

# Ripple Effect of COVID-19 – Literature Review

## 1 Context and Quotes

- **Unemployment Rate in New York:** Crisis context
  - <https://fred.stlouisfed.org/series/NYUR#0>
- **Nearly 40% of low-income workers lost their jobs in March:** Crisis context
  - <https://www.cnn.com/2020/05/14/economy/low-income-layoffs-coronavirus/index.html>
- **New York State Public School Enrollment:** Crisis context
  - <https://data.nysed.gov/enrollment.php?year=2018&state=yes>
- **'A Bad Dream': New York Children Who've Lost Parents to COVID-19 Face Hardships Beyond Grief:** Context quote
  - <https://www.thecity.nyc/2020/7/6/21315207/a-bad-dream-new-york-children-who-ve-lost-parents-to-covid>
- **The other COVID-19 risk factors: How race, income, ZIP code can influence life and death:** Context quote
  - <https://www.usatoday.com/story/news/health/2020/04/22/how-coronavirus-impacts-certain-races-income-brackets-neighborhoods/3004136001/>
- **Amid Covid-19 Pandemic, Formerly Homeless Family Deals With Job Loss:** Context quote
  - <https://gothamist.com/news/amid-covid-19-pandemic-formerly-homeless-family-deals-job-loss>
- **Black Families Were Hit Hard by the Pandemic. The Effects on Children May Be Lasting:** Context quote
  - <https://www.nytimes.com/2020/06/29/parenting/coronavirus-black-children-inequality.html>
- **Child Hunger is on the Rise:** Context quote
  - <https://nymag.com/intelligencer/2020/05/kids-are-going-hungry-because-of-the-coronavirus.html>

- **He Is 16 and His Mother Died of Covid-19. What Happens To Him Now?:** Context quote
  - <https://www.nytimes.com/2020/08/13/nyregion/coronavirus-ny-parents-dead.html?action=click&module=Top%20Stories&pgtype=Homepage>
- **Queens Teen Loses Both Parents to COVID-19 in One Month:** Context quote
  - <https://www.ny1.com/nyc/all-boroughs/news/2020/07/21/queens-teen-loses-both-parents-to-covid-19-in-one-month>
- **The Uncertainties Facing New York City’s Young Essential Workers:** Context quote
  - <https://www.newyorker.com/news/news-desk/the-uncertainties-facing-new-york-citys-young-essential-workers>
- **A Million Jobs Lost: A ‘Heart Attack’ for the N.Y.C. Economy:** Unemployment for Great depression, COVID-19
  - <https://www.nytimes.com/2020/07/07/nyregion/nyc-unemployment.html>
- **Labor Statistics for the New York City Region:** NYC unemployment great recession, COVID-19, 2019 average
  - <https://www.labor.ny.gov/stats/nyc/>
- **Labor Force Statistics from the Current Population Survey:** Teen unemployment for great recession, and 2019 average
  - <https://www.bls.gov/cps/lfcharacteristics.htm#unemp>

## 2 Estimating Current Impact

### 2.1 Deaths

- **CDC WONDER Database:** Death totals for diseases in 2018
  - <https://wonder.cdc.gov/>
- **2018 American Community Survey:** Total children in New York
  - <https://www.census.gov/programs-surveys/acs>
- **New York Department of Health COVID-19 Fatalities Tracker:** New York deaths by age, race, gender, and county

- <https://covid19tracker.health.ny.gov/views/NYS-COVID19-Tracker/NYSDOHCOVID-19Tracker-Fatalities?%3Aembed=yes&%3Atoolbar=no&%3Atabs=n>
- **2018 NSDUH Annual National Report:** Breakdown of number of children by age and gender
  - <https://www.samhsa.gov/data/report/2018-nsduh-annual-national-report>
- **New York City Probable and Confirmed Deaths by Borough:** City probable and confirmed, scale up for state
  - <https://github.com/nychealth/coronavirus-data/blob/master/deaths/probable-confirmed-by-boro.csv>
- **New York State by County Deaths:** Up to date county death totals
  - <https://github.com/nytimes/covid-19-data/blob/master/live/us-counties.csv>
- **2018 ACS Table B10056 and Table S0101:** Grandparents as primary caretaker and population by age, by county
  - <https://www.census.gov/programs-surveys/acs/data.html>
- **Pew Research Center: U.S. has world's highest rate of children living in single-parent households:** Single parent household estimate
  - <https://www.pewresearch.org/fact-tank/2019/12/12/u-s-children-more-likely-than-children-in-other-countries-to-live-with-just-one-parent/>

## 2.2 Parental Job Loss

- **New York Weekly UI Claims Report:** Age and gender breakdown of unemployment
  - <https://labor.ny.gov/stats/weekly-ui-claims-report.shtm>
- **New York Labor Force and Unemployment Data, Local Area Unemployment Statistics:** County unemployment numbers
  - <https://labor.ny.gov/stats/LSLAUS.shtm>
- **2018 American Community Survey:** Number of single fathers, mothers
  - <https://www.census.gov/programs-surveys/acs/data.html>
- **Census Household Pulse Survey:** Loss of employment by household income
  - <https://www.census.gov/programs-surveys/household-pulse-survey/data.html>
- **New York State Low- to Moderate-Income Census Population**
  - <https://www.nyserda.ny.gov/About/Publications/Program%20Planning%20Status%20and%20Evaluation%20Reports/Evaluation%20Contractor%20Reports/2017%20Reports/LMI%20Census%20Population%20Tool>

### 2.3 Teen Job Loss

- **BLS Current Population Survey:** National teen unemployment, national unemployment, New York unemployment, 2019 national workforce, 2019 state workforce, current teen workforce, 2019 county workforce
  - <https://www.bls.gov/cps/#data>
- **Center for American Progress: The High Cost of Youth Unemployment:** Income loss estimate due to youth unemployment
  - <https://www.americanprogress.org/issues/economy/reports/2013/04/05/59428/the-high-cost-of-youth-unemployment/>

### 3 Short-Term Impact

- **Lessons from the Great Recession: New York Medicaid Enrollment During the COVID-19 Crisis**
  - <https://uhfnyc.org/publications/publication/ny-medicaid-enrollment-during-great-recession-and-covid-19/>
- **How the COVID-19 Recession Could Affect Health Insurance Coverage**
  - [https://www.urban.org/sites/default/files/publication/102157/how-the-covid-19-recession-could-affect-health-insurance-coverage\\_0.pdf](https://www.urban.org/sites/default/files/publication/102157/how-the-covid-19-recession-could-affect-health-insurance-coverage_0.pdf)
- **Key Facts about Food Insecurity:** Portion of those in poverty with food insecurity
  - <https://www.childtrends.org/indicators/food-insecurity>
- **The Impact of Coronavirus on Food Insecurity:**
  - <https://www.feedingamericaaction.org/the-impact-of-coronavirus-on-food-insecurity/>
- **Overcrowded Rental Housing Citizens' Committee for Children's Keeping Track of New York City's Children**
  - <https://data.cccnewyork.org/data/map/75/overcrowded-rental-housing#75/a/3/117/40/a/a>
- **Out of reach: The high cost of housing**
  - [https://reports.nlihc.org/sites/default/files/oor/OOR\\_2020.pdf](https://reports.nlihc.org/sites/default/files/oor/OOR_2020.pdf)

- **Census Household Pulse Survey:** Number of households with children without device access
  - <https://www.census.gov/programs-surveys/household-pulse-survey/data.html>
- **The COVID-19 Pandemic Is Straining Families' Abilities to Afford Basic Needs:**
  - <https://www.urban.org/research/publication/covid-19-pandemic-straining-families-abilities-afford-basic-needs>
- **2018 Kids Count Data Book:** Total number of children in poverty
  - <https://www.aecf.org/resources/2018-kids-count-data-book/>

#### 4 Short-Term Economic Scenarios

- **The Unemployment Cost of COVID-19: How High and How Long?**
  - <https://www.clevelandfed.org/en/newsroom-and-events/publications/economic-commentary/2020-economic-commentaries/ec-202009-unemployment-costs-of-covid.aspx>

#### 5 Long-Term Impact

- **Child abuse fears increase as families isolate during coronavirus pandemic:** Increase in calls to abuse hotline
  - <https://www.cbsnews.com/news/child-abuse-fears-increase-families-isolate-coronavirus-pandemic/>
- **Child Maltreatment 2018:** Baseline abuse and neglect numbers
  - <https://www.acf.hhs.gov/sites/default/files/cb/cm2018.pdf>
- **Following Spike in Domestic Violence During COVID-19 Pandemic, Secretary to the Governor Melissa Derosa & NYS Council on Women & Girls Launch Task Force to Find Innovative Solutions to Crisis:** Domestic violence hotline calls increase
  - <https://www.governor.ny.gov/news/following-spike-domestic-violence-during-covid-19-pandemic-secretary-governor-melissa-derosa>
- **Domestic Violence Victim Data by County: 2019:** Baseline domestic violence data
  - <https://www.criminaljustice.ny.gov/crimnet/ojsa/domesticviolence2019/index.htm>
- **Children's Direct Exposure to Types of Domestic Violence Crime: A Population-based Investigation:** Percent of domestic violence cases witnessed by children
  - [https://repository.upenn.edu/cgi/viewcontent.cgi?referer=&httpsredir=1&article=1125&context=gse\\_pubs](https://repository.upenn.edu/cgi/viewcontent.cgi?referer=&httpsredir=1&article=1125&context=gse_pubs)

- **Dramatic increase in overdose deaths in Queens as opioid crisis continues during COVID-19 pandemic: DA:** Increase in overdose deaths
  - <https://qns.com/story/2020/06/01/dramatic-increase-in-overdose-deaths-in-queens-as-opioid-crisis-continues-during-covid-19-pandemic-da/>
- **BCG Analysis:** Children losing parents to opioid overdoses in 2017
- **Adverse Childhood Experiences: National and State-Level Prevalence:** Baseline ACEs in New York
  - [https://childtrends-ciw49tixgw5lbab.stackpathdns.com/wp-content/uploads/2014/07/Brief-adverse-childhood-experiences\\_FINAL.pdf](https://childtrends-ciw49tixgw5lbab.stackpathdns.com/wp-content/uploads/2014/07/Brief-adverse-childhood-experiences_FINAL.pdf)
- **The Overlap Between Child Maltreatment and Woman Battering:** Double occurrence between child abuse and domestic violence
  - [https://www.researchgate.net/publication/249675194\\_The\\_Overlap\\_Between\\_Child\\_Maltreatment\\_and\\_Woman\\_Battering](https://www.researchgate.net/publication/249675194_The_Overlap_Between_Child_Maltreatment_and_Woman_Battering)
- **Key Facts about Child Maltreatment:** General rate of child abuse for double occurrence between losing a parent and abuse
  - <https://www.childtrends.org/indicators/child-maltreatment>
- **Severe Obesity In Adults Cost State Medicaid Programs Nearly \$8 Billion In 2013:** Cost of obesity
  - <https://www.healthaffairs.org/doi/full/10.1377/hlthaff.2015.0633>
- **Surgeon General's Report on Alcohol, Drugs, and Health:** Cost of drugs and binge drinking
  - <https://addiction.surgeongeneral.gov/executive-summary#2>
- **How Much Does the NYPD Spend on Misdemeanor Arrests?:** Cost of misdemeanor arrest
  - <https://www.newsweek.com/embargoeddec-156-pm-policing-costs-291948#:~:text=These%20studies%20generally%20put%20the,arrest%20from%20%241%2C000%20to%20%242%2C000.>
- **BEA Tables on GDP and PCE:** Inflation adjustments
  - <https://apps.bea.gov/iTable/iTable.cfm?reqid=19&step=2>
- **Adverse childhood experiences: retrospective study to determine their impact on adult health behaviours and health outcomes in a UK population:** Risk of incarceration due to ACEs
  - <https://academic.oup.com/jpubhealth/article/36/1/81/1571104>

- **Relationship of Childhood Abuse and Household Dysfunction to Many of the Leading Causes of Death in Adults:** Risks for other poor outcomes
  - <https://www.ajpmonline.org/action/showPdf?pii=S0749-3797%2898%2900017-8>
- **Attack-Related Life Disruption and Child Psychopathology in New York City Public Schoolchildren 6-Months Post-9/11:** General trauma increase of depression and PTSD
  - <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4110211/>
- **The co-occurrence of major depressive disorder among individuals with posttraumatic stress disorder: a meta-analysis:** Double occurrence between PTSD and depression
  - <https://pubmed.ncbi.nlm.nih.gov/23696449/>
- **2018 American Community Survey:** NYC children ages 10-17
  - <https://www.census.gov/programs-surveys/acs/data.html>
- **What is depression?:** Number of therapy sessions to see “significant improvement” in symptoms of Major Depressive Disorder
  - <https://www.psychiatry.org/patients-families/depression/what-is-depression>
- **How long will it take for treatment to work?:** Number of therapy sessions to see “significant improvement” in symptoms of PTSD
  - <https://www.apa.org/ptsd-guideline/patients-and-families/length-treatment>
- **How Much does Therapy Cost?:** Cost of therapy session in NYC and NYS
  - <https://thervo.com/costs/how-much-does-therapy-cost>
- **Long-term effects of youth unemployment on mental health: does an economic crisis make a difference?:** Increase in mental health hospital visits teen unemployment
  - <https://jech.bmj.com/content/jech/71/4/344.full.pdf>
- **The Cost of Mental Illness: New York Facts and Figures:** Cost of mental health hospital stay
  - [https://www.bhecon.org/wp-content/uploads/2018/01/NY-Chartbook-2018\\_FINAL.pdf](https://www.bhecon.org/wp-content/uploads/2018/01/NY-Chartbook-2018_FINAL.pdf)
- **COVID-19 and student learning in the United States: The hurt could last a lifetime:** Costs to students for months of learning lost
  - <https://www.mckinsey.com/industries/public-sector/our-insights/covid-19-and-student-learning-in-the-united-states-the-hurt-could-last-a-lifetime>
- **Use of Mental Health Services by Children and Adolescents Six Months After the World Trade Center Attack:** Increase in use of mental health services
  - [https://ps.psychiatryonline.org/doi/full/10.1176/appi.ps.201200586?url\\_ver=Z39.88-2003&rfr\\_id=ori:rid:crossref.org&rfr\\_dat=cr\\_pub%20%20pubmed](https://ps.psychiatryonline.org/doi/full/10.1176/appi.ps.201200586?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%20%20pubmed)

- **A Marshall Plan for Children’s Mental Health for COVID-19:** Mental health implications for children and necessary response
  - <https://ps.psychiatryonline.org/pb-assets/journals/ps/homepage/A%20Marshall%20Plan%20for%20Children%E2%80%99s%20Mental%20Health%20after%20COVID-19.pdf>

## 6 Undocumented Scale-Up

- **Profile of the Unauthorized Population: New York:** Baseline number of undocumented employed in New York
  - <https://www.migrationpolicy.org/data/unauthorized-immigrant-population/state/NY>
- **The New Strain of Inequality: The Economic Impact of COVID-19 in New York City:** Undocumented job loss in New York
  - [https://static1.squarespace.com/static/53ee4f0be4b015b9c3690d84/t/5e974be17687ca34b7517c08/1586973668757/NNewStrainofInequality\\_April152020.pdf](https://static1.squarespace.com/static/53ee4f0be4b015b9c3690d84/t/5e974be17687ca34b7517c08/1586973668757/NNewStrainofInequality_April152020.pdf)
- **Labor Statistics:** New York Department of Labor statistics on job loss
  - <https://labor.ny.gov/stats/>
- **State & Local Tax Contributions of Young Undocumented Immigrants:** Employment among those enrolled in DACA
  - <https://itep.org/state-local-tax-contributions-of-young-undocumented-immigrants/>
- **Deferred Action for Childhood Arrivals (DACA) Data Tools:** New York DACA enrollment
  - <https://www.migrationpolicy.org/programs/data-hub/deferred-action-childhood-arrivals-daca-profiles>
- **Key facts about unauthorized immigrants enrolled in DACA:** Portion of DACA that is 16-20
  - <https://www.pewresearch.org/fact-tank/2017/09/25/key-facts-about-unauthorized-immigrants-enrolled-in-daca/>

## 7 Racial/Ethnic Disparities

- **Race and the Economic Fallout from COVID-19 in New York City**
  - <https://www.cssny.org/news/entry/race-and-the-economic-fallout-from-covid-19-in-new-york-city>
- **Black workers face two of the most lethal preexisting conditions for coronavirus—racism and economic inequality**



- <https://www.epi.org/publication/black-workers-covid/>

## **8 Zip Code Analysis**

- **New York City COVID-19 Deaths by ZCTA:** For zip level deaths
  - <https://github.com/nychealth/coronavirus-data/blob/master/data-by-modzcta.csv>