ToxIC Data Collection Form Version 1.0 NATURAL TOXIN PLANTS SUB REGISTRY (Effective Data 1/1/2017)

	clC Member Site:ient Code (Unique Case Code per Site):	Institution:
PLA	NT INFORMATION	
	e of Plant - Please select the plant group on nation into the 'Other Plants' text field, inclu	(I-XVI) and name from the list below. If not listed then please enter uding if multiple agents w/in single group.
I.	Anticholinergic: Solanum Americanum (American Nig Solanum dulcamara (Bittersweet or V Solanum nigrum (Black nightshade o Datura stramonium (Jimson Weed)	Voody Nightshade)
II.	Nicotine-like alkaloid plants: Lobelia inflata Cytisus scoparius (Broom) Caulophyllum thalictroides (Blue Coh Cytisus laburnum (Laburnum, Golder Conium maculatum (Poison hemlock	n chain)
III.	Psychotropic plants: □ Ipomoea spp. (Morning Glory) □ Lophophora williamsii (Peyote Cactus □ Argyreia nervosa (Hawaiian Baby Wo	
IV.	Pyrrolizidine alkaloids: □ Heliotropium sp.; □ Senecio sp.; □ Crotalaria sp.;	Fill in species, if known: Fill in species, if known: Fill in species, if known:
V.	Berberine plants: Sanguinaria Canadensis (Blood Root Hydrastis Canadensis (Goldenseal) Mahonia sp (Oregon Grape); Berberis spp. (Barberry);	Fill in species, if known:Fill in species, if known:
VI.	Swainsonine plants: Swainsonia canescens Astragalus lentiginosis (Spotted Loco Sida carpinifolia	weed)
VII.	Cardiac glycosides: Digitalis lanata Digitalis purpurea Urginea sp. (squill); Convallaria majalis (Lily of the Valley) Nerium oleander (Oleander) Daphne odora Thevetia peruviana (Yellow Oleander) Apocynum cannabinum (Dogbane) Urginea maritime (Red Squill) Helleborus niger (Hellebore) Cerbera manghas (Sea Mango)	

VIII.	Cyanogenic plants: Prunus spp. Manihot esculenta (Cassava)	Fill in species, if known:		
IX.	Other glycosides: Atractylis gummifera Xanthium strumarium (Cockleburr)			
X .	Terpinoids: □ Piper methysticum (Kava) □ Artimesiua absinthium (Wormwood) □ Illicium verum (Chinese Star Anise) □ Pteridium aquilinum (Bracken Fern) □ Mentha pelugium (Pennyroyal) □ Myristica fragrans (Nutmeg)			
XI.	Protein toxins: □ Abrus precatorius (Jequirity Pea) □ Ricinus communis (Castor Bean) □ Phytolacca Americana (Pokeweed)			
XII.	Phenol toxins: □ Karwinskia humboldtiana (Buckthorn □ Larrea tridentate (Chaparral)	n)		
XIII.	Alcohol toxins: □ Cicuta maculate (Water Hemlock) □ Cicuta douglasii (Western Water He □ Oenanthe crocata (Hemlock Water I			
XIV.	Sodium channel effectors: Aconitum sp.; Delphinium sp.; Veratrum viride Zigadenus sp (Death Camus) Taxus baccata Taxus brevifolia (Pacific Yew) Rhododendron sp. Azalea sp.; Kalmia sp.; Leucothoe sp.;	Fill in species, if known: Fill in species, if known: Fill in species, if known:		
XV.	Mitotics: □ Cochicum autumnale (Autumn Croc □ Podophyllum peltatum (Mayapple)	us)		
XVI.	Others: □ Gelsemium sempervirens (Yellow Je	essamine)		
	Plants: e enter the genus species if not contained	d in the group lists above:		
LOC	ATION & MONTH			
Pleas	se enter the zip code where the pla	nt was picked or purchase	d:	
Pleas	se enter the month when the plant v	= =	- Ostobor	
	□ January□ February□ May□ March□ June	□ July □ August □ September	OctoberNovemberDecember	

PATIENT INFORMATION Past Medical History (Check all that apply): □ None □ Asthma □ Diabetes Mellitus □ Hypertension □ Liver disease □ Renal disease □ Chronic N/V/D □ Seizures/epilepsy □ Neuromuscular disorders (cause weakness) □ Other (Specify ______) □ Yes □ No Unknown Allergies: If yes, please specify: ___ **List Current Medications: INGESTION HISTORY Location Obtained/Intent** □ Foraging with intention to eat □ Home or vard. Exploratory behavior □ Unknown □ Garden (purposeful growth for eating) □ Herbal/supplement use □ Picked from ground, recreational, with intent of euphoria or hallucinations □ Purchased, recreational, with intent of euphoria or hallucinations If purchased, what form? Capsule □ Powder □ Plant material □ Other form purchased (Specify form: □ Unknown form purchased □ Unknown If the plant was picked, where was the plant found? □ In yard/home landscaping □ Wooded area/forest □ In field / meadow □ Side of the road □ Other (Specify other location picked: _____) □ Not applicable □ Unknown Was the history of natural toxin/plant ingestion confirmed? Yes □ No If yes, then how? □ Botanist/plant expert/master gardener identified - indicate method used □ Uneaten plant material □ Partially eaten plant material By digital photographs □ By description over the phone □ Identified plants in the area of foraging that match description Based on patient symptoms and known plants in the area □ Unknown method □ Medical toxicologist identified - indicate method used Uneaten plant material □ Partially eaten plant material By digital photographs □ By description over the phone □ Identified plants in the area of foraging that match description Based on patient symptoms and known plants in the area □ Unknown method Chemical evaluation of plant material □ Patient describes foraging for a plant w/ similar physical characteristics (e.g. patient was foraging for wild carrot and developed seizures and notes that the plant appeared

different from previously foraged carrot - plant was presumably a water hemlock)

Patient identified plant from pictures

How was the plant prepared?	□ Eaten raw					
	□ Cooked					
	□ Other (Specify how plant prepared:)					
If cooked, eaten how?	□ Alone					
, , , , , , , , , , , , , , , , , , , ,	 Mixed with other foods 					
	□ Other (Specify how plant eaten:)					
lf mi	Unknown					
II miz	xed w/ food, what food (e.g. salad, soup, etc)?					
	ne patient intending to pick/eat?					
CLINICAL INFORMATION - EXPOSI	JRE					
Mile of mant of the miles to and become	all did the matient in marks Colored them and an arrangement and write					
What part of the plant and now muc	ch did the patient ingest? Select then enter numeric estimate and unit e or mass:					
□ Stem – Estimate the length	of stem or mass:					
□ Leaves – Estimate the num	nber of leaves or mass:					
	mber of flowers or mass:					
□ Unknown						
Time from ingestion to presentation	n to healthcare facility (in hours):					
	- 10 House (as in) (iii House).					
CLINICAL INFORMATION (Initial sy	mptoms and time of onset after ingestion)					
Nausea	□ No □ Unknown					
	er ingestion did nausea begin?					
How long (in hours) did nause	ea last (initiation to resolution)?					
Vamiting - Van	- No - University					
Vomiting Yes If yes, how long (in hours) after	□ No □ Unknown er ingestion did vomiting begin?					
How many vomiting episodes						
	·					
Diarrhea	□ No □ Unknown					
How many diarrhea episodes	er ingestion did diarrhea begin? in the first day?					
Tiow many diamica episodes	in the met day:					
Excess salivation	□ No □ Unknown					
	er ingestion did excess salivation begin?					
How many excess salivation of	episodes in the first day?					
Dry mouth Yes	□ No □ Unknown					
	er ingestion did dry mouth begin?					
	outh in the first day?					
Lightheadadnead/aynaena – Va	es 🗆 No 🖂 Unknown					
Lightheadedness/syncope	es No Unknown er ingestion did syncope begin?					
	ope last (initiation to resolution)?					
Abdominal pain	□ No □ Unknown					
	er ingestion did abdominal pain begin?					
riow iong (in nours) did abdor	minal pain last (initiation to resolution)?					
Bradycardia	□ No □ Unknown					
If yes, how long (in hours) after	er ingestion did bradycardia begin?					
How long (in hours) did brady	cardia last (initiation to resolution)?					
Tachycardia	□ No □ Unknown					
	er ingestion did tachycardia begin?					
	cardia last (initiation to resolution)?					

Hypotension
If yes, how long (in hours) after ingestion did hypotension begin? How long (in hours) did hypotension last (initiation to resolution)?
riow long (in riodio) and hypoteriological data (initiation to resolution):
Hypertension Yes No Unknown
If yes, how long (in hours) after ingestion did hypertension begin?
How long (in hours) did hypertension last (initiation to resolution)?
Hyperthermia
If yes, how long (in hours) after ingestion did hyperthermia begin?
How long (in hours) did hyperthermia last (initiation to resolution)?
Hallucinations
If yes, how long (in hours) after ingestion did hallucinations begin?
How long (in hours) did hallucinations last (initiation to resolution)?
CNS depression
If yes, how long (in hours) after ingestion did CNS depression begin? How long (in hours) did CNS depression last (initiation to resolution)?
riow long (in riours) and cives depression last (initiation to resolution):
Agitation
If yes, how long (in hours) after ingestion did agitation begin?
How long (in hours) did agitation last (initiation to resolution)?
Confusion/AMS
If yes, how long (in hours) after ingestion did confusion begin?
How long (in hours) did confusion last (initiation to resolution)?
Seizure
How many seizures?
Muscular weakness Yes No Unknown
If yes, how long (in hours) after ingestion did muscular weakness begin?
How long (in hours) did muscular weakness last (initiation to resolution)?
Fasciculations
If yes, how long (in hours) after ingestion did fasciculations begin?
How long (in hours) did fasciculations last (initiation to resolution)?
Muscle spasm
If yes, how long (in hours) after ingestion did muscle spasm begin?
How long (in hours) did muscle spasm last (initiation to resolution)?
Motor neuropathy ☐ Yes ☐ No ☐ Unknown If yes, how long (in hours) after ingestion did motor neuropathy begin?
How long (in hours) did motor neuropathy last (initiation to resolution)?
Paralysis Yes No Unknown
If yes, how long (in hours) after ingestion did paralysis begin?
How long (in hours) did paralysis last (initiation to resolution)?
Miosis
If yes, how long (in hours) after ingestion did miosis begin?
How long (in hours) did miosis last (initiation to resolution)?
Muduicaio – Voo – No – No – Urbrania
Mydriasis □ Yes □ No □ Unknown If yes, how long (in hours) after ingestion did mydriasis begin?
How long (in hours) did mydriasis last (initiation to resolution)?

Dry skin □ Yes □ No □ Unknown If yes, how long (in hours) after ingestion did dry skin begin? How long (in hours) did dry skin last (initiation to resolution)?	
Diaphoresis □ Yes □ No □ Unknown If yes, how long (in hours) after ingestion did diaphoresis begin? How long (in hours) did diaphoresis last (initiation to resolution)?	
Rhabdomyolysis	
Liver toxicity	
Renal toxicity	
Alopecia	
Any Other Symptoms? □ Yes □ No	
Other symptoms #1 - Please specify: If yes, how long (in hours) after ingestion did this symptom begin? How long (in hours) did this symptom last (initiation to resolution)?	
Other symptoms #2	
Other symptoms #3	
Other symptoms #4	

DIAGNOSTICS (Please indicate if the following diagnostic tests were conducted)

WBC:		e 🗆	Done - Not A	Available
	Initial (cells/mL); If Abnormal, Peak (cells/ml At Discharge (cells/mL)	_); Time to Pe	eak (h)	; Time to Normalization (h);
Hemo	oglobin: □ Done □ Not Don Initial (g/dL);	е 🗆	Done - Not A	Available
	If Abnormal, Peak (g/dL); T At Discharge (g/dL)	ime to Peak	(h); Tir	me to Normalization (h);
Platele	let count: Done Done Not Don Initial (1000 platelets/mcL		Done - Not A	Available
	If Abnormal, Peak (10 ³ /mo		Peak (h)	_; Time to Normalization (h)
AST:	□ Done □ Not Don Initial (IU/L);	e 🗆	Done - Not A	Available
	If Abnormal, Peak; Time to At Discharge (IU/L)	Peak (h)	; Time to N	Normalization (h);
ALT:	□ Done □ Not Don Initial (IU/L);	e 🗆	Done - Not A	Available
	If Abnormal, Peak (IU/L); T At Discharge (IU/L)	ime to Peak	(h); Tin	ne to Normalization (h);
INR:	□ Done □ Not Don Initial;	e 🗆	Done - Not A	Available
	If Abnormal, Peak; Time to At Discharge	Peak (h)	; Time to N	Normalization (h);
T bili:	: □ Done □ Not Don Initial (mg/dL);	e 🗆	Done - Not A	Available
	If Abnormal, Peak (mg/dL); At Discharge (mg/dL)	Time to Pea	k (h); 1	Fime to Normalization (h);
CPK:	Initial (IU/L);		Done - Not A	
	If Abnormal, Peak (IU/L); T At Discharge (IU/L)	ime to Peak	(h); Tin	ne to Normalization (h);
Cr:	□ Done □ Not Don Initial (mg/dL);	e 🗆	Done - Not A	Available
	If Abnormal, Peak (mg/dL); At Discharge (mg/dL)	Time to Pea	k (h); ٦	Fime to Normalization (h);
Potas	ssium: Done Not Don Initial (mEq/L);	e 🗆	Done - Not A	Available
	If High, Peak (mEq/L); Time At Discharge (mEq/L)			
	If Low, Nadir (mEq/L); Time At Discharge (mEq/L)	e to inadir (h)	; IIMe	to inormalization (n);
GFR:	□ Done □ Not Don Initial (mL/min);	e 🗆	Done - Not A	Available
); Time to Pe	ak (h);	Time to Normalization (h);

Lactate: Done Done Done Done - Not Available
Initial (mEq/L); If Abnormal, Peak (mEq/L); Time to Peak (h); Time to Normalization (h); At Discharge (mEq/L)
Digoxin concentration: □ Done □ Not Done □ Done - Not Available Initial (ng/mL); If Abnormal, Peak (ng/mL); Time to Peak (h); Time to Normalization (h); At Discharge (ng/mL)
ECG: Done Not Done Done - Not Available If done, please indicate the following QRS widening? Yes No If yes, Please fill in maximum length (ms) How long (in hours) after ingestion did this symptom begin? How long (in hours) did this symptom last (initiation to resolution)? Was sodium bicarbonate bolus given? Yes No Unknown If yes, what dose (initial bolus): Did the QRS narrow? Yes No Unknown If yes, what was the repeat QRS length (in ms)
AV Block?
QTc widening? Yes No Unknown If yes, Please fill in maximum length (ms) How long (in hours) after ingestion did this symptom begin? How long (in hours) did this symptom last (initiation to resolution)?
Tachydysrhythmia?
Were confirmatory toxin concentrations measured? Yes - Available Yes - Not Available No Unknown
Digitoxin: Done Done Done Done Done - Not Available Initial (ng/mL); If Abnormal, Peak (ng/mL); Time to Peak (h); Time to Normalization (h); At Discharge (ng/mL)
Other diagnostic information or comment:

INITIAL TREATMENT TO DECREASE	E TOXIN A	ABSOR	PTIO	N (<i>F</i>	Pleas	e indic	ate any ti	nat	apply)
Activated charcoal If yes, enter dose	□ Yes		No			Unkno	wn		
IPECAC If yes, was plant product for	□ Yes		No			Unkno			
Whole bowel irrigation (WBI) If yes, was plant product for lif yes, enter the volume of life.	und in the		Yes		No		Unknown		
Multiple dose activated charcoal If yes, enter: Dose (g): Number of doses:									
Additional Treatment									
Did the patient require IV fluid boluses?	•	Yes		□ N	0		Unknown		
Did the patient require inotropes or vas If yes, specify agent (Check all that Norepinephrine Epinephrine Dopamine		s? □ Ye	es	□ N	0		Unknown		
□ Other (Specify other type □ Combination (Specify co									
Did the patient require antihypertensive	s?	Yes		□ N	0		Unknown		
Did the patient require antiemetics?	Е	Yes		□ N	0		Unknown		
Did the patient require physostigmine? If yes, did the physostigmine revers What initial dose was admin What total dose was admin	se the antirnistered?		nic tox	icity?	' _□ '	Yes	Unknown		Unknown
Did the patient require digoxin-specific If yes, did the digoxin-specific Fab □ Yes □ No □ Unknow What initial dose was admin	fragments /n nistered? _	reverse	the gly	ycos	ide to	oxicity?	No		Unknown
Did the patient require medications to do the set of th	S								Unknown
Did the patient require atropine for brac	lycardia?			□ Ye	es		No		Unknown

FOLLOW UP Please list any long-standing											
Did the patient die?	□ Yes	□ No		Unknown							
Did the patient require intuba	ation?□ Yes	□ No		Unknown							
Total time in ICI Total time admi □ Admitted to ward bed Total time admi □ Other (Specify other	tted (in hours)? l tted (in hours)?					_)					
PATIENT COURSE Disposition: □ Discharge. Please el □ Admitted to the ICU		ED (in hours)?									
HD length (days)? Continuous renal replacement. Continuous renal replacement length (days)? Other (Specify other type of renal replacement therapy) Other renal replacement length (days)?											
Was renal replacement thera If yes, type of renal rep □ HD HD lengt	lacement therapy		_ `	Yes	□ No		Unknown				
□ Unknown Was clearance measur	enal replacement	□ No									
Were any of the following meds used to treat seizures? Benzodiazepines Other (Specify other meds for seizures Was renal replacement therapy used to clear the toxin? Yes No											
	fy other meds for)					