The COVID-19 pandemic is bringing the deep inequities in our food system to the surface and changing the way Americans shop. SNAP recipients, at a high risk for food insecurity, cannot use their EBT cards to purchase groceries online in Massachusetts (and most other states in the country). The state government has requested a waiver from the USDA to allow SNAP users to purchase food online with their EBT cards. Online grocery delivery is crucial during this pandemic, and can continue to play an important role in increasing food security after this crisis. I have identified two logistical challenges to grocery delivery which refrigerated lockers could ameliorate:

- where to leave deliveries when customers are not home
- increasing congestion on city streets

This research will answer the following two questions:

- Which areas of Somerville are farthest from food retail?
- Which of these areas have vulnerable populations that are most in need of higher levels of food security that could result from refrigerated lockers for online grocery delivery?

The results indicate several neighborhoods that would be best suited for refrigerated grocery lockers: Interbelt, East Somerville, Winter Hill, and Magoun Square. There are ten convenience stores in the high priority areas in these neighborhoods to house the lockers. One of these convenience stores is located in the only region deemed highest priority (score of 5). Building lockers in convenience stores brings more people into these stores which increases sales and makes use of existing infrastructure. Building lockers in these locations will allow grocery delivery to expand to SNAP users in Somerville in a way that limits congestion and allows customers to pick up their orders at times that are convenient for them, instead of having to change their schedules to be home during a specified delivery window.