelines/trainings on safe opioid prescribing practices in order to increase knowledge of safe opioid prescribing practices among healthcare system prescribers by 10%. (In Progress)
- Develop recommendations for clinical decision support (CDS) tools for safe opioid prescribing. (In Progress)



PROJECTS AND ACTIVITIES

- Working on a <u>landscape analysis</u> of Opioid Stewardship Programs in healthcare systems.
- Healthcare systems settings = Hospitals, Federally Qualified Health Centers, Pharmacy Benefit Managers, and Insurers
- Developing an <u>Opioid Stewardship Toolkit</u> based on the landscape analysis. It will include sections for hospitals, FQHCs, pharmacy benefit managers, and pharmacies.



Opioid Stewardship Toolkit



STRATEGIES 5 & 6





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Harm Reduction Program Coordinator
Behavioral Health Services
Health and Human Services Agency



INTEGRATION OF STATE AND LOCAL PREVENTION AND RESPONSE EFFORTS

- Lead: Behavioral Health Services
- Goal: Focus on improving state and local prevention efforts to build more effective and sustainable surveillance and implement community-level interventions in high-burden areas.

Objectives:

- Update and expand adopted County Strategic Plan to Address Opioid and Prescription Drug Misuse. (Completed)
- Develop a naloxone distribution infrastructure plan. (Implementation in Progress)
- Develop surveillance policies, procedures, and products to engage stakeholders about data and evidence driven priorities for response to support and expand the existing process. (In Progress)



PROJECTS AND ACTIVITIES: NALOXONE VENDING MACHINES

- As of 4/18/2023, 322 naloxone kits have been distributed.
- The first vending machine went live on March 2, 2023 at the McAllister Institute.
- The second and third vending machines went live the week of 4/3/2023. They are located at T.H.E. C.I.R.C.L.E. by Epiphany and El Dorado.
- The fourth machine went live on 4/18/23 at Pala Reservation.
- Anyone interested in accessing naloxone can access it atno-cost by completing a registration and brief training.
- An additional 12 machines (4 in jails) will be placed throughout the County by August 31, 2023.







PROJECTS AND ACTIVITIES: EDUCATIONAL MATERIALS















ESTABLISHING LINKAGES TO CARE

- Lead: Behavioral Health Services
- Goal: Ensure people are connected to the care they need by leveraging systems and upstream prevention efforts.

Objectives:

- Assist in development of policies and procedures to identify and track patients with nonfatal overdoses in two emergency departments. (In Progress)
- Develop a system to track care connection to Medication Assisted Treatment (MAT) for individuals experiencing nonfatal overdoses and increase care connections by 15%. (In Progress)
- Increase utilization of the Organized Support Companion in an Emergency Situation (OscER) app by 10% as measured by app analytics. (In Progress)



PROJECTS AND ACTIVITIES: ACCESS TO CARE & TREATMENT

- Designing a <u>peer coaching model</u> to provide engagement and follow up services to individuals that present at the <u>emergency</u> <u>department</u> after a non-fatal overdose.
- Will facilitate and support <u>county-wide learning collaborative</u> among CA Bridge navigators.

Creating a <u>Harm Reduction Resource Guide</u> for providers.



OD2A EVALUATION



4/13/2023

EVALUATION LEAD





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Senior Epidemiologist
Public Health Services
Health and Human Services Agency

EVALUATION



OD2A EVALUATION GOALS

- Focused on the evaluation of the flow of data between different sources to inform prevention activities conducted within the grant.
- Some ways are through:
 - Mapping data from the PDMP to monitor trends in prescribing behavior.
 - Collecting and analyzing data to understand barriers and facilitators.
 - Sharing OD2A evaluation results for feedback and development of activities.



Evaluation Plan

EVALUATION



PROJECTS AND ACTIVITIES: SAN DIEGO COUNTY OPIOID PRESCRIBING TRENDS

- The California Prescription Drug Monitoring Program, also known as the Controlled Substance Utilization Review and Evaluation System (CURES 2.0), is a database of Schedule II-V controlled substance prescriptions dispensed in California.
- Analyzed de-identified CURES data from 2019 to June 2022 to assess prescribing behavior in San Diego County.

GENERAL TRENDS IN CURES 2.0 6 | THE LIVE Y





ALL PRESCRIBERS

	2019	2020	2021	2022 (Jan-Jun)
Number of prescriptions written	1,102,514	1,009,208 (-8%)	988,149 (-2%)	476,515 (-52%)
Average Daily Dose (all prescriptions)	47.4	46.4 (-2%)	45.4 (-2%)	45.3 (2%)
Average days supply per patient	8.5	8.4 (-1%)	8.0 (-5%)	9.6 (+20%)
Average days supply per prescriber	10.2	10.4	10.4	10.8
Number of prescriptions written for over 50 MME/day	297,874	257,101 (-14%)	226,457 (-12%)	102,760 (-55%)
Number of prescribers who on average prescribed over 50 MME/day	1,351	1,216 (-10%)	1,132 (-7%)	922 (-19%)

EVALUATION



PROJECTS AND ACTIVITIES: SOCIAL NETWORK ANALYSIS

- Designed to assess and track how the connections and partnerships have grown/expanded under OD2A funding.
- Results will inform the OD2A team of how information was communicated from the core OD2A team to collaborating partners (contractors, members of the Healthcare Task Force, and other partners) for the work of overdose prevention and treatment.
- The results will be used to demonstrate the impact of OD2A in expanding a network and increasing collaboration over the life of the grant.

DEA NATIONAL RX TAKEBACK DAY





SATURDAY, APRIL 22, 10:00AM TO 2:00PM

Northern

- Tri-City Medical Center 4002 Vista Way, Oceanside
- Escondido Police Station 1163 N. Centre City Pkwy., Escondido
- Poway Sheriff's Station 13100 Bowron Rd., Poway
- San Marcos Sheriff's Station
 182 Santar Place, San Marcos
- North County Regional Center Courthouse 325 S. Melrose Dr., Vista
- Carlsbad Police Department 5750 Orion St., Carlsbad

Central

- SDPD Eastern Division 9225 Aero Dr., San Diego
- SDPD Northwestern Division
 12592 El Camino Real, San Diego
- SDPD Western Division
 5215 Gaines St., San Diego
- San Diego State University
 6095 Canyon Crest (on the corner of College Avenue), San Diego
- Mesa College Police Station7250 Mesa College Dr. Bldg. Q-100



To find the collection site nearest you, visit

DEA NATIONAL RX TAKEBACK DAY





SATURDAY, APRIL 22, 10:00AM TO 2:00PM

Eastern

- El Cajon Police Department
 100 Civic Center Way, El Cajon
- La Mesa Police Department 8085 University Ave., La Mesa
- Alpine Sheriff's Station 2751 Alpine Blvd., Alpine

Southern

- Otay Ranch Town Center
 2015 Birch Rd., Chula Vista
- Coronado Police Station700 Orange Ave., Coronado
- Imperial Beach Sheriff's Station 845 Imperial Beach Blvd., Imperial Beach

Military (Military, Retirees, Beneficiaries, & Staff Only)

- Naval Medical Center San Diego (Balboa) Baxter Circle, between Bldg. 2&3
- Navy Exchange 32nd St., in the NEX Lot @ Callagan Hwy gate
- MCAS Miramar Exchange 2660 Elrod Ave., San Diego
- Naval Air Station North Island Building No. 2017, San Diego



To find the collection site nearest you, visit

QUESTIONS?





OD2A Email: PHS.OD2A@sdcounty.ca.gov







