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California Department of Motor Vehicles,
Research and Development Branch

March 6, 2019

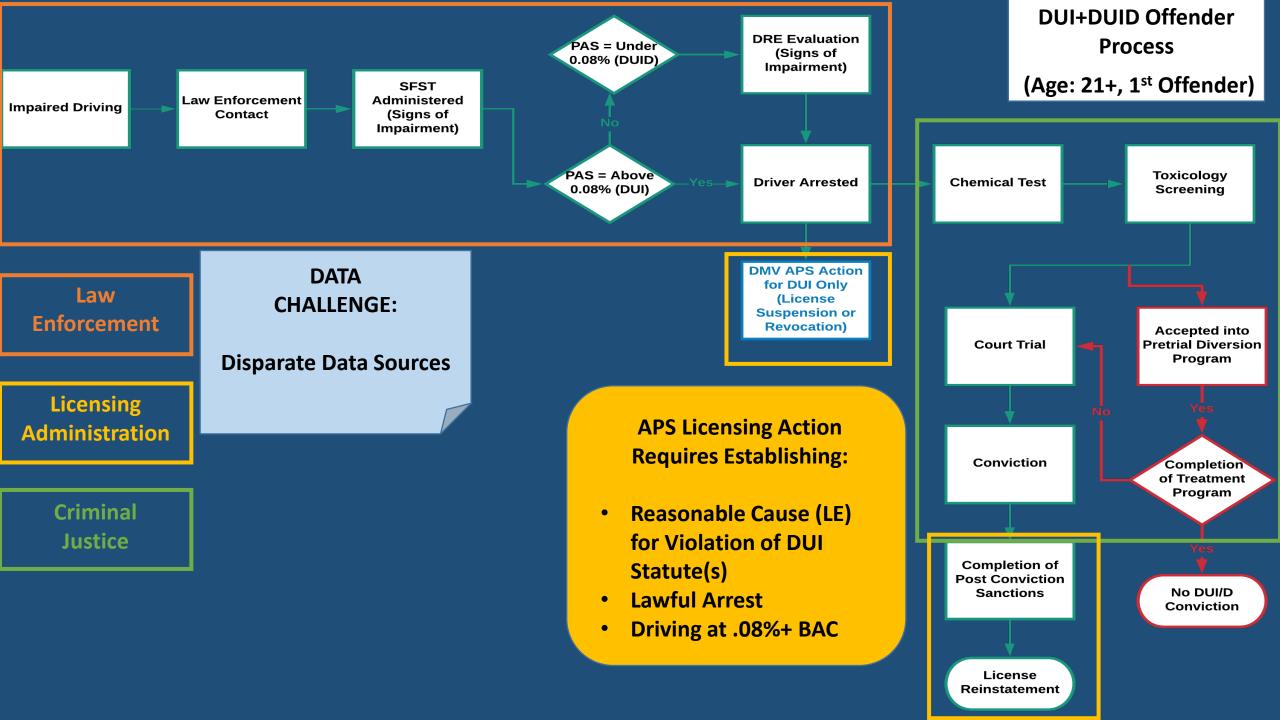
Presented to the Impaired Driving Task Force: Technology, Research, & Data Subcommittee



Overview



- DUI+DUID Offender Process
- Common Impaired Driving Outcome Metrics:
 - DUI+DUID Arrests
 - Alcohol- & Drug-Involved Crashes
- Impaired Driving Research: The Road Ahead





continued on reverse

AGE 21 AND OLDER OFFICER'S STATEMENT

A Public Service Agency	٥	alifomia Vehicie Code (C	VC) §§13353, 13353.1, 133	3.2 & 13389			Page 1
LAW ENFORCEMENT AGENCY CASE NUMBER	DETENTION/ARREST DA	ON/AREST DATE FOR DMY USE ONLY					
DRIVER NAME (LAST, FIRST, M.I.)			DRIVER LICENSE NUMBER	COM	WERCIAL? STATE	Arrest	Type
MAILING ADDRESS			L	STATE	ZIP CODE	For statistical p	urposes only. hat apply.
DATE OF BIRTH	SEX	HAIR	EYES	HEIGHT	WEIGHT	Alcohol U. Cannable	
LICENSE: Suspended/Revoked	Surrendered	(Attachad)	t in Possession	Unlicensed		Other Dru	
VIOLATION: 0.08% or more BAC	Chemical Test Results al (Complete Reverse	s 🔲 0.0	1% or more BAC (DUI S or other Chemical T	Probation)		more BAC (Comme	
VEHICLE: License Number or VIN			0 01 00101 01101111001 1	out the least to other	Trouble of the second		
Commercial Vehicl							
NARRATIVE: Describe in detail the fa		d circumstances th	at led to the stop or	contact with the	driver in Narrative	section on Page 2	of this form
Contact: On date: DRIVING:		rhing observed by	In City/County	nnloin Observati	ion/Arrost sociion	, the above drivery	as contacted
Admission of Driving:		- ,				on Page 2)	
(If driving not observed by What time did you stop do		driving/collision did	you wait for law enforce	ement to arrive?	Driver Response:		
ARREST OR DETENTION STATEMEN							
under the influence. The driver was law on Page 2, on date						the Observation/A	rrest se tio
on Page 2, on date///	atat	atery eyes Odo	or violation of CVC §§ r of alcoholic heverage	23152, 23153, or	23154. It Skurred sneen	h DAS results (c	nemlata halow
Other:	iote. 🗀 biocasiloswi	, , _	☐ This officer ☐ A		_	III C PAO lesuits (c	omplete below
	PRELI		HOL SCREENING			DUI Probation: Requir	ed.
Driver submitted to and completed a P	AS test with the result	s of:		(,	Always c	DUI Probation: Requir Non-DUI Probation: Opt omplete section if PAS re	ionai. sults available
Test 1% BAC on/_	/ at	AM	Test 2	% BAC on	_lla		AM
OFFICER CERTIFICATION: I certify	under penalty of perjui	ry under the laws of	the State of California	that: (1) Lobtain	ned the above PAS	test results in the re	gular course
of my duties, (2) I used PAS Model	(Name/Number)		1	Serial#		, Manu	factured by
training on the proper operation of this	., (3) I administered : device and administral						
properly at the time of the test.							
Date / / Signature	. X		Badge/ID Number		Agcy/Div		
Breath Test Results:		CHEMICA	AL TEST		Atta	ch copy of the results,	if available.
Test 1 % BAC on// 8	tRM Ter	t 2% BAC o	n/ l at	AM Test	3% BAC on	// at	
BREATH TEST MACHINE OPERATO results were obtained in the regular co requirements of Title 17 of the Californ	R CERTIFICATION: ourse of my duties. I fu	I certify under pen urther certify that I	alty of perjury under t	he laws of the St	ate of California, tha	at the above breath	test sample
Date / / Signature	X		Badge/ID Number		Agcy/Div		
BLOOD TEST RESULTS: Blood test of	n date: /	/ at	□ AM □ PM				
URINE TEST RESULTS: First void on		/ at	□AM	st on date:	1 1	at	□ AM
certify under penalty of perjury, under th					Officer's Statement in		
EXECUTED ON: Date /		Sumoniu, siat sie in	ornalon contained or		Dilloor o Guatornone	o and dild dollade.	
OFFICER'S PRINTED NAME	/ in City		BADGE/ID NUMBER	County	TELEPHONE NU	MBER	
AGENCY		_	AREA		ODURT CODE (A	LINKNOWN, COURT NAME,	
I did did not personally serve	a copy of the Order of	Suspension/Revoc	ation to the driver.				
Date / / Signatur	e of Arresting Officer	X					
ORDER SERVED BY ANOTHER OFF	ICER: If order was ser	ved on driver by an	other Officer have the	nat officer comple	te this section.		
I personally served a copy of the ord Date Serving	ler to the driver on the Officer's Printed Nam		ow: Badge/ID Number	Sinnah-ra	Of Serving Officer		
l I .	Omoer's Frinted Nam	e	pandeun willing.	Signature X	Or Serving Officer		

ng: Data Gaps



Revised DS-367 Form

Arrest Type

For statistical purposes only. Check all that apply.

	A	co	h	ol	IJ	se
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Cannabis Use

Othe	r D	rug	Use

Overview



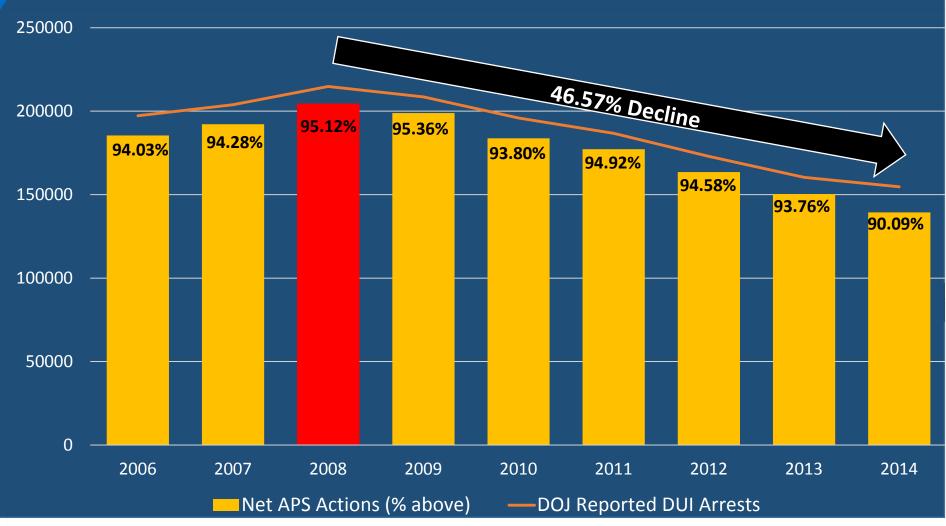
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DUI+DUID Arrests

DATA
CHALLENGE:
Outcome
Measure
Definition(s)

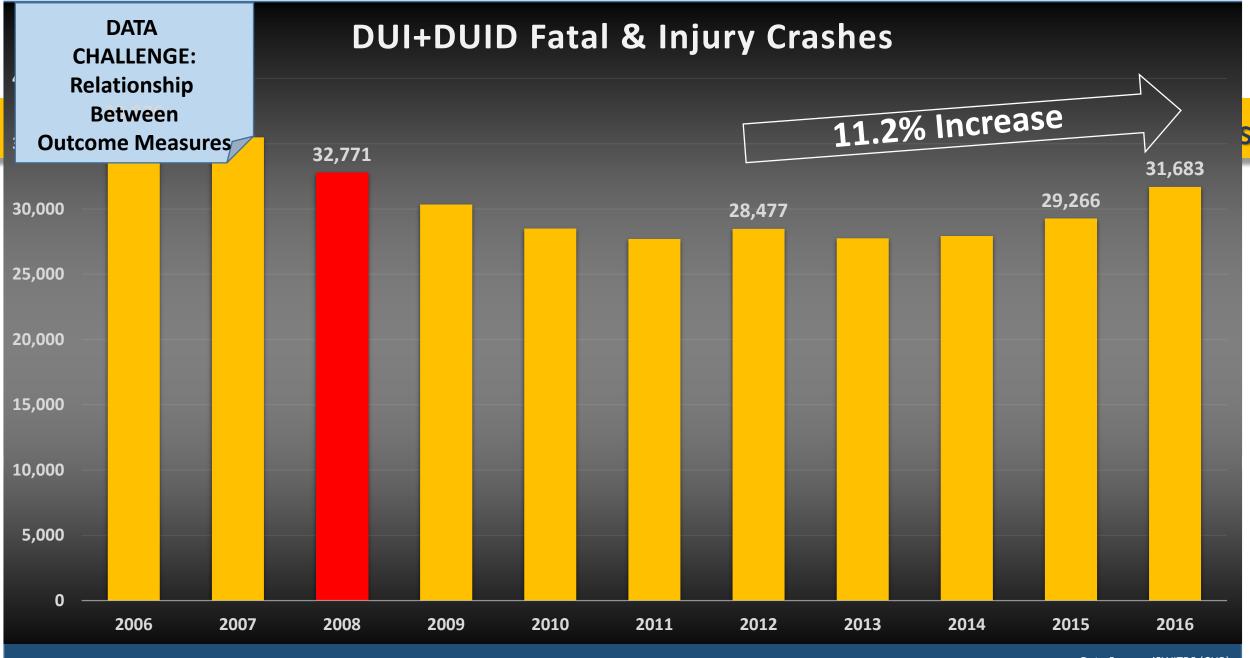




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Data Source: iSWITRS (CHP)



Impaired Driving Research: The Road Ahead

ory



etter | Published: 27 February 2019

Complete biosynthesis of cannabinoids and their unnatural analogues in yeast

Xiaozhou Luo, Michael A. Reiter, Leo d'Espaux, Jeff Wong, Charles M. Denby, Anna Lechner, Yunfeng Zhang, Adrian T. Grzybowski, Simon Harth, Weiyin Lin, Hyunsu Lee, Changhua Yu, John Shin, Kai Deng, Veronica T. Benites, George Wang, Edward E. K. Baidoo, Yan Chen, Ishaan Dev, Christopher J. Petzold & Jay D. Keasling

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Insights



Increases in Data
Quality



Questions

Data Challenges Summary:

- Disparate Data Sources
- Outcome Measure Definition(s)
- Relationship Between
 Outcome Measures

