



**HEALTH AND MENTAL HEALTH CLUSTER
AGENDA REVIEW MEETING**

DATE: Wednesday, August 30, 2023

TIME: 11:30 A.M.

THIS MEETING WILL CONTINUE TO BE CONDUCTED VIRTUALLY AS PERMITTED UNDER THE BOARD OF SUPERVISORS AUGUST 8, 2023, ORDER SUSPENDING THE APPLICATION OF BOARD POLICY 3.055 UNTIL MARCH 31, 2024.

TO PARTICIPATE IN THE MEETING, PLEASE CALL AS FOLLOWS:

DIAL-IN NUMBER: 1 (323) 776-6996

CONFERENCE ID: 322130288#

[MS Teams link](#) (Ctrl+Click to Follow Link)

AGENDA

Members of the Public may address the Health and Mental Health Services Meeting on any agenda item. Two (2) minutes are allowed for each item.

THIS TELECONFERENCE WILL BE MUTED FOR ALL CALLERS. PLEASE DIAL *6 TO UNMUTE YOUR PHONE WHEN IT IS YOUR TIME TO SPEAK.

11:45 A.M. NOTICE OF CLOSED SESSION

CS-1 CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Government Code Section 54956.9(d)

Significant Exposure to Litigation

Department of Health Services

- I. Call to order
- II. **Information Item(s) (Any Information Item is subject to discussion and/or presentation at the request of two or more Board offices):**
 - a. **DHS:** Authorization to Accept and Implement Forthcoming Federal Funding from the Office of Traffic Safety for the Emergency Medical Services Agency
- III. Items Continued from a Previous Meeting of the Board of Supervisors or from the Previous Agenda Review Meeting

- IV. Items not on the posted agenda for matters requiring immediate action because of an emergency situation, or where the need to take immediate action came to the attention of the Department subsequent to the posting of the agenda.
- V. Public Comment
- VI. Adjournment

BOARD LETTER/MEMO CLUSTER FACT SHEET

 Board Letter

 Board Memo

 Other

CLUSTER AGENDA REVIEW DATE	8/30/2023	
BOARD MEETING DATE	9/12/2023	
SUPERVISORIAL DISTRICT AFFECTED	<input checked="" type="checkbox"/> All <input type="checkbox"/> 1 st <input type="checkbox"/> 2 nd <input type="checkbox"/> 3 rd <input type="checkbox"/> 4 th <input type="checkbox"/> 5 th	
DEPARTMENT(S)	Department of Health Services	
SUBJECT	Request for authorization to accept and implement forthcoming Federal funding from the California Office of Traffic Safety and accept any supplemental funding that will provide for the Emergency Medical Services (EMS) Agency to continue to build, enhance, and sustain the emergency medical response and quality improvement initiatives within the County of Los Angeles (County).	
PROGRAM	Emergency Medical Services	
AUTHORIZES DELEGATED AUTHORITY TO DEPT	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
SOLE SOURCE CONTRACT	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	If Yes, please explain why:	
DEADLINES/ TIME CONSTRAINTS	Forthcoming funding for two grants from the California Office of Traffic Safety (OTS), under the Federal agency National Highway Traffic Safety Administrations (NHTSA), have a grant period from October 1, 2023, through September 30, 2024.	
COST & FUNDING	Total cost: The total funding request for two grants is \$1,716,468.	Funding source: The forthcoming funding in the amount of \$700,902 and \$1,015,566 for total of \$1,716,468 for two grants from the California Office of Traffic Safety (OTS), under the Federal agency National Highway Traffic Safety Administration (NHTSA.)
	TERMS (if applicable): The term for each Agreement shall be effective for the period October 1, 2023 through September 30, 2024.	
	Explanation: Total funding request of \$1,716,468 for two grants is included in DHS FY 2023-24's Supplemental Budget Resolution request pending Board approval on October 3, 2023. DHS will request continued funding in future fiscal years, as needed. There is no impact to net County cost.	
PURPOSE OF REQUEST	<p>Approval of the first recommendation will allow DHS, on behalf of the EMS Agency to accept forthcoming Federal funding in the amount of \$1,716,468 for two grants from the California OTS through the Federal NHTSA for the Protocol Mobile App Project in the amount of \$1,015,566 and the HDE Enhancement Project in the amount of \$700,902, and to execute all other necessary documents.</p> <p>Approval of the second recommendation will allow DHS to execute future amendments to the California OTS award and any related documents, extend the term and funding of the grant, and reflect non-material and/or ministerial revisions to the grant's terms and conditions, subject to review and approval as to form by County Counsel and notification to the Board and CEO.</p> <p>Approval of the third and fourth recommendations will allow DHS to establish Agreements with The Lundquist Institute at Harbor-UCLA MC and Perceptronics Solutions, Inc., execute amendments to extend the term and increase and/or decrease</p>	

	<p>funding with the maximum obligation not to exceed the budgeted amount per the California OTS grant. The California OTS grant award will be used to accomplish the grant objectives and/or expand services required to support the EMS Agency's objectives as set forth in the California OTS award, subject to review and approval as to form by County Counsel.</p> <p>Approval of the fifth recommendation will allow DHS to accept any future California OTS grant awards not to exceed \$2 million annually, execute all necessary award documents, extend the term, increase and/or decrease funding, and reflect non-material and/or ministerial revisions to the grant's terms and conditions, subject to review and approval as to form by County Counsel and prior notice to the Board and notification to the Board and CEO.</p> <p>Approval of the sixth recommendation will allow DHS to enter into agreement with vendors named in any future California OTS grant awards, extend the term, increase and/or decrease funding and add, delete, and/or change non-substantive terms and conditions or make other changes as required by the Board, or to comply with federal and State law or regulation, subject to review and approval as to form by County Counsel and notification to the Board and CEO.</p> <p>Approval of the seventh recommendation will allow DHS to terminate the California OTS Agreement in accordance with the termination provisions within the Agreement.</p>
<p>BACKGROUND (include internal/external issues that may exist including any related motions)</p>	<p>The EMS Agency received a Notice of Award (NOA) for the approval of two proposals submitted to the California OTS. The California OTS is a state office and receives funding for grants within the state of California from the Federal NHTSA. The California OTS grants are awarded to governmental agencies for projects that can enhance highway safety and post-crash trauma care within regions. The EMS Agency applied for the two grants to enhance the Agency's overall emergency response capabilities and to support quality initiatives that enhance trauma care throughout the County.</p>
<p>EQUITY INDEX OR LENS WAS UTILIZED</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please explain how:</p>
<p>SUPPORTS ONE OF THE NINE BOARD PRIORITIES</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please state which one(s) and explain how:</p>
<p>DEPARTMENTAL CONTACTS</p>	<p>Name, Title, Phone # & Email: Jacqueline Rifenburg, EMS, Emergency Medical Services Assistant Director (562) 378-1640 jrifenburg@dhs.lacounty.gov</p>

September 12, 2023

DRAFT

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

Dear Supervisors:

**AUTHORIZATION TO ACCEPT AND IMPLEMENT FORTHCOMING FEDERAL
FUNDING FROM THE OFFICE OF TRAFFIC SAFETY FOR THE EMERGENCY
MEDICAL SERVICES AGENCY
(ALL SUPERVISORIAL DISTRICTS)
(3 VOTES)**

SUBJECT

Request for authorization to accept and implement forthcoming Federal funding from the California Office of Traffic Safety (OTS) and accept any supplemental funding that will provide for the Emergency Medical Services (EMS) Agency to continue to build, enhance, and sustain the emergency medical response and quality improvement initiatives in the Los Angeles County (LA County).

IT IS RECOMMENDED THAT THE BOARD:

1. Authorize and instruct the Director of the Department of Health Services (DHS), or designee, to accept forthcoming funding in the amount of \$700,902 and \$1,015,566 for a total of \$1,716,468 for two grants from the California OTS, under the Federal agency's National Highway Traffic Safety Administration (NHTSA), and to execute any necessary documents to accept the funding, effective upon execution, for the grant period October 1, 2023, through September 30, 2024, subject to review and approval as to form by County Counsel.
2. Delegate authority to the Director, or designee, to execute amendments to the California OTS grant awards and all related documents, to (a) extend the term; (b) adjust the scope, budget, or funding amount(s); and (c) reflect non-material and/or ministerial revisions to the grants' terms and conditions, subject to review and approval as to form by County Counsel, and notification to the Board of Supervisors (Board) and Chief Executive Officer (CEO).
3. Delegate authority to the Director, or designee, to establish an agreement with Perceptronics Solutions, Inc. for the provision of developing a Mobile Protocol App for EMS protocols to improve trauma care, effective upon execution for the period October 1, 2023, through September 30, 2024, with a maximum obligation of

- \$713,000 fully offset by the California OTS award allocation, and to execute future amendments to the Agreement to extend the term or increase or decrease funding with the maximum obligation not to exceed the budgeted California OTS award allocation, subject to review and approval as to form by County Counsel.
4. Delegate authority to the Director, or designee, to establish an Agreement with The Lundquist Institute (TLI) at Harbor-UCLA Medical Center (Harbor-UCLA MC), for the provision of Data Collection and Reporting services, effective upon execution for the period of October 1, 2023, through September 30, 2024, with a maximum obligation of \$697,226, fully offset by California OTS award allocation, and to execute future amendments to the Agreement to extend the term, or increase or decrease funding to the Agreement with TLI with the maximum obligation not to exceed the budgeted California OTS award allocation, subject to review and approval as to form by County Counsel.
 5. Delegate authority to the Director, or designee, to sign and accept any future OTS grant awards in amounts not to exceed \$2 million annually per grant, and execute future amendments to such grant awards to: (a) extend the term; (b) increase and/or decrease funding; or (c) reflect non-material and/or ministerial revisions to the grant's terms and conditions, subject to review and approval as to form by County Counsel and prior notification to the Board and CEO.
 6. Delegate authority to the Director, or designee, to enter into agreements with vendors named in any future California OTS grant awards, and execute future amendments to such Agreements to: (a) extend the terms; (b) adjust the scope, budgets and funding amounts with the maximum obligation not to exceed the grant award; (c) add, delete, and/or change non-substantive terms and conditions or make other changes as required by the Board, or to comply with Federal and State law or regulation, to any executed agreements, subject to review and approval as to form by County Counsel and prior notification to the Board and CEO.
 7. Delegate authority to the Director, or designee, to terminate the California OTS Agreements in accordance with the termination provisions within the Agreements.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

Background

The EMS Agency received a Notice of Award for the approval of two proposals submitted to the California OTS. The California OTS is a state office that receives funding for grants within the State of California from the Federal NHTSA. The California OTS grants are awarded to governmental agencies for projects that can enhance highway safety and post-crash trauma care within regions. The EMS Agency applied for the two grants to enhance the EMS Agency's overall emergency response capabilities and to support quality initiatives that enhance trauma care throughout LA County. Over the last 40 years,

the EMS Agency has developed a mature Trauma System, and therefore, the California OTS acknowledges that enhancing the Trauma System's ability to provide quality trauma care would have a great impact on all residents of LA County. Furthermore, the EMS Agency serves as the grant manager for these projects because of its role in designating oversight of all prehospital care, its role in the designation of all receiving centers including trauma centers, and its extensive history of working with the 88 cities and 70 receiving hospitals in LA County.

The California OTS grants will fund two projects: (1) Innovation through a Mobile application for EMS Protocols to include Just-In-Time Training to Improve Trauma Care and (2) Enhancement of the Los Angeles Trauma System through Health Data Exchange Benchmarking and Research

Project 1: Innovation through a Mobile application for EMS Protocols to include Just-In-Time Training to Improve Trauma Care (referred to as the Protocol Mobile Application)

The timely arrival of well-trained EMS personnel is a major factor ensuring an injured person receives the medical care they need to survive a crash or other injury, in fact, 20% of trauma deaths are preventable with optimal emergency and trauma care. This is especially critical in our rural communities of LA County, where response times are longer and EMS resources are more limited. After discussion with EMS Agency leadership and multiple stakeholders including paramedics, EMS provider agency administrators and medical directors, base hospital personnel, and other subject matter experts in electronic delivery of health information, the development of an interactive mobile application called the Protocol Mobile Application, which includes the EMS policies, treatment protocols, and medical control guidelines that could link rapidly to relevant guidance including the medication dosing mobile application, provide decision support, and Just-in-Time (JiT) training, was a critical need for the EMS system.

Based on feedback from the Provider Agency Advisory Committee, the EMS Agency received funding from the LA County Quality and Productivity Commission to create a mobile application version of the drug dosing MCG (MCG 1309 Color Code Drug Doses) that pre-calculates medication dosing so that paramedics can use the mobile application to avoid drug dosing errors in adults and children. The EMS Agency demonstrated a number of improvements when paramedics used the mobile application: (1) the overall dosing error was reduced by 4.5%, (2) paramedics felt more empowered to care for children with critical illness or injury, (3) paramedics felt that they had more time to spend with the patient and their families or caregivers, and 4) providing decision support improved the quality of care delivered in the out-of-hospital setting. The mobile application, which was developed with the support of Perceptronics Solutions, Inc., has continued to be used for patient care activities and thus provides a rapid source of real-time information that is used in clinical care. The Protocol Mobile Application project will build on previous work with the Color Code Drug Doses mobile application.

The proposed Protocol Mobile Application project relies on the existing and future resources of the EMS Agency, and its stakeholders, including TLI, to leverage technology to allow for efficient and safe utilization of policies and protocols, and to utilize data and data analytics to improve trauma care in LA County for all its residents, independent of age, socioeconomic status, and location.

Furthermore, when policies or protocols are changed, the EMS Agency sends Memorandums of Understanding to all 29 EMS provider agencies who must distribute information to the over 12,000 EMS personnel. There is a considerable delay in receiving and distributing electronic mail and training EMS personnel on the latest protocols. The development of the Protocol Mobile Application can alleviate this inefficiency by allowing for immediate access to the most current policies, treatment protocols, and medical control guidelines. Messages can also be pushed to EMS personnel to alert them of multi-casualty incidents in progress, as well as to areas of LA County with road closures.

Overall, the implementation of this Protocol Mobile Application, and the evaluation and research plan will have a tremendous impact on the day-to-day operations, including trauma care, and will provide a model for other EMS systems nationally. The development of the Protocol Mobile Application will allow for rapid access to policies, treatment protocols, and medical control guidelines at the point of care by paramedics. This Protocol Mobile Application will also provide decision support and JiT training for the enhancement of procedural competence. This project will ensure that regardless of the location of the injury, all healthcare providers independent of local resources will have the information they require to have rapid, effective EMS care to enhance the survivability of crashes and other injuries for all patients in LA County.

Project 2: Enhancement of the Los Angeles Trauma System through Health Data Exchange (HDE), Benchmarking, and Research (referred to as the HDE Enhancement Project)

Although significant progress has been made in documentation and data capture for patients with injury, outcome data are limited to those correctly triaged by EMS personnel to a Trauma Center; there is no current mechanism for capturing outcome data on all patients with injury presenting to the 70, 9-1-1 receiving centers in LA County. Only the 15 Trauma Centers submit outcome data through a manual process of data entry. Further, the collection of prehospital data at the hospital level is a manual process, which involves the download of a PDF copy of the EMS electronic Patient Care Record (ePCR) and subsequent upload to the hospital's Electronic Medical Record (EMR) system, typically as a static PDF file. Importantly, the scope of injury in LA County remains unknown, since the outcomes for patients with injuries not transported to a Trauma Center are not available.

The HDE Enhancement Project relies on the existing and future resources of the EMS Agency and its stakeholders, including TLI, to leverage data and data analytics to improve

trauma care in LA County for all its residents independent of age, socioeconomic status, and location.

The EMS Agency has received support from DHS leadership for funding of the HDE software from the American Rescue Plan or through Measure B funding. This funding for all hospitals and EMS provider agencies to implement the HDE provides an opportunity for the EMS Agency, TLI, and other stakeholders to develop a plan for leveraging the data to improve the quality of care throughout the EMS and Trauma System. The HDE Enhancement Project proposes to develop a parallel HDE Implementation Project with a data management plan to create Trauma Dashboards to be used by stakeholders in LA County and to develop and implement a data analytics plan that will inform injury prevention strategies for pedestrian and motor vehicle injuries within LA County. This project will utilize the emerging data capabilities and expertise of the EMS Agency with the expertise of TLI at Harbor-UCLA MC investigators to develop innovative strategies to utilize data for quality improvement, injury prevention, and research.

The HDE Platform is a Software-as-a-Service, which provides bi-directional, real-time data transfer of EMS-related information between the ePCR, and hospital EMR system. The platform automates data transfer, which enhances the communication of patient assessment, patient care, and treatment, allowing integration of ePCR data with hospital EMRs and increasing the visibility of EMS care to hospital clinicians. This will replace the current manual process of downloading a PDF copy of the ePCR by hospital personnel (i.e., print, scan, PDF) and uploading this to the EMR. It will increase efficiency, and accuracy and reduce redundant processes across the various Specialty Care Center designations through the elimination of data abstraction and data entry of EMS information by paramedic base hospitals and Trauma Centers. HDE enhances analytics capability to support performance improvement activities at a facility/EMS provider agency level as well as on a regional and LA Countywide level.

Recommendations

Approval of the first recommendation will allow DHS, on behalf of the EMS Agency to accept forthcoming Federal funding in the amount of \$1,716,468 for two grants from the California OTS through the Federal NHTSA for the Protocol Mobile Application project in the amount of \$1,015,566 and the HDE Enhancement Project in the amount of \$700,902, and to execute all other necessary documents.

Approval of the second recommendation will allow DHS to execute future amendments to the California OTS award and any related documents, extend the term and funding of the grant, and reflect non-material and/or ministerial revisions to the grant's terms and conditions, subject to review and approval as to form by County Counsel and notification to the Board and CEO.

Approval of the third and fourth recommendations will allow DHS to establish Agreements with TLI at Harbor-UCLA MC and Perceptronics Solutions, Inc., execute amendments to

extend the term and increase and/or decrease funding with the maximum obligation not to exceed the budgeted amount per the California OTS grant. The California OTS grant award will be used to accomplish the grant objectives and/or expand services required to support the EMS Agency's objectives as set forth in the California OTS award, subject to review and approval as to form by County Counsel.

Approval of the fifth recommendation will allow DHS to accept any future California OTS grant awards not to exceed \$2 million annually, execute all necessary award documents, extend the term, increase and/or decrease funding, and reflect non-material and/or ministerial revisions to the grant's terms and conditions, subject to review and approval as to form by County Counsel and prior notification to the Board and CEO.

Approval of the sixth recommendation will allow DHS to enter into an Agreement with vendors named in any future California OTS grant awards, extend the term, increase and/or decrease funding, and add, delete, and/or change non-substantive terms and conditions or make other changes as required by the Board, or to comply with Federal and State law or regulation, subject to review and approval as to form by County Counsel and notification to the Board and CEO.

Approval of the seventh recommendation will allow DHS to terminate the California OTS Agreement in accordance with the termination provisions within the Agreement.

Implementation of Strategic Plan Goals

The recommended actions support Strategy II.2 "Support the Wellness of Our Communities" and Strategy III.3, "Pursue Operational Effectiveness, Fiscal Responsibility, and Accountability" of LA County's Strategic Plan.

FISCAL IMPACT/FINANCING

Total funding request of \$1,716,468 for two grants is included in DHS' Fiscal Year 2023-24 Supplemental Budget Resolution request pending Board approval on October 3, 2023. DHS will request continued funding in future fiscal years, as needed. There is no impact to net County cost.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

In July 2023, the EMS Agency was notified by the California OTS of the intent to award two grants to LA County for the implementation of the Protocol Mobile Application and HDE Enhancement Project. The Protocol Mobile Application project will develop and implement an innovative solution to enhance the rapid availability of treatment protocols and JiT training for rarely performed but impactful critical procedures in prehospital and trauma care. The HDE Enhancement Project will provide an integrated data system that can revolutionize prehospital and injury care and serve as a model for other communities throughout California and the nation. The HDE Enhancement Project proposes to

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enhance this implementation and to capture and analyze the trauma outcomes for all patients within a large system to develop strategies for improvements in post-crash trauma care as well as a plan for injury prevention based on actual data of patient injuries and outcomes.

CONTRACTING PROCESS

Not Applicable

IMPACT ON CURRENT SERVICES (OR PROJECTS)

Approval of the recommended actions will allow the EMS Agency to continue to build and sustain EMS response capabilities, enhance, and support trauma prevention, and allow for improved services to EMS and healthcare partners in LA County.

Respectfully submitted,

Christina R. Ghaly, M.D.

Director

CRG: pt

c: Chief Executive Office
County Counsel
Executive Office, Board of Supervisors