



Incident History Database (IHDB)

SAR Controllers Workshop 2022

April 26 – 28, 2022

ERT, Inc.

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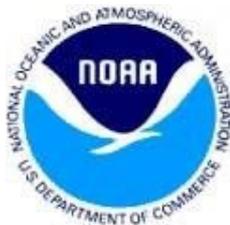




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IHDB Overview

- Contains records for beacon activations in the US service area
 - Records are created automatically when alert sites close (beacon stops transmitting, or closed upon request)
 - Records are:
 - Populated by US RCC Controllers
 - Populated by USMCC Controllers (for SPOCs)
 - Checked by USMCC Controllers and USMCC operations staff
- Is maintained by NOAA
- Provides historical data on why beacons activated



Uses of IHDB Information

Resource for:

- RCC Controllers for previous activation history
- NOAA reporting (daily, weekly, quarterly, and annually)
- Comprehensive annual report to COSPAS-SARSAT
- US Coast Guard and US Air Force reports
- Ongoing research
 - Ensuring beacon reliability – reported at annual Beacon Manufacturers Workshop
 - Identifying repeat offenders (to reduce false alerts)
 - RGDB accuracy
 - Additional topics (e.g., further analysis of MEOSAR uncorroborated alerts)



Importance of Accurate IHDB Data

- Distress activations are reported to U.S. government entities, Cospas-SARSAT, and the general public through the brief narratives created in the Public Release Information (PRI) field in the IHDB's Case Summary section
- Clarity and accuracy are of great importance when reporting all activations, especially those with an incident outcome of "Distress." PRI for all distress cases (saves and non-rescues) is reported daily to SARSAT management; saves are reported weekly to a broader distribution and appear on the public web page SARSAT U.S. Rescues Map (<https://www.sarsat.noaa.gov/sarsat-us-rescues>)
- When RCC Controllers enter clear data in the IHDB, the USMCC can compose accurate PRI without needing to contact the RCC for more information or to clarify details



Website Features

- User Account Creation
- RCC Intro Page
- Alert Site Search Page
- False Alert Selection Guidance
- Position Data Timeline
- Position Data Map
- Automatic Email Reminders Requesting Feedback
- Password Self Reset



Website Features – User Account Creation

New users can set up an account for their RCC’s account manager to activate.

Log In

USMCC Incident History Database

United States Mission Control Center Incident History Database (IHDB)

Use your email and password to log in.

Log In

[Forgot Password](#)

U.S. Government Website Warning

This is a United States Department of Commerce computer system, which may be accessed and used only for official Government business by authorized personnel. Unauthorized access or use of this computer system may subject violators to criminal, civil, and/or administrative action.

All information on this computer system may be intercepted, recorded, read, copied and disclosed by and to authorized personnel for official purposes, including criminal investigations. Access or use of this computer system by any person, whether authorized or unauthorized, constitutes consent to these terms.

Account Setup

The IHDB is for authorized SAR users only. Click below to set up an account. You will be notified after you are approved for access to the system.

Set Up



Website Features – RCC Intro Page



The initial login page displays your RCC's unassigned records. The link to the alert site search page is **circled**.

Filtering

USMCC Incident History Database

SAR_USER@NOAA.GOV | Log out

My Work OTHER/NOAA **Search** Reports Account

Showing incomplete incidents for your SRR: OTHER/NOAA. Select a row to preview the site. Click the site number to complete feedback form (opens in a new window).

Site Number ^	Beacon ID ^	First Detected ^	Site Closed ^	Site Status ^	Outcome	Reg
59285	ADCD408E540034D	2022-02-27 23:49:25.0	2022-03-01 11:50:22.0	Composite	(Unassigned)	
59303	1D0C810DE8FFBFF	2022-02-28 03:15:47.0	2022-03-01 09:50:16.0	Composite	(Unassigned)	
59481	2DCC903060FFBFF	2022-03-01 01:59:20.0	2022-03-01 08:00:09.0	Unlocated	(Unassigned)	
59500	2DC869289EFFBFF	2022-03-01 05:37:13.0	2022-03-01 07:38:08.0	Composite	(Unassigned)	
59440	9C48D0D034D34D0	2022-02-28 22:22:59.0	2022-03-01 06:53:53.0	Composite	(Unassigned)	
59479	2DCE722264FFBFF	2022-03-01 02:38:06.0	2022-03-01 04:39:41.0	Unlocated	(Unassigned)	
59456	2DCE8BCE4FFBFF	2022-02-28 23:59:59.0	2022-03-01 02:01:30.0	First Alert	(Unassigned)	
59432	DB46497E75C0D91	2022-02-28 03:30:44.0	2022-02-28 22:33:12.0	Composite	(Unassigned)	
59215	9C48D0D034D34D0	2022-02-27 14:07:59.0	2022-02-28 22:11:12.0	Composite	(Unassigned)	
59406	2DCE8BCE4FFBFF	2022-02-28 17:55:06.0	2022-02-28 20:10:55.0	Composite	(Unassigned)	
59385	1F0C810DFCFBFF	2022-02-28 15:34:24.0	2022-02-28 17:38:45.0	First Alert	(Unassigned)	
59369	2BE61840ACFFBFF	2022-02-28 13:15:19.0	2022-02-28 15:20:36.0	Composite	(Unassigned)	



Website Features – Alert Site Search Page

Site Number

Beacon ID

Site Status

- Unlocated
- First Alert
- Position Conflict
- Composite

Beacon Type

Beacon Registration Type

General Location

Center Lat
Center Lon
Radius (km)

SRR Name

- Primary Only
- No

Outcome

- Distress
- Non-Distress
- Ceased/Undetermined
- Linked Site
- (Unassigned)

Time Site Closed

Time First Detected

Case Number

Beacon Registration

- Beacon Registered

Sort by

- Descending
- Ascending

[Reset](#)

Page Size

Site Number	Beacon ID	First Detected	Site Closed	Site Status	Outcome	Reg
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Website Features – False Alert Selection Guidance



A link is provided to help users select the correct activation reason.

← Prev **Back To Search Results** **Enter Feedback for 68273** Next →

Primary/Defining Data

Site Number	68273	Site Status (when closed)	First Alert
Beacon ID	E55C4D2481CA9B2	SRR (when closed)	PACAREA (366F)
Time First Detected	2022-04-15 04:40:00.0		

Feedback Information
*Required

*Incident Outcome	<input type="radio"/> Distress <input type="radio"/> Non-Distress <input type="radio"/> Ceased/Undetermined <input type="radio"/> Linked Site	*Assigned SRR	TRMCC
*Incident Type	<input type="radio"/> Aviation <input type="radio"/> Maritime <input type="radio"/> Terrestrial <input type="radio"/> Unknown	Vehicle Type	- Select One -
		*General Location	- Select Location -
		Actual Latitude (DD MM.mXX)	
		Actual Longitude (DD MM.mXX)	
		How Actual Location Determined	- Select One -

Case Result

*Activation Reason	<input type="text" value="Examples of Operational False Alerts 0"/>	Number Rescued	<input type="text"/>
Activation Comment	<input type="text"/>	Number In Distress	<input type="text"/>
		RCC Incident/Mission/Case Number	<input type="text"/>
		Case Time (yyyy-MM-dd HH:mm)	<input type="text"/>

Website Features – False Alert Selection Guidance



Operational False Alerts	<h2>Operational False Alerts</h2>
Beacon Mishandling	Below are example reasons for a false alert.
Installation	
Testing/Maintenance	Beacon Mishandling (resulting in an unintended activation)
Usage	False Alert - Beacon Mishandling - Improper installation
Disposal	<ul style="list-style-type: none">Exposed to sea action or ship's work, beacon activated by sea spray or wave, crewman bumped beacon, equipment struck beacon, beacon installed upside down, improperly placing beacon into bracket.
Beacon Malfunction	Back
Switch	
Water Intrusion	False Alert - Beacon Mishandling - Improper testing and maintenance
Test	<ul style="list-style-type: none">Failure to follow proper testing procedures, negligence, poor beacon testing instructions, aircraft in situ test. Inspection by authorised inspector: accidental activation during vessel equipment inspection.
Electronics malfunction	<ul style="list-style-type: none">Repair by owner (usually unauthorised) or authorised facility: causing damage to beacon, activation during battery change, changing of hydrostatic release while servicing beacon.
Mounting Failure	<ul style="list-style-type: none">Improper removal from bracket: inspection, test, cleaning, or safe keeping without switching off.
Strap or bracket failure	<ul style="list-style-type: none">Beacon shipped to / by retailer, owner, repair facility (in transit): shipped while armed, improperly packed, improperly marked, rough handling.
Release mechanism malfunction	<ul style="list-style-type: none">Maintenance of craft: mechanical, electronic, wash down, painting, winterization.
Magnet	<ul style="list-style-type: none">Beacon stored improperly: stored while armed.
Environmental Conditions	Back
Maintenance Activations	
Voluntary Activations	
Non-Declared Tests	
Malicious Activations or Hoax	
Unknown	

Website Features – False Alert Selection Guidance



Recently added false alert reasons:

- Maintenance Activations
 - **Intentional activation** for testing purposes by a person performing maintenance
- Voluntary Activations
 - Non-declared tests
 - Activations of a beacon for testing, without proper notification or agreement of authorities (other than by a person performing maintenance)
 - Malicious activations, hoaxes

Website Features – Registration Information Accuracy Improvement



Registration Information Usage and Accuracy

*Registration Information Usage

- Not Used
- Contributed to Case Resolution
- Primary Means to Resolve Case

*Owner Information Accuracy

- Accurate
- Not Accurate
- Unverified

*Emergency Contact Information Accuracy

- Accurate
- Not Accurate
- Unverified

*Vessel/Aircraft/Usage Information Accuracy

- Accurate
- Not Accurate
- Unverified

Comments on Registration Information

Registration information allowed responding authorities to determine who was on the vessel and contributed to case response.

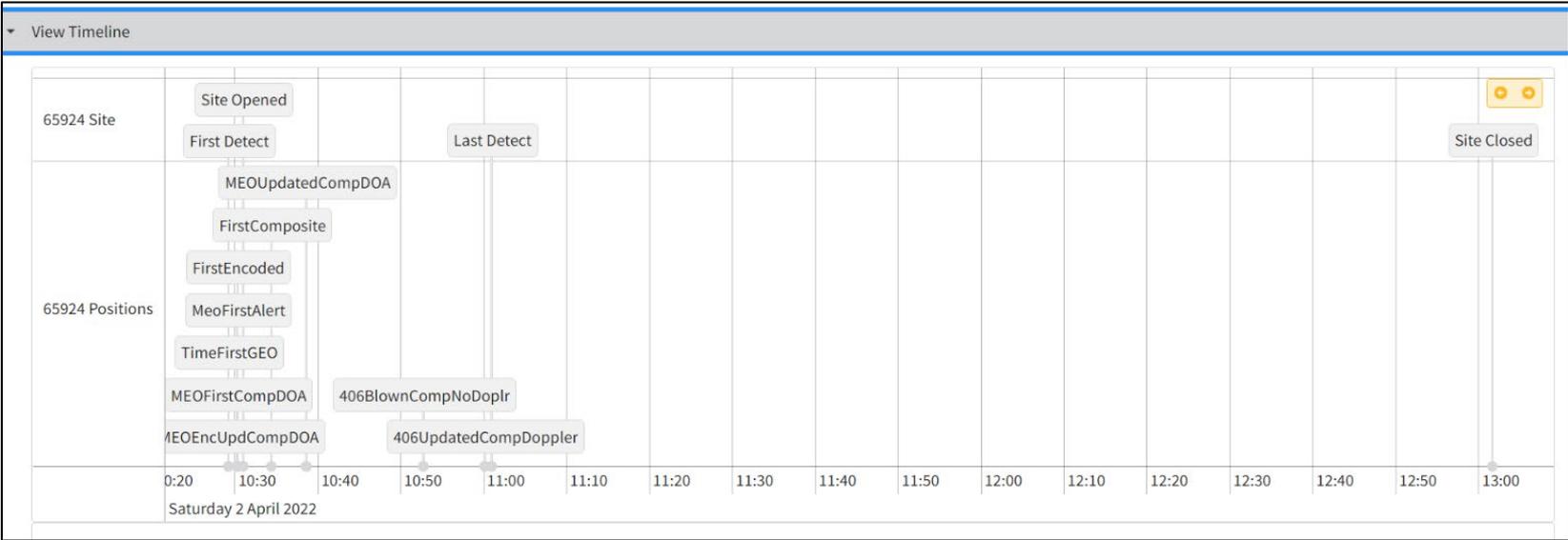
List inaccurate registration information with corrections below; NOAA will attempt to follow up.



Comments should include information about what registration information is inaccurate. If accurate information is received while working the case, please include that information here. The USMCC's RGDB staff will follow up with beacon owners to correct inaccurate registrations.



Website Features – Position Data Timeline





Website Features – Position Data Map

[Back to Incident List](#) [Enter Feedback for 97702](#)

View Position Data

The map displays the state of California with a red location marker on the coast near San Francisco. Major cities labeled include Ukiah, Yuba City, Roseville, Sacramento, Elk Grove, Santa Rosa, Napa, Vacaville, Fairfield, Vallejo, Concord, Antioch, Stockton, San Francisco, Oakland, San Leandro, Livermore, Tracy, Modesto, San Mateo, Fremont, San Jose, Merced, Los Banos, Santa Cruz, Salinas, Soledad, Fresno, Coalinga, Avenal, Delano, Visalia, and Lemoore. A zoom control with '+' and '-' buttons is located in the top left corner. An inset map in the top right corner shows the location of the marked area within the United States.



Website Features – Position Data Map

[Back to Incident List](#) [Enter Feedback for 97702](#)

View Position Data

FirstComposite	
Position ID	656354
Latitude	37.49841
Longitude	-122.4806
Position Type	FirstComposite
Detection Time	2019/08/18 16:52:08

Zoom to

Website Features – Automatic Email Reminders Requesting Feedback



Two-step automated reminders:

- Primary RCC email addresses will receive feedback requests for unassigned records **one hour** after a site closes
- ~~And, a **weekly summary email** containing all unassigned records.~~

CGD14

Our alert files indicate the following 406 MHz beacon sites alerted in your service area and are now closed:

[35853](#)

We have checked the online IHDB and the sites have not been updated. Please enter the data in the online IHDB.

Please refer to the link: ["Examples of Operational False Alerts"](#) when making your choice of reasons activated.

Thank you for your assistance.

Best regards

Time span checked:

2020-04-10 03:00:00

2020-04-10 04:00:00



Website Features – Password Self Reset

There is a “Forgot Password” link on the home page.

[Log In](#)

USMCC Incident History Database

United States Mission Control Center Incident History Database (IHDB)

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[Forgot Password](#)

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Reset Your Password

Email address

Organization

-Select One- ⇅

Next ▶

Security Challenge Questions

You must correctly answer your security challenge questions and before you can reset your password. After 5 failed attempts, the account will be locked.

What is the name of your favorite childhood friend?

In what city or town were you born?

Answer



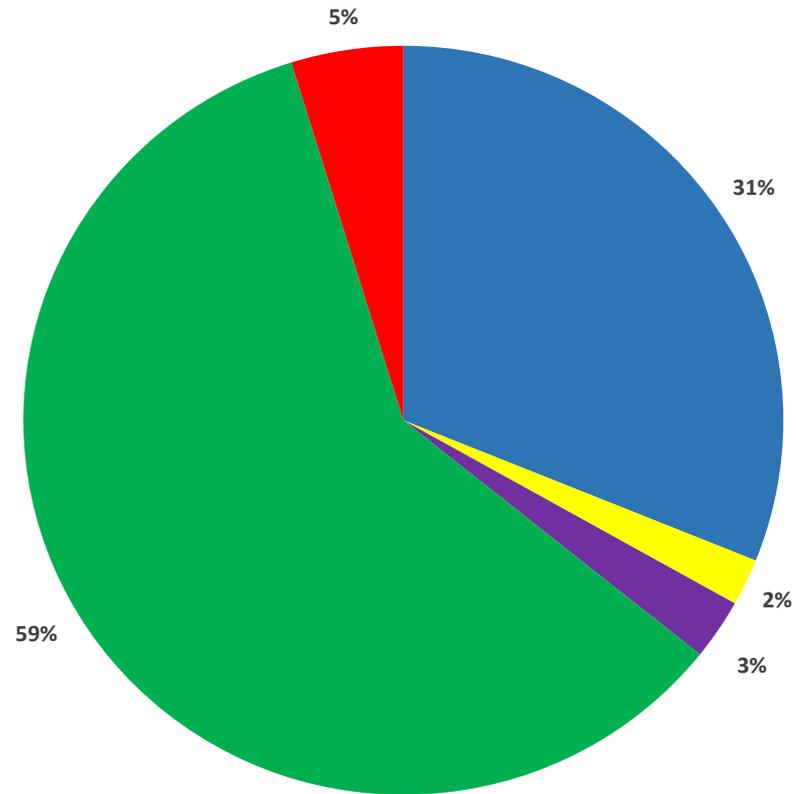
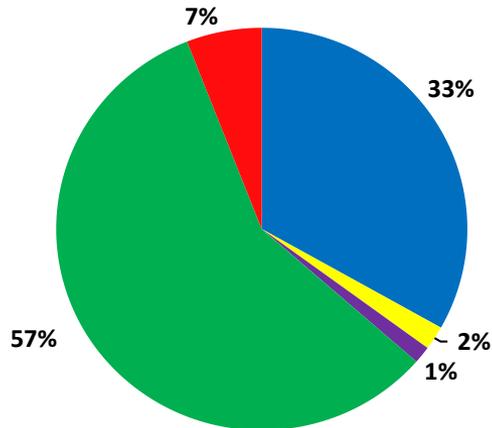
Entry Statistics by RCC

RCC/SPOC	Ceased/ Undetermined	Distress	Linked Site	Non-Distress	Unassigned
AFRCC	3493	227	294	6679	535
AKRCC	63	33	28	315	6
CGD01	120	13	192	299	30
CGD05	92	6	156	212	22
CGD07	451	58	421	954	306
CGD08	114	20	309	394	15
CGD09	12	2	0	46	70
CGD13	56	13	36	159	58
CGD14	64	6	29	215	45
CGD17	25	10	100	128	30
MARSEC	1	0	0	4	102
PACAREA	148	8	67	183	49
SANJN	22	2	0	48	212
DOMREP	77	1	0	15	40
COCESNA	43	1	3	39	66
ECSP	4	2	3	2	224
TTSP	12	0	0	6	185
Bermuda	19	0	1	23	6
HaitiSP	10	0	3	14	12
Mexico	10	1	0	8	622
NANTSP	11	0	0	14	5
PanSP	2	0	2	9	701

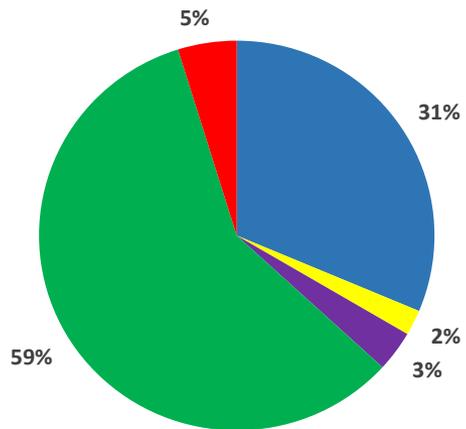


AFRCC 2019

AFRCC 2021



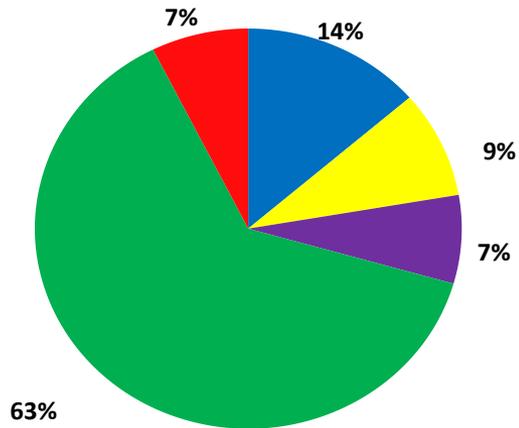
AFRCC 2020



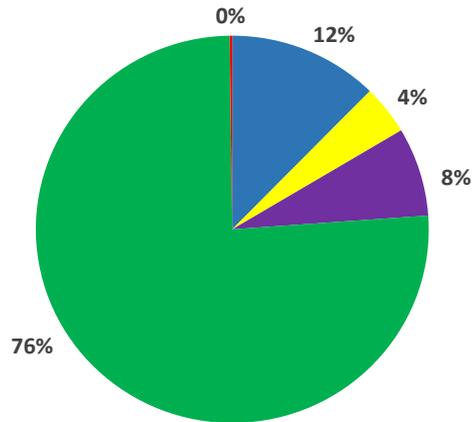
■ Ceased/Undetermined ■ Distress ■ Linked Site ■ (Unassigned) ■ Non-Distress



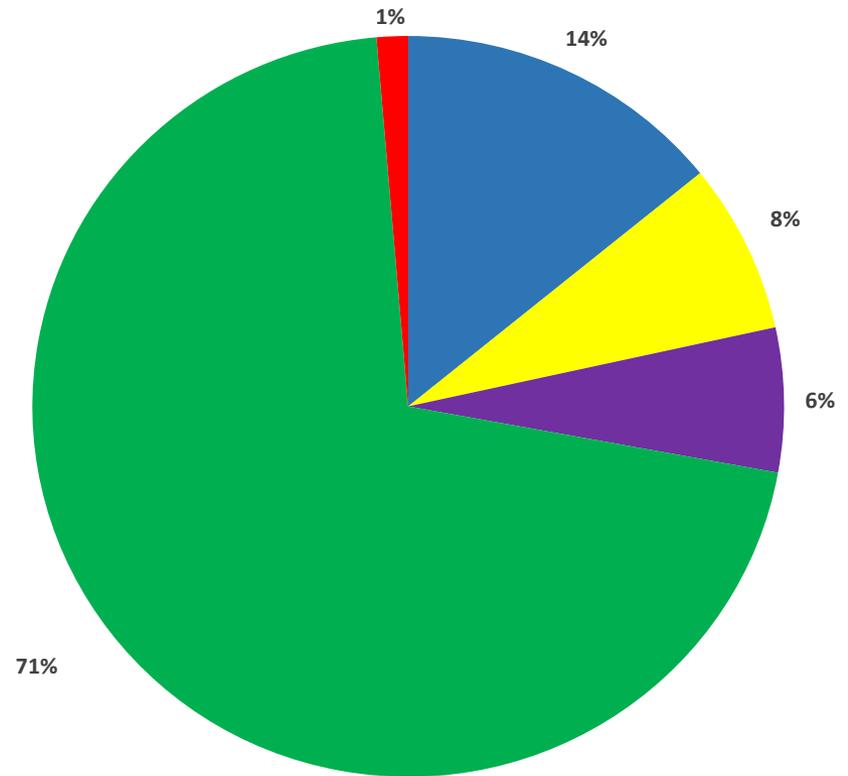
AKRCC 2019



AKRCC 2020



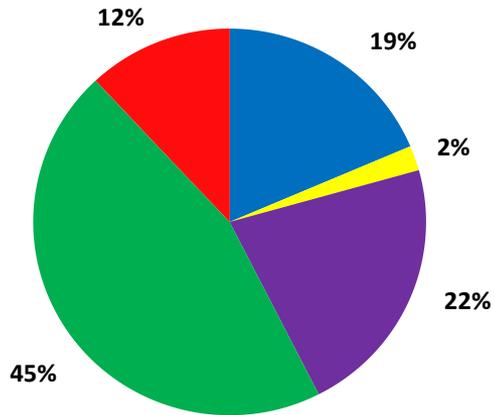
AKRCC 2021



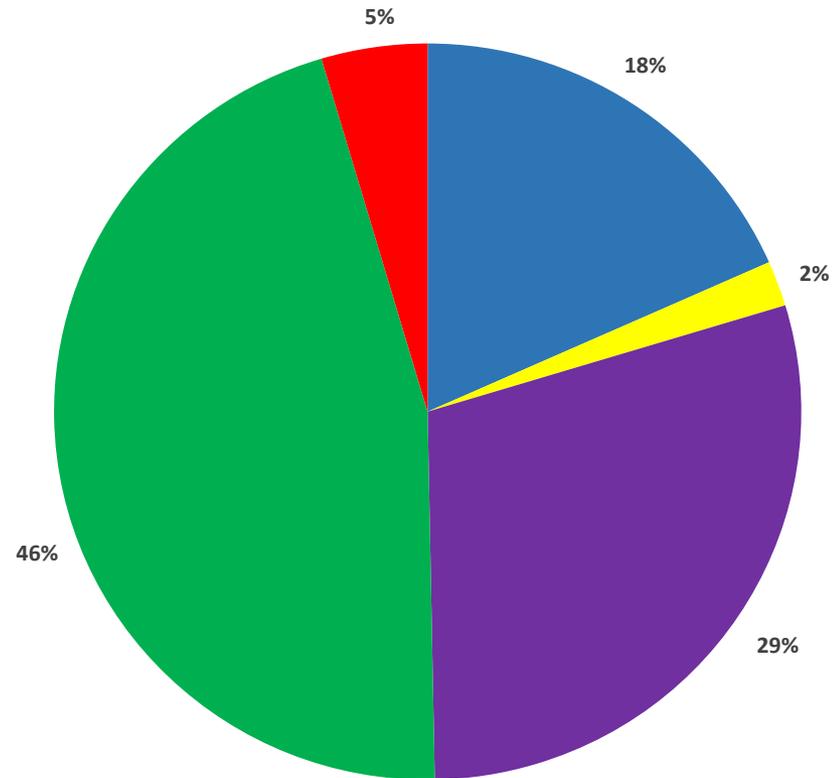
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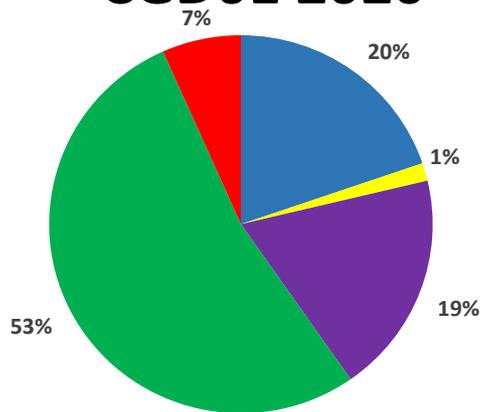
CGD01 2019



CGD01 2021



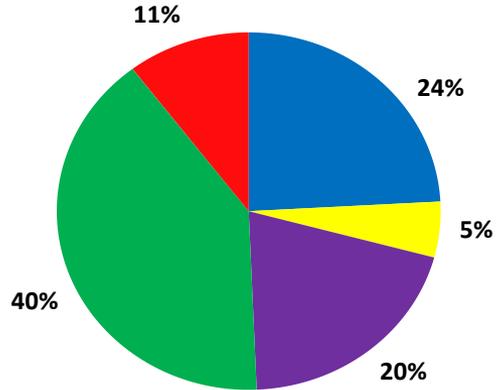
CGD01 2020



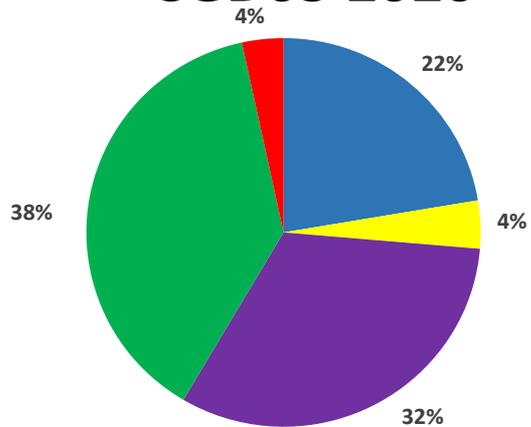
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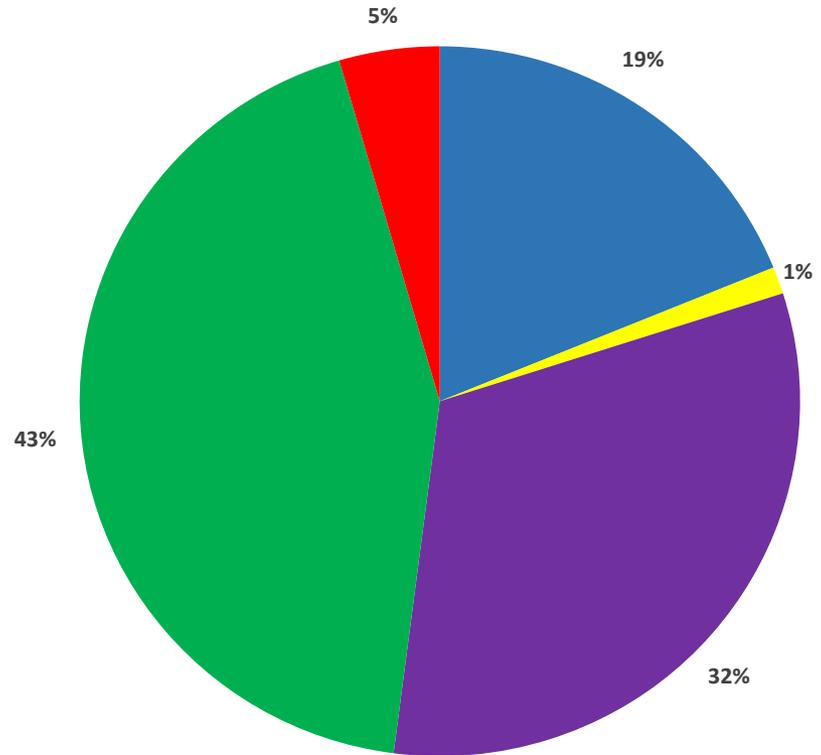
CGD05 2019



CGD05 2020



CGD05 2021

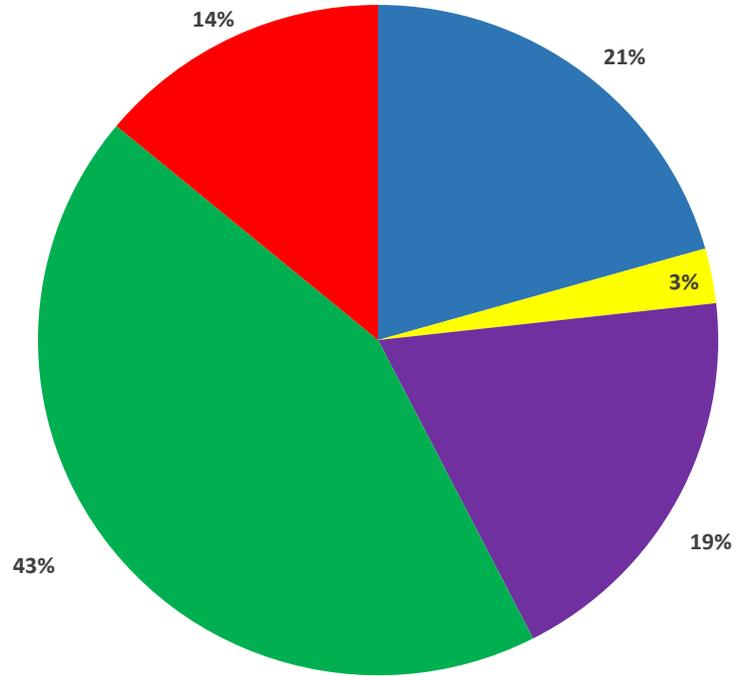
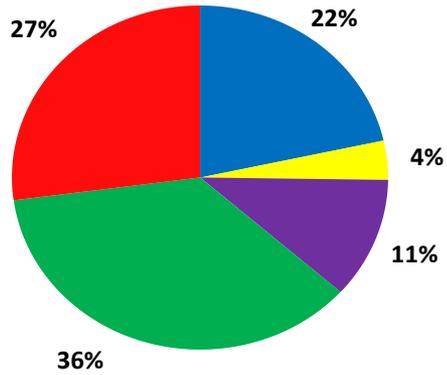


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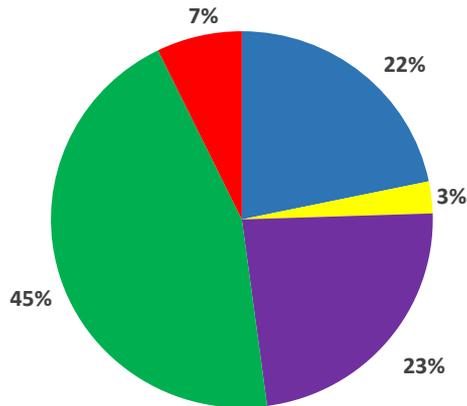


CGD07 2019

CGD07 2021



CGD07 2020

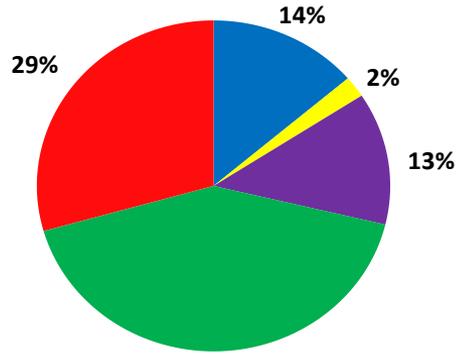


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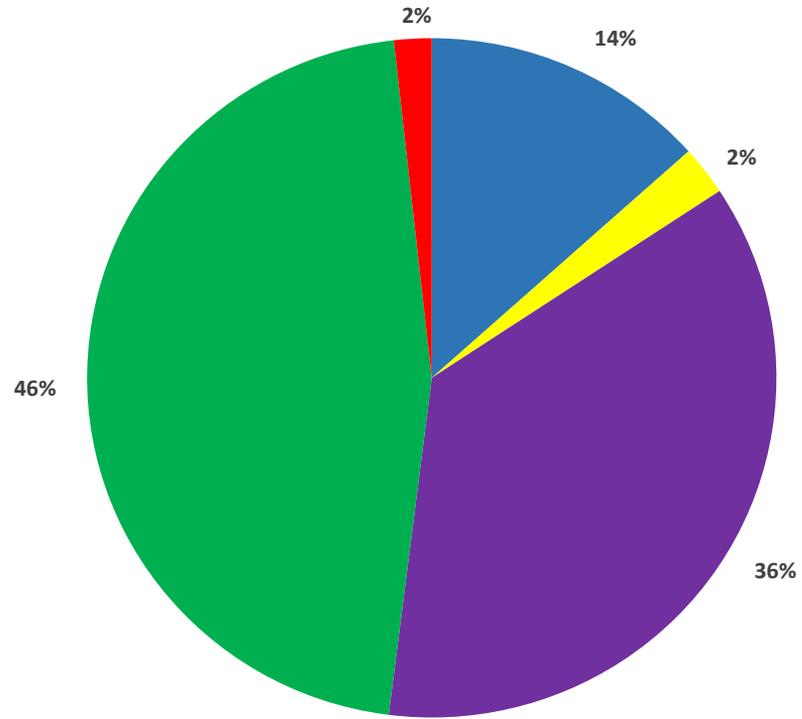
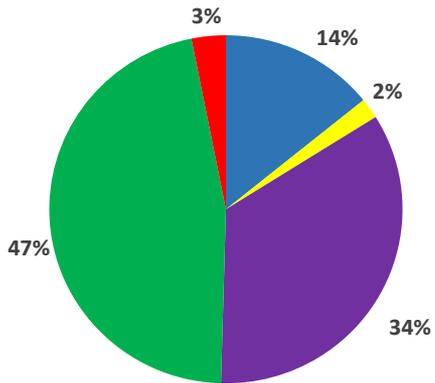


CGD08 2019

CGD08 2021



CGD08 2020

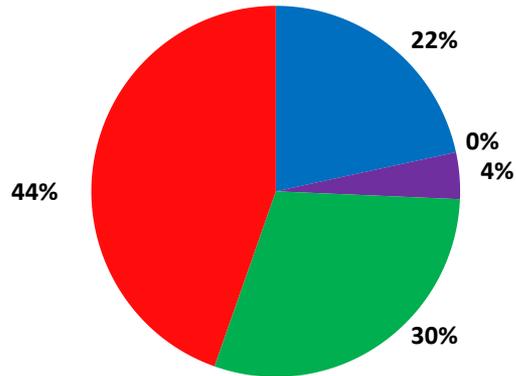


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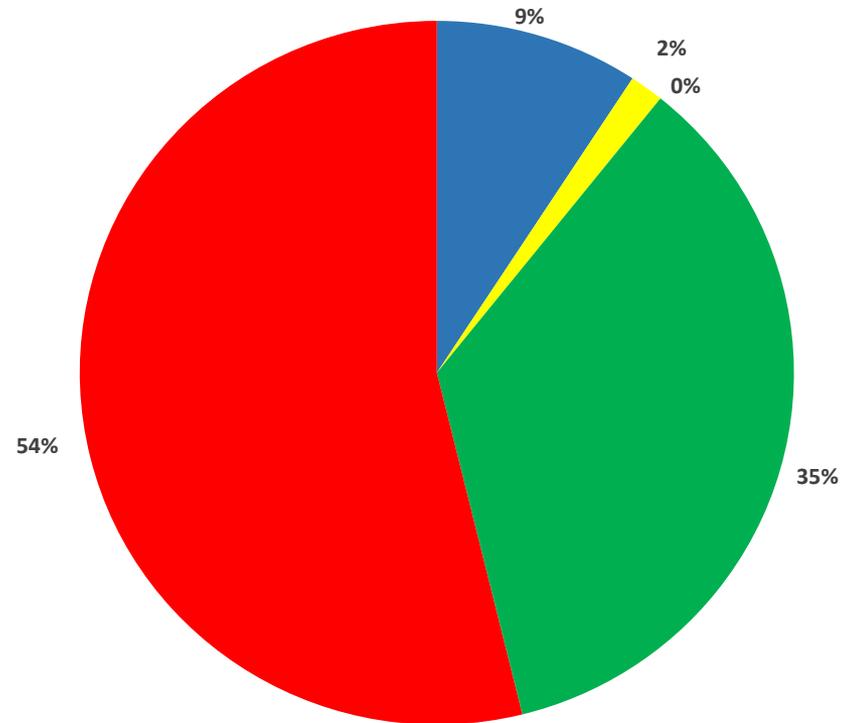
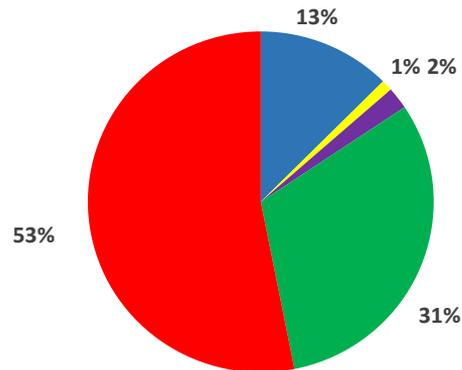


CGD09 2019

CGD09 2021



CGD09 2020

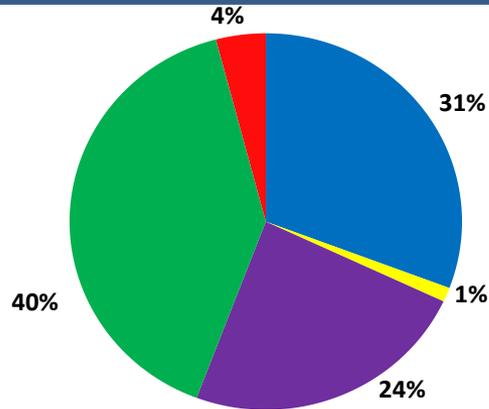


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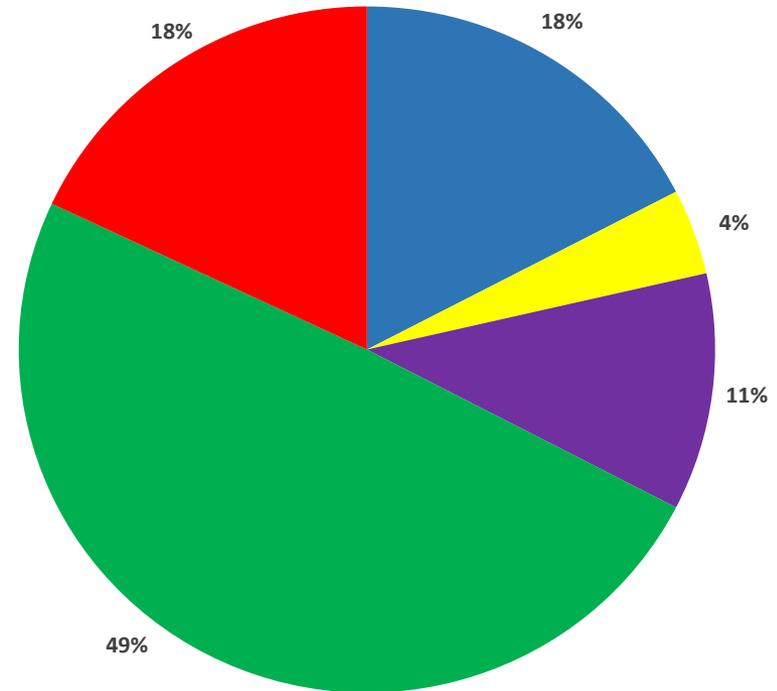
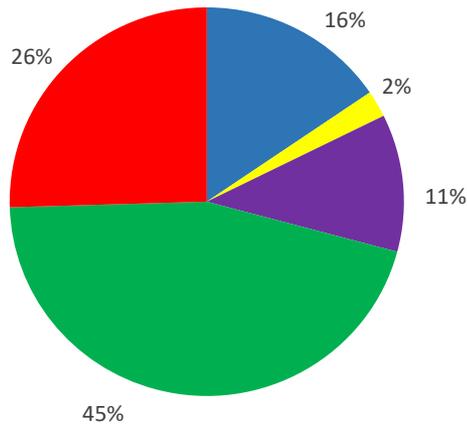


CGD13 2019

CGD13 2021



CGD13 2020

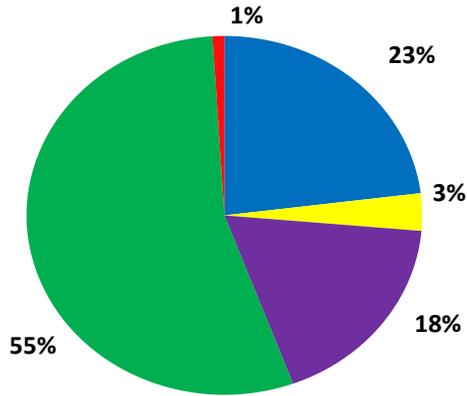


■ Ceased/Undetermined ■ Distress ■ Linked Site ■ (Unassigned) ■ Non-Distress

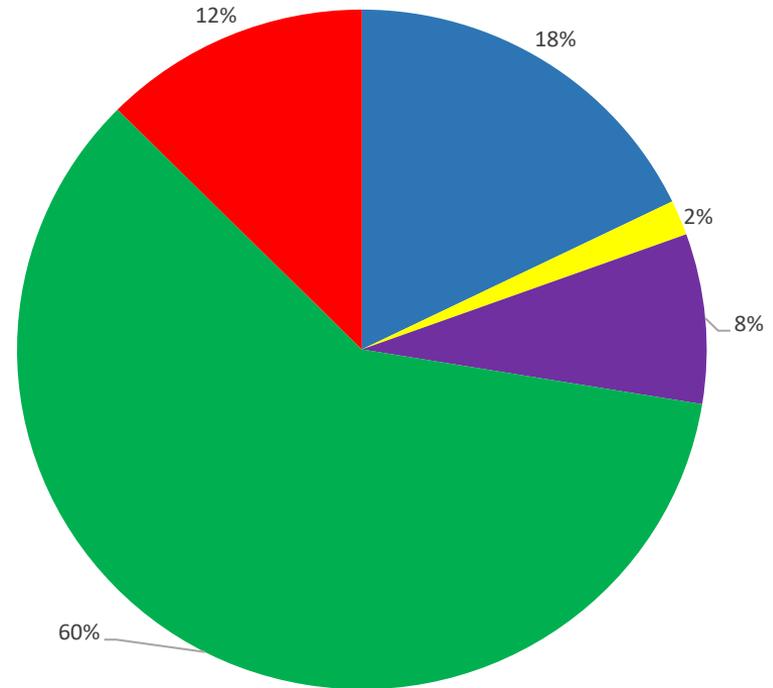
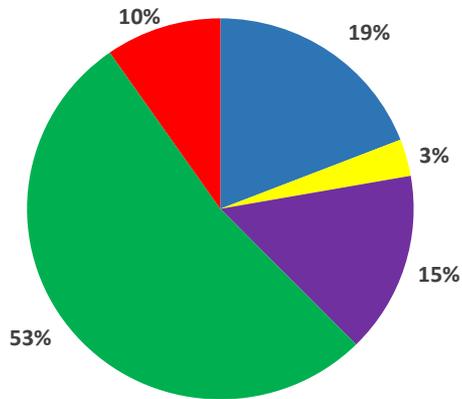


CGD14 2019

CGD14 2021



CGD14 2020

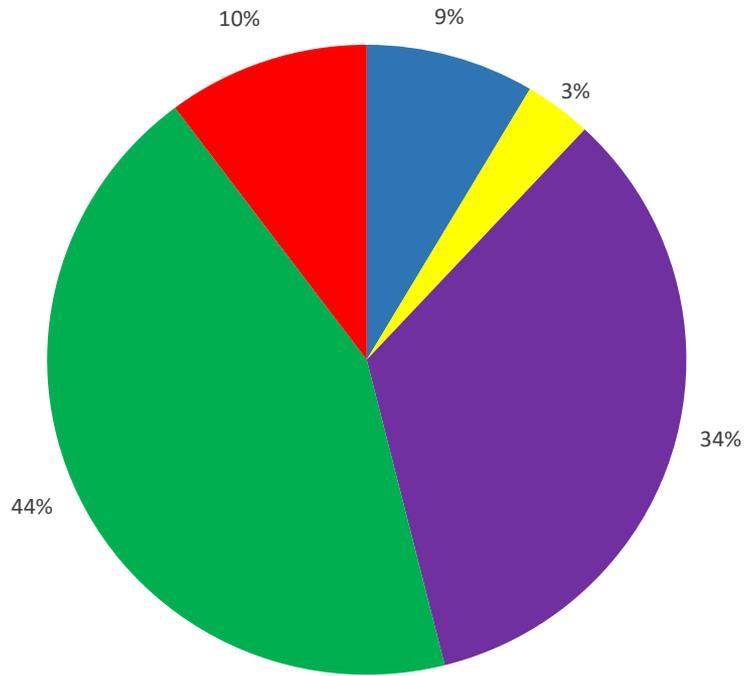
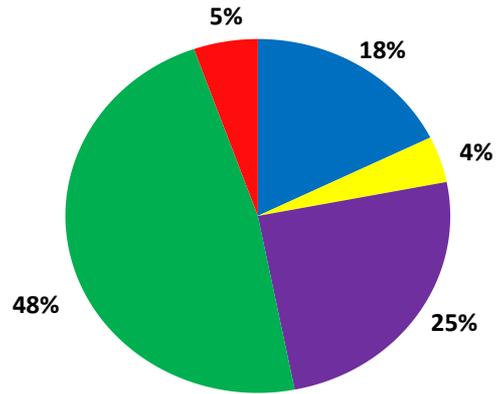


■ Ceased/Undetermined ■ Distress ■ Linked Site ■ (Unassigned) ■ Non-Distress

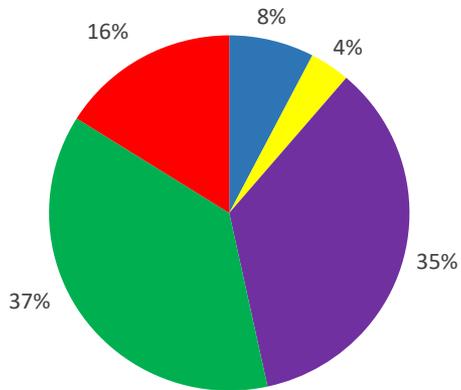


CGD17 2019

CGD17 2021



CGD17 2020

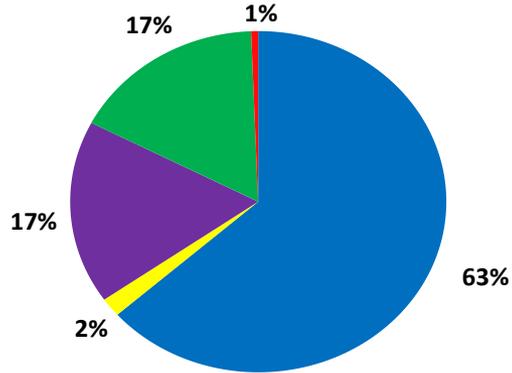


■ Ceased/Undetermined ■ Distress ■ Linked Site ■ (Unassigned) ■ Non-Distress

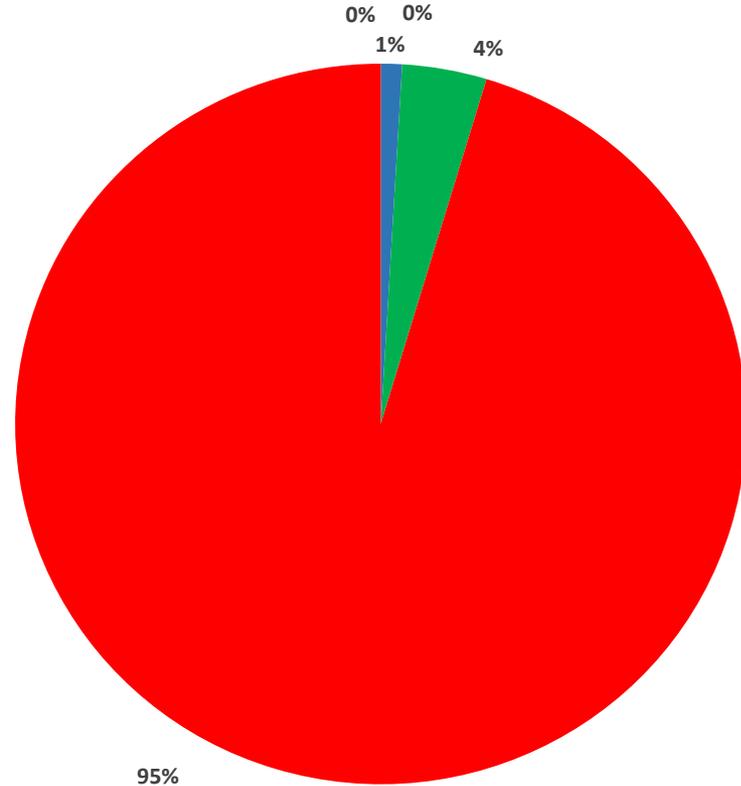
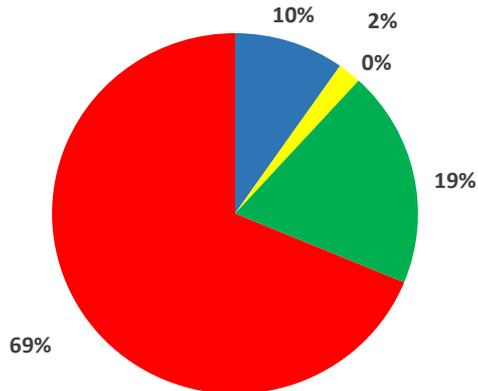


MARSEC 2019

MARSEC 2021



MARSEC 2020

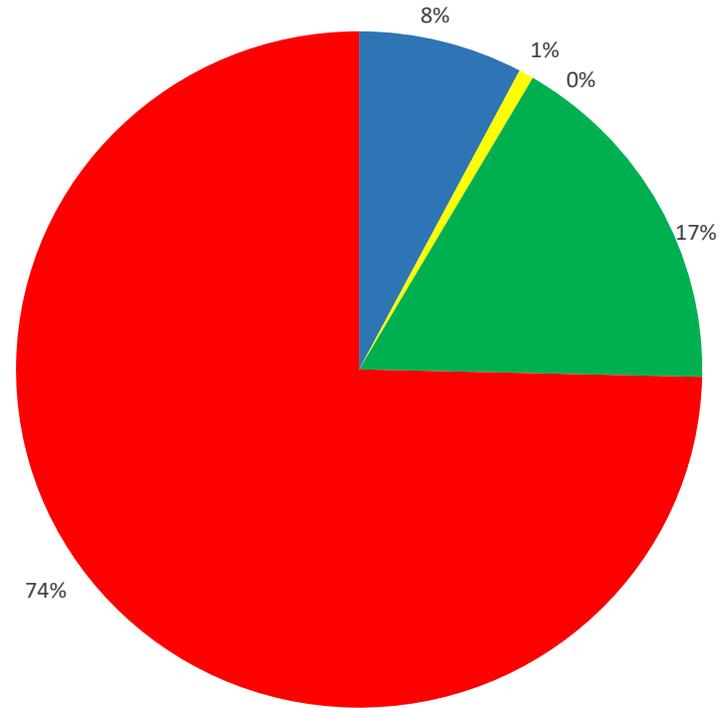
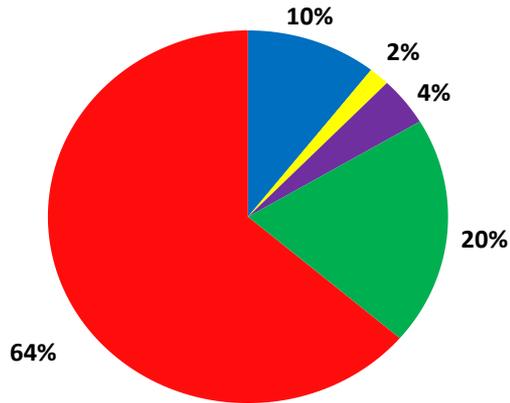


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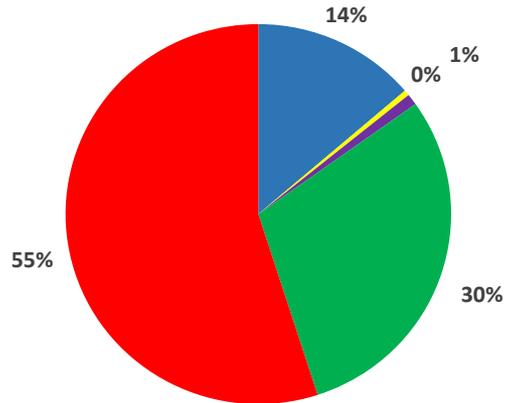


SANJN 2019

SANJN 2021



SANJN 2020

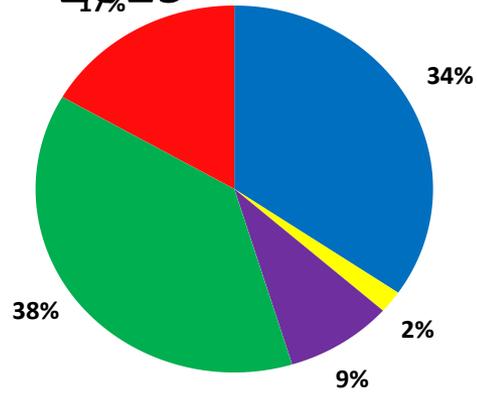


■ Ceased/Undetermined ■ Distress ■ Linked Site ■ (Unassigned) ■ Non-Distress



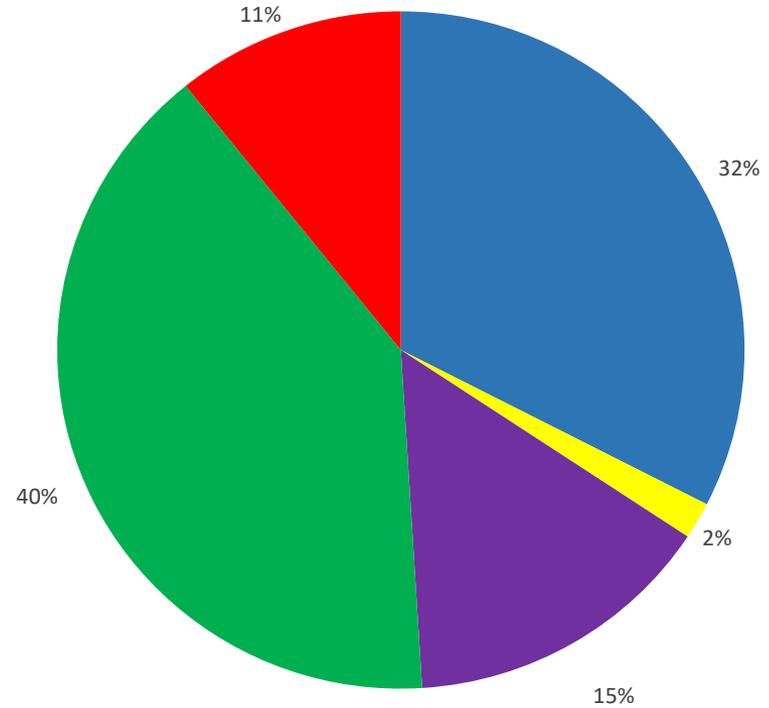
PACAREA

2019



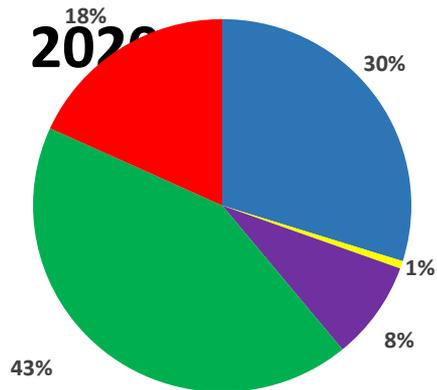
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2021



PACAREA

2020



■ Ceased/Undetermined ■ Distress ■ Linked Site ■ (Unassigned) ■ Non-Distress