

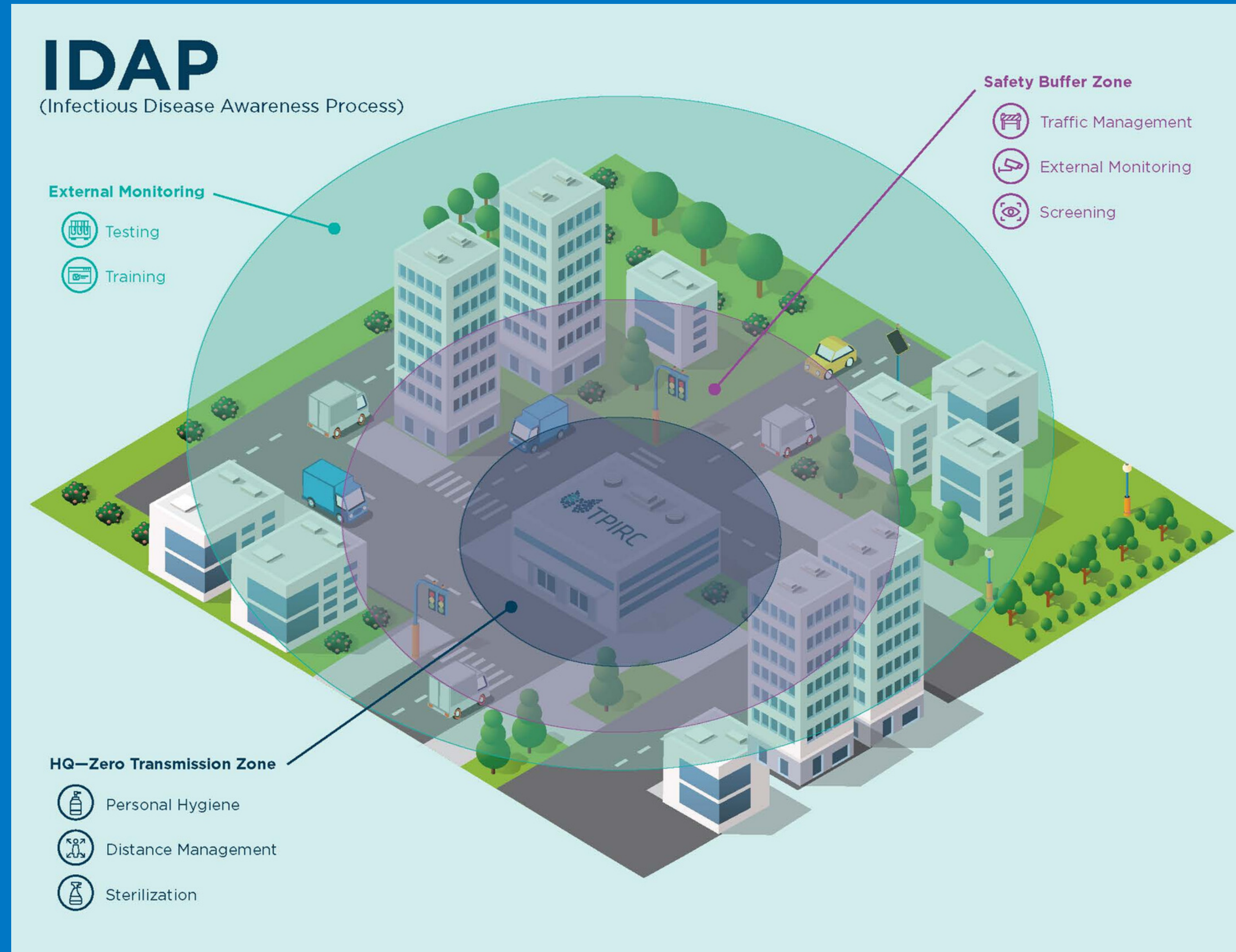
# The Translational Pulmonary and Immunology Research Center (TPIRC)

## Infectious Disease Awareness Platform



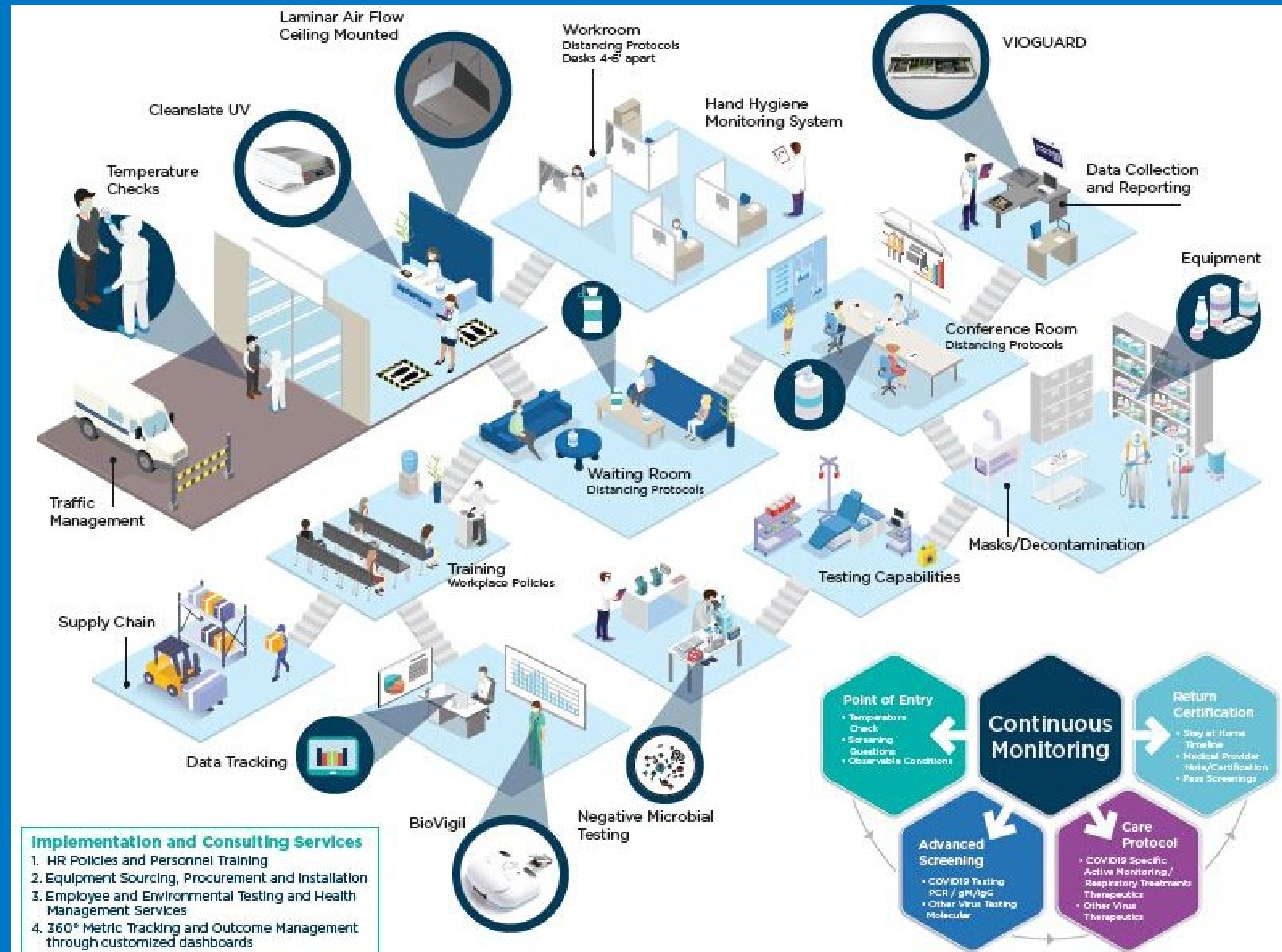


# TPIRC's Infectious Disease Awareness Platform Overview Safety Inside + Out



# TPIRC's Infectious Disease Awareness Platform

Every step is  
carefully planned  
out





# *IDAP Safety Zones*

## Zone Level 1

- Medical/High Risk Facility
- Restricted Access
- All facility airflow management
- Intra-day Sterilization and Decontamination
- Rigorous Personnel Policies



## Zone Level 2

- Controlled environments with managed access
- K-14, Universities, Airports, and Offices
- Selective airflow management
- Daily decontamination and rigorous personnel policies



## Zone Level 3

- Uncontrolled environments with public access
- Malls, mixed used spaces, and shared workspaces
- Daily decontamination and sterilization





# *IDAP Implementation Assessment*

## **Site Assessment**

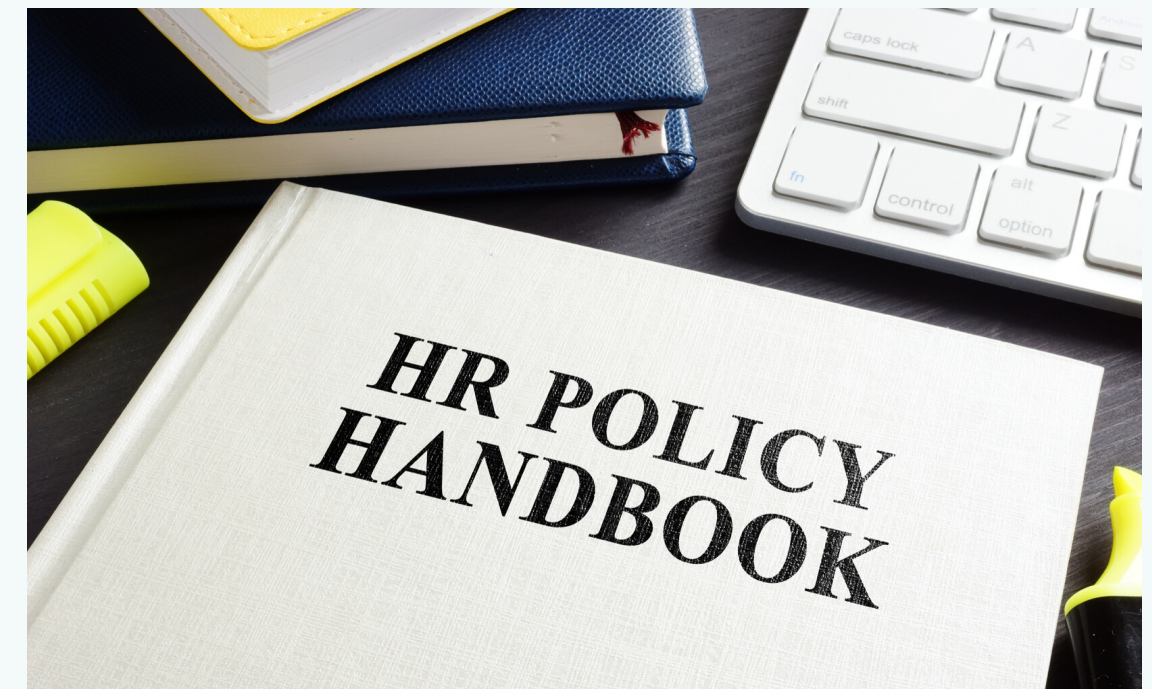
- Space usage review
- Facility walkthrough
- IDAP Zone classification
- Equipment needs determination
- Logistics overview

## **Policy and Process**

- Workplace policy review and development
- Testing and tracking development
- Facility and personnel data management
- Outcomes dashboard

## **Implementation Rollout**

- Procurement and installation
- Training and consulting
- Execution and maintenance





# *IDAP Zone Level 2 Example – Screening*



## Access Screening

- **Comprehensive** check-in procedure each time entering the facility
- **Contactless Temperature Check** prior to entering
- **Ultraviolet** decontamination of electronic equipment
- **Identification** card to grant access, monitor hygiene policy, and to aid in trace-tracking

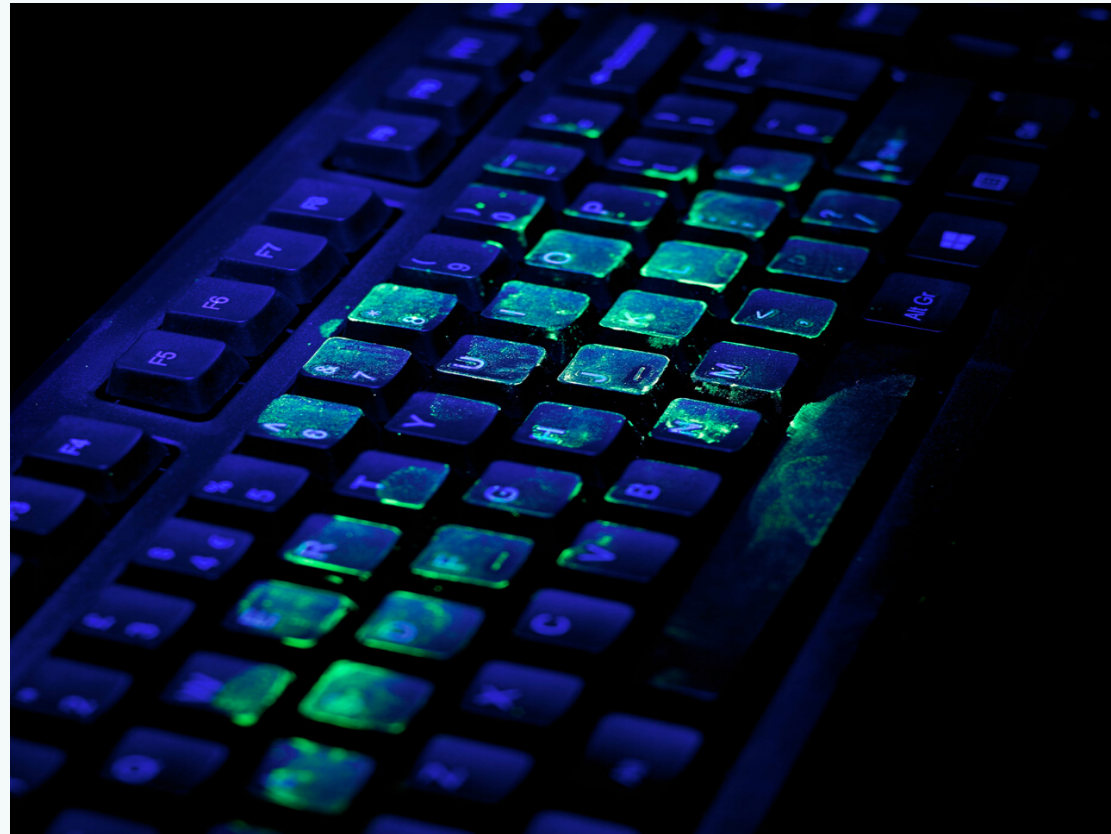


# *IDAP Zone Level 2 Example – Cleaning*





# *IDAP Zone Level 2 Example – Employee Hygiene*



## Policies in Place for:

- **Workspace** wipe down at beginning and end of day
- **Handwashing** and hand sanitization
- **Masks** and use of other protective equipment when social distancing is not possible

## Self-Maintenance





# *IDAP Zone Level 2 Example – Common Areas*





# *IDAP Zone Level 2 Example – Facility Layout*



## **6 Feet Office in Mind**

- **Workspace** dividers when spacing is limited
- **Spacing** and distancing to allow for mask removal
- **Masks** and use of other protective equipment when social distancing is not possible





# *IDAP Zone Level 2 Example – Airflow Management*



## **Airflow Devices**

- **Ventilator** systems in high density or high travel locations to reduce airborne threats paired with testing filters for microbials
- **Pressure** systems to push particles lower to the ground to reduce the opportunity for inhalation of particles

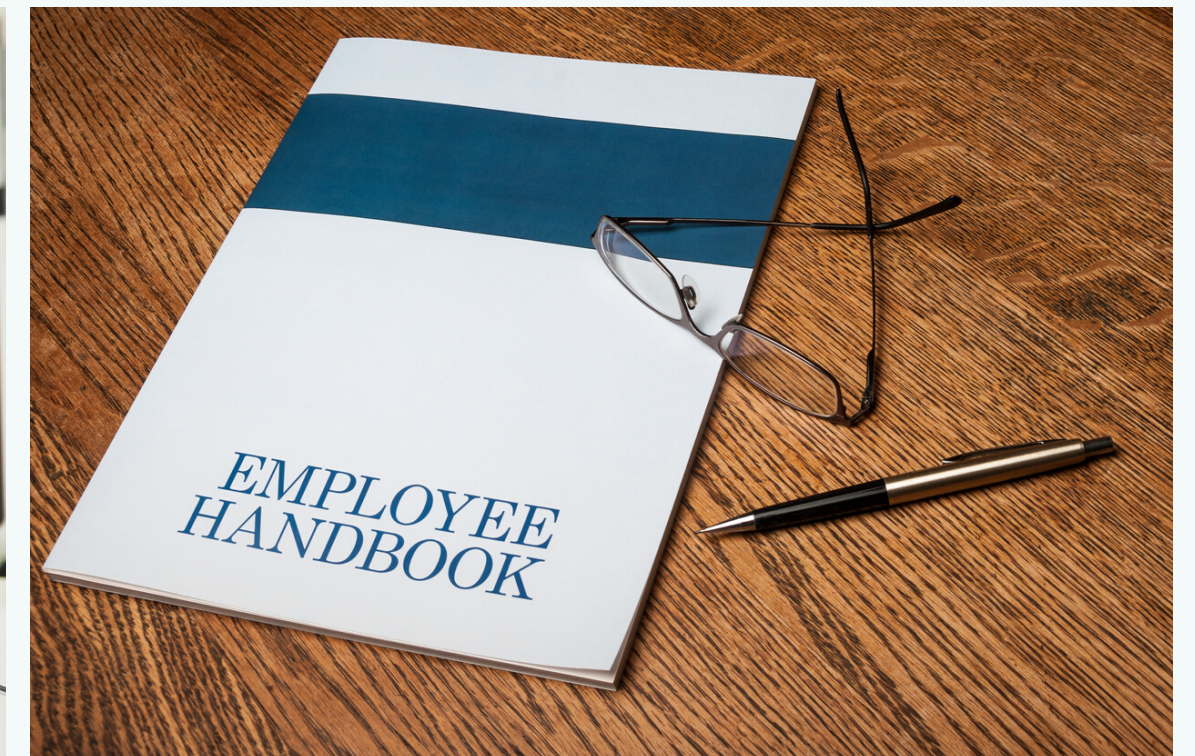




# *IDAP Zone Level 2 Example – Dashboard*

## Compliance Monitoring

- **Policy** and procedures manual development
- **Human Resources** guides and best practices delivered
- **Dashboard** application for monitoring and tracking key metrics
- **Access** to TPIRC's IDAP team for assistance and consulting at anytime
- **Beacon** technology to enable exposure trace-tracking, reducing the need to shut down facility operations





# IDAP Zone Level 2 Example – Employee Health

## Contact Tracing Report

The name of a person identified as an exposure risk

Names of team members who were in proximity to the infected person

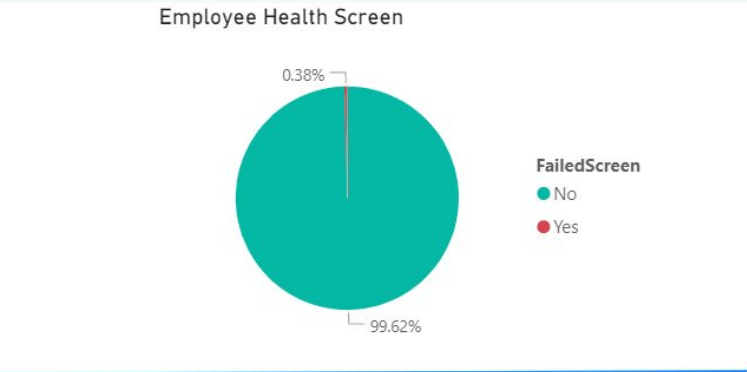
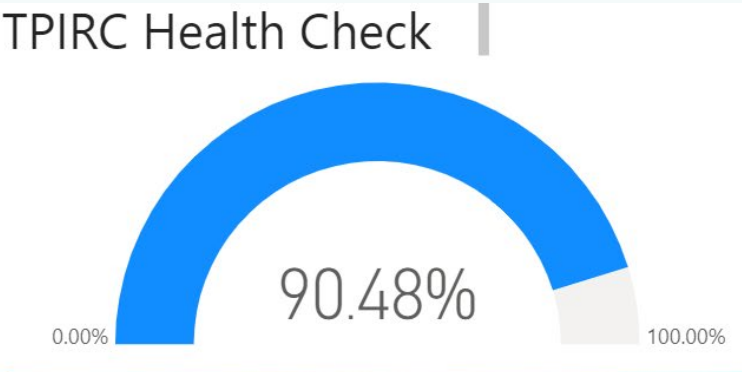
Location of contact

Ability to display contact phone number

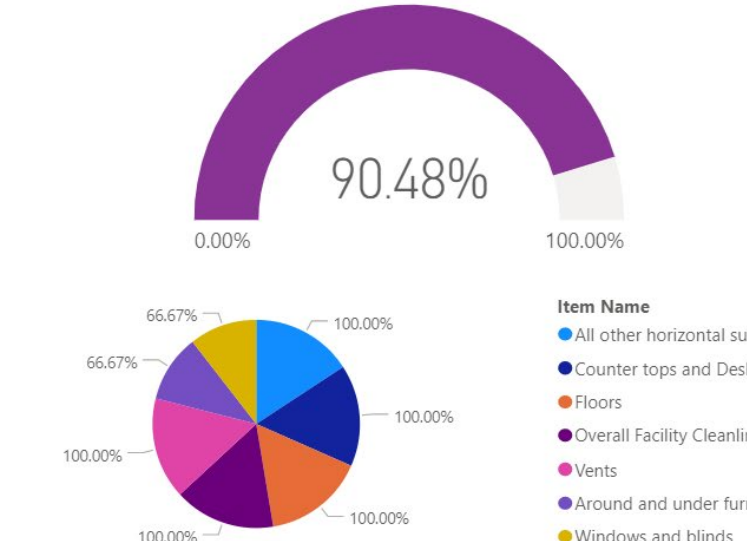
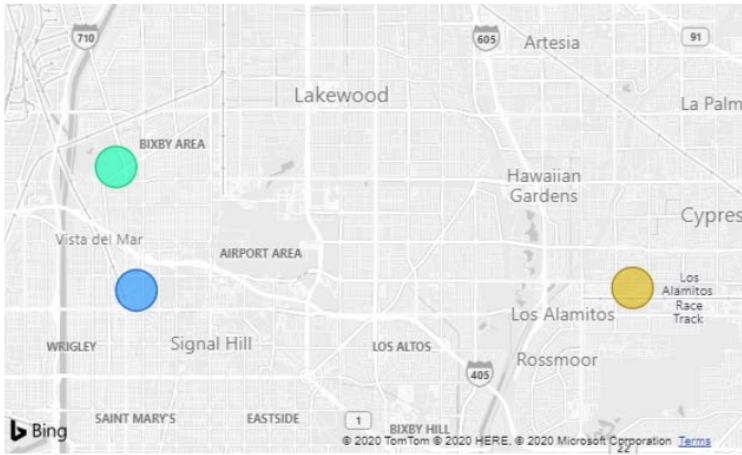
Contact duration with start and end times

Duration period (sortable by length)

Workflow <sup>®</sup> All Patients > Jerry Smith								
Contact Report								
Name	MRN	Location	Contact Name	Contact Type	Phone	Contact Start	Contact End	Duration of Contact
Jerry Smith	1234	Registration Desk	Jeremy Jones	Staff	—	10:00:00	10:02:00	2 minutes
		Emergency Waiting Room	Jesse Long	Patient	555-110-0910	10:03:35	10:05:00	1 minute 35 seconds
			Mary Swanson	Patient	555-834-0808	10:04:00	10:04:00	10 minutes
			Dave Gore	Patient	555-095-1123	10:04:00	10:08:20	4 minutes 20 seconds
			Julie Woodbury	Patient	555-090-7352	10:05:05	10:08:05	3 minutes
		Hallway	Charles Cannon	Staff	—	10:07:00	10:07:28	28 seconds
			Both Briggs	Patient	555-015-5647	10:08:00	10:09:12	1 minute 12 seconds
		Triage Room 1	Sue Miller	Staff	—	10:12:45	10:18:45	6 minutes
		Hallway	Asher Cossette	Patient	555-025-8291	10:19:05	10:19:10	5 seconds
		Exam Bay 5	Jayden Stamen	Staff	—	10:25:00	10:32:04	7 minutes 4 seconds
		Hallway	Pedro Garcia	Staff	—	10:33:23	10:38:23	5 minutes
			John Gibson	Staff	—	10:36:30	10:38:00	2 minutes 30 seconds
			Paula Perez	Patient	555-948-1111	10:40:00		



## INSPECTION



List						
Name ↑	Station 1	Station 2	Station 3	Location	Time in Location	Tag
Employee 1	Pass	Pass			0h 0m 44s	987654
Employee 10	Pass	Pass	Pass		0h 0m 43s	987663
Employee 2	Pass				0h 0m 44s	987655
Employee 3	Pass	Pass	Pass		0h 0m 44s	987656
Employee 4					0h 0m 44s	987657
Employee 5	Pass	Pass	Pass		0h 0m 44s	987658
Employee 6	Pass	Pass			0h 0m 44s	987659
Employee 7	Pass	Pass	Pass		0h 0m 43s	987660
Employee 8	Pass	Pass			0h 0m 43s	987661
Employee 9					0h 0m 43s	987662



# *Optional COVID-19 Testing and Employee Health*

## On or Offsite Health

- **Access** to TPIRC – Southern California Food Allergy Institute COVID-19 testing site
- **Health screen** and monitoring for employees and staff available
- **Rapid**, 24 hours results for antibody and PCR testing for employees and designated personnel
- **Enhanced** facility access protocol with solution in place for failed temperature screenings or sick employees

