CRC SimPLER: Community Reception Center Simulation Program for Leveraging and Evaluating Resources

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CRC SimPLER
Community Reception Center Simulation Program for Leveraging and Evaluating Resources

Instructions for users:
Select the operational shift length your CRC will be open to receive individuals for population monitoring.
Select the size of the estimated population that will be arriving during one shift that will need CRC services
and the percent of the incoming population that would be assumed contaminated
based on the incident type and/or screening criteria set by your juristiction.

Operational Shift Length (Hours per day)	12 ▼
Estimated Arriving Population During Shift	2500 ▼
Percent of Population Assumed Contaminated	25 ▼
Arrival Distribution	Uniform ▼ ☐ Enable Arrival Distribution Options

[CRC Station Flow Diagram]

Select the number of resources used at your CRC:

		Minimum Staff*
Number of Portal Monitors	0 / 1 / 2 / 3 / 4 / 5 / 6 / 10	1
Number of Handheld Detectors (Prior to Decon)		2
Number of Individual Showers		4
Number of Handheld Detectors (Post Decon)		2
Number of Registration Lanes	6 ▼ ◁ Number of registration lanes open simultaneosly	
		15 *Total*

[**Estimate**]

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CRC Shift Results Summary

Average Hourly Throughput (Individuals) `82`   **Average Time Spent at CRC (hh:mm:ss)** `00:09:52`

Total Throughput at Shift End (Individuals) `985`   **Extended Time Past Shift (hh:mm:ss)** `00:24:27`

Shift Averages for Each Station

All numbers represent averages of each station over the entirety of one shift at the CRC. To see detailed descriptions of what is presented in each plot, hover over the question icon. Below each chart, the station that had the largest average will be listed along with its value.

Average Wait Time per Station ⊘

Time (minutes) — bars:
CS = 0, PreHH = 0, Decon = 1, PostHH = 2, Reg = 0
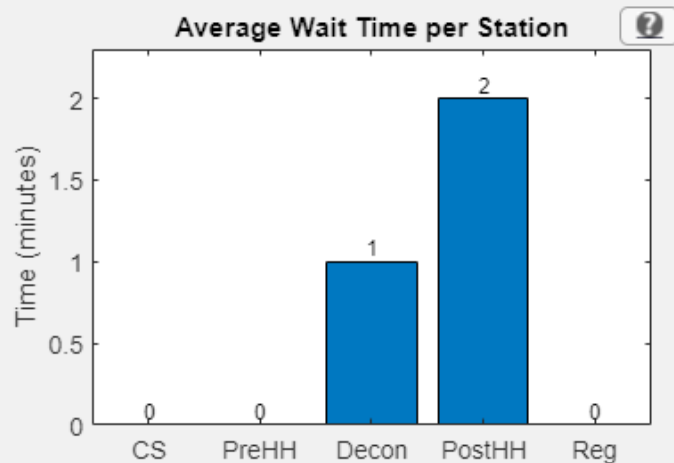
Station Name `PostHH`
Longest Wait Time (minutes) `2`

Average Utilization per Station ⊘

Utilization (percent) — bars:
CS = 28, PreHH = 51, Decon = 79, PostHH = 50, Reg = 74
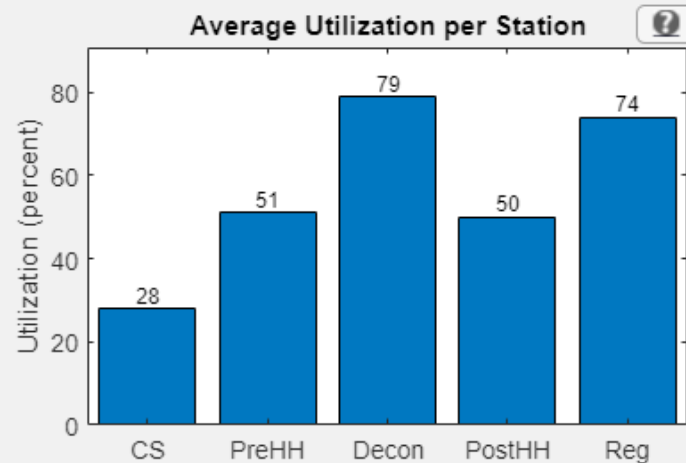
Station Name `Decon`
Highest Utilization (percent) `79`

Average Line Length per Station ⊘

Number of People — bars:
CS = 0, PreHH = 1, Decon = 3, PostHH = 0, Reg = 0
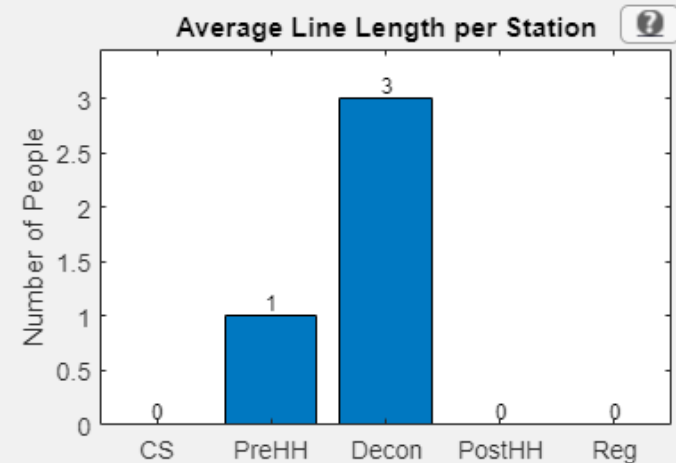
Station Name `Decon`
Longest Line (Individuals) `3`

Abbreviations for Stations Shown in Graphs
CS = Contamination Screening
PreHH = Pre Decontamination Handheld Screening
Decon = Decontamination
PostHH = Post Decontamination Handheld Screening
Reg = Registration

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