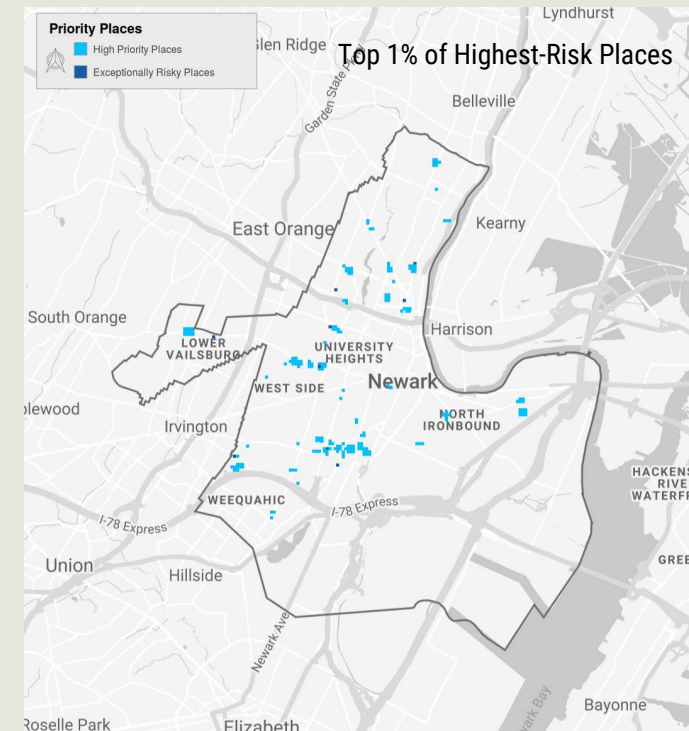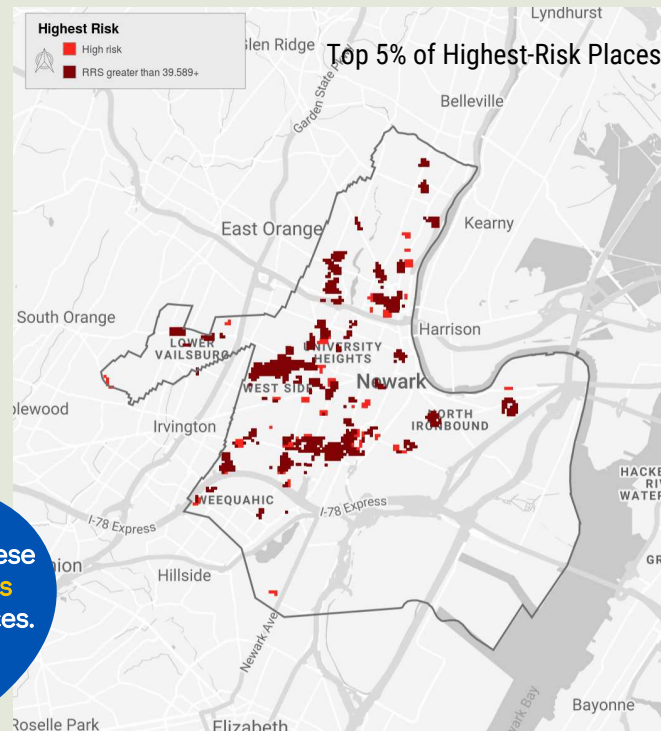# RTM Report - Newark, NJ

Diagnosis & Spatial Vulnerability Assessment for 2019
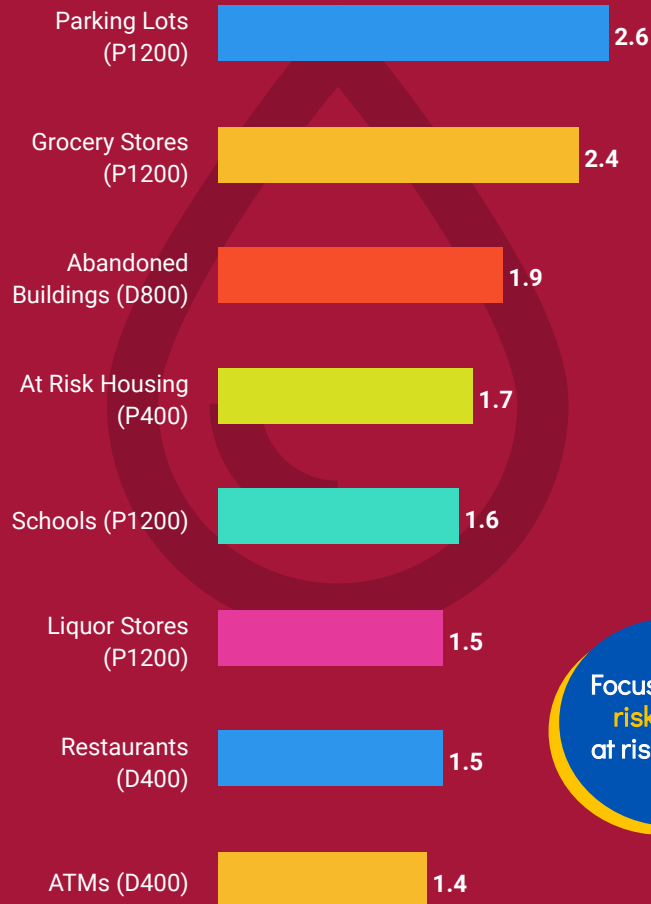### [Aggravated Assault]

Risk Terrain Modeling (RTM) diagnoses environmental conditions that influence behaviors and lead to crime outcomes. Use this assessment for problem-solving and to inform decisions about resource deployments, crime prevention and risk reduction strategies.

Crime Attractors & Risk Values

Attractor	Risk Value
Parking Lots (P1200)	2.6
Grocery Stores (P1200)	2.4
Abandoned Buildings (D800)	1.9
At Risk Housing (P400)	1.7
Schools (P1200)	1.6
Liquor Stores (P1200)	1.5
Restaurants (D400)	1.5
ATMs (D400)	1.4

Focus on these risk factors at risky places.

These risk terrain maps show vulnerable places for future crime. Deploy resources to focus on these places.

Highest Risk
- High risk
- RRS greater than 39.589+

Top 5% of Highest-Risk Places

Priority Places
- High Priority Places
- Exceptionally Risky Places

Top 1% of Highest-Risk Places

200 ft places = 17,588; Range = 1 to 111.637; Mean = 11.513; Standard Deviation = 14.038; Places > +2SD = 877

Crime Attractors are features of the environment that statistically relate to crime patterns. Interpret **Risk Values** as weighted influences of these features on criminal behaviors nearby. E.g., Places near attractors with a risk value of 6 are twice as vulnerable to crime compared to places near attractors with a risk value of 3. **Use this information to form risk narratives about the situational contexts of crime and then develop intervention strategies to disrupt the narratives and mitigate risks.** See riskterrainmodeling.com/risk-reduction.html
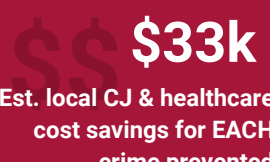
1485 Aggravated Assaults in 2018

704 Possibly Domestic Violence Related

512 Cases with a Weapon

$33k Est. local CJ & healthcare cost savings for EACH crime prevented

Predictive Validity

RTM predicted 5% of the city to be highest-risk in 2019. Predictive Accuracy Index (PAI) > 1 (greater than 1 is good). **There is HIGH CONFIDENCE in the RTM forecasts.**
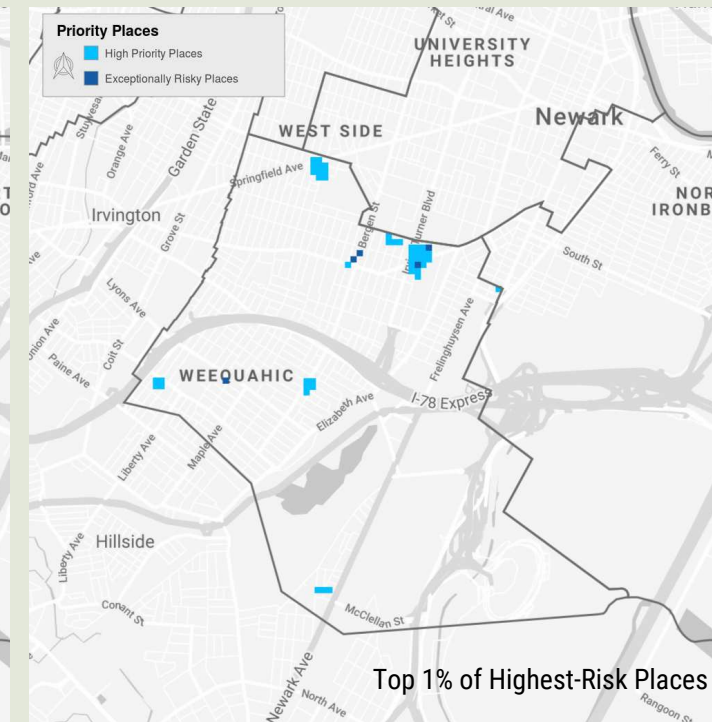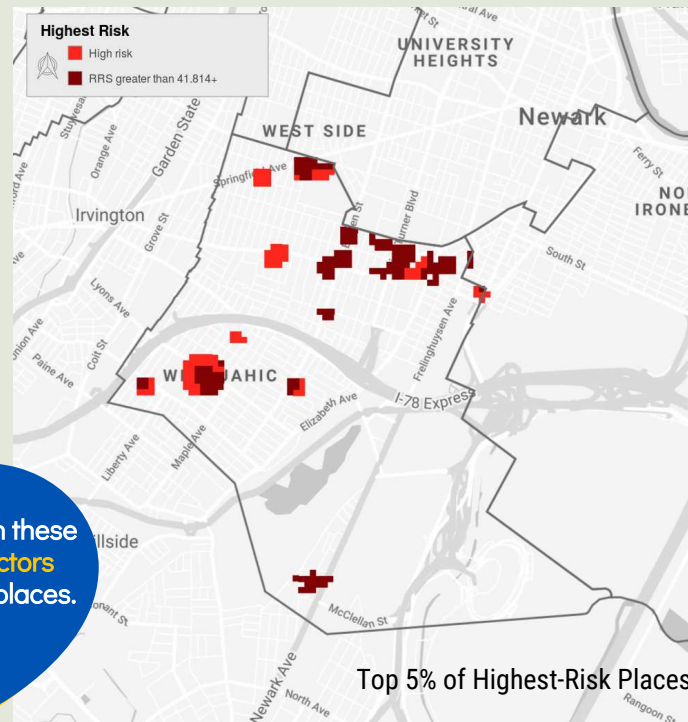
Diagnosis & Spatial Vulnerability Assessment for 2019 in the South Ward
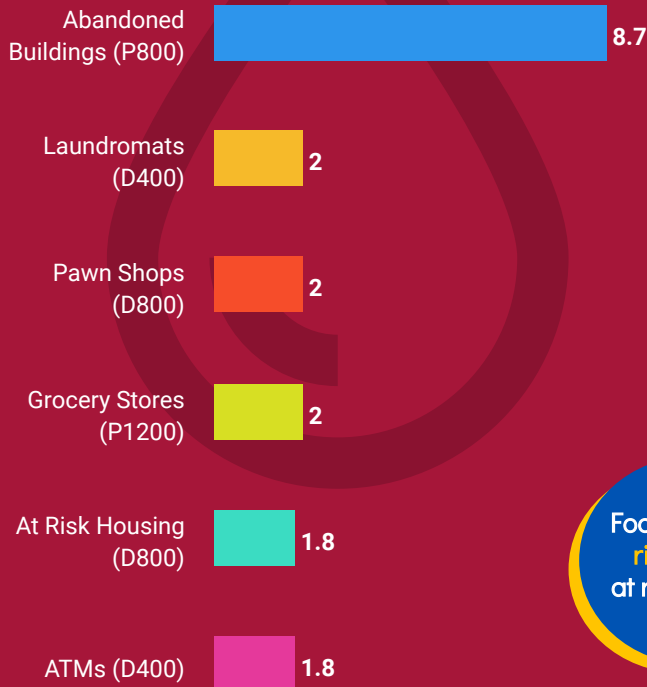### [Aggravated Assault]

Risk Terrain Modeling (RTM) diagnoses environmental conditions that influence behaviors and lead to crime outcomes. Use this assessment for problem-solving and to inform decisions about resource deployments, crime prevention and risk reduction strategies.

Crime Attractors & Risk Values

- Abandoned Buildings (P800) **8.7**
- Laundromats (D400) **2**
- Pawn Shops (D800) **2**
- Grocery Stores (P1200) **2**
- At Risk Housing (D800) **1.8**
- ATMs (D400) **1.8**

Focus on these **risk factors** at risky places.

Crime Attractors are features of the environment that statistically relate to crime patterns. Interpret **Risk Values** as weighted influences of these features on criminal behaviors nearby. E.g., Places near attractors with a risk value of 6 are twice as vulnerable to crime compared to places near attractors with a risk value of 3. **Use this information to form risk narratives about the situational contexts of crime and then develop intervention strategies to disrupt the narratives and mitigate risks.** See riskterrainmodeling.com/risk-reduction.html

These risk terrain maps show vulnerable places for future crime. Deploy resources to focus on these places.

Highest Risk
- High risk
- RRS greater than 41.814+

Top 5% of Highest-Risk Places

Priority Places
- High Priority Places
- Exceptionally Risky Places

Top 1% of Highest-Risk Places

200 ft places = 3,963; Range = 1 to 124.541; Mean = 12.855; Standard Deviation = 14.480; Places > +2SD = 151

457 Aggravated Assaults in 2018

3974 CFS for Disorder, Mischief & Trespass

2469 CFS for Drugs

301 Abandoned Buildings

Predictive Validity

RTM predicted 3.8% of the South Ward to be highest-risk in 2019. Predictive Accuracy Index (PAI) > 1 (greater than 1 is good). **There is HIGH CONFIDENCE in the RTM forecasts.**
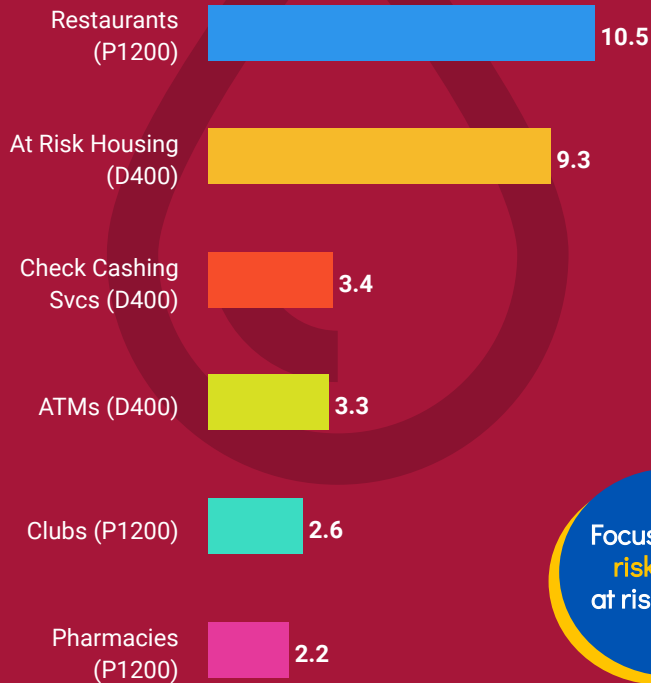
Crime Attractors & Risk Values

- Restaurants (P1200): **10.5**
- At Risk Housing (D400): **9.3**
- Check Cashing Svcs (D400): **3.4**
- ATMs (D400): **3.3**
- Clubs (P1200): **2.6**
- Pharmacies (P1200): **2.2**

Focus on these *risk factors* at risky places.

Crime Attractors are features of the environment that statistically relate to crime patterns. Interpret **Risk Values** as weighted influences of these features on criminal behaviors nearby. E.g., Places near attractors with a risk value of 6 are twice as vulnerable to crime compared to places near attractors with a risk value of 3. **Use this information to form risk narratives about the situational contexts of crime and then develop intervention strategies to disrupt the narratives and mitigate risks.** See riskterrainmodeling.com/risk-reduction.html

Diagnosis & Spatial Vulnerability Assessment for 2019 in the East Ward
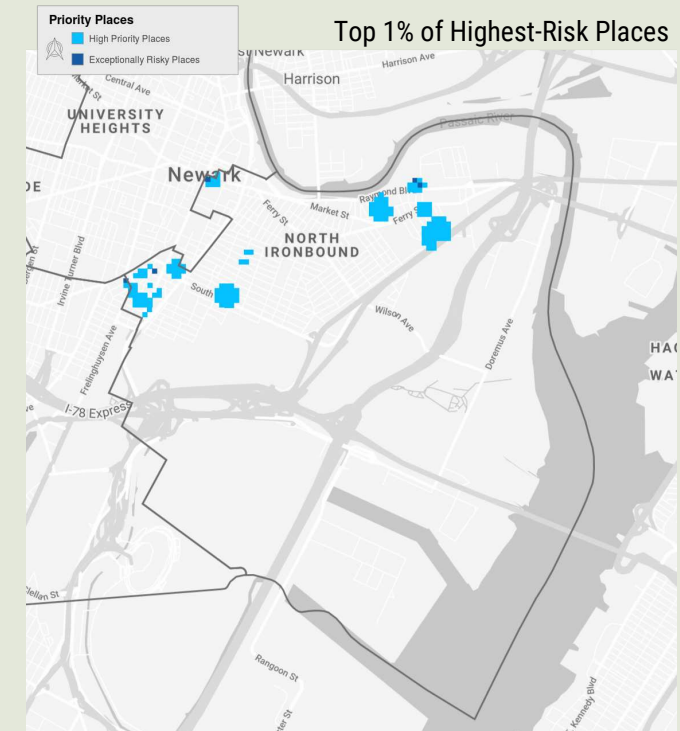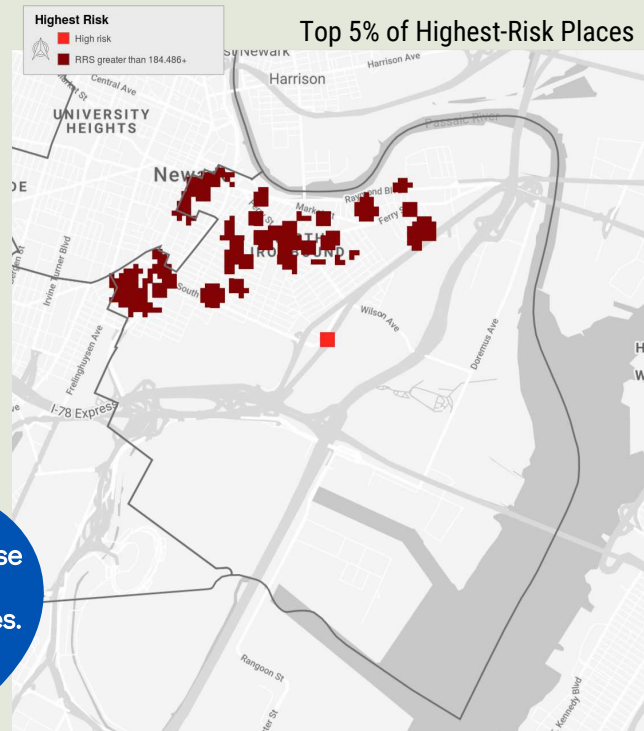### [Aggravated Assault]

Risk Terrain Modeling (RTM) diagnoses environmental conditions that influence behaviors and lead to crime outcomes. Use this assessment for problem-solving and to inform decisions about resource deployments, crime prevention and risk reduction strategies.

These risk terrain maps show vulnerable places for future crime. Deploy resources to focus on these places.

Top 5% of Highest-Risk Places

Highest Risk
- High risk
- RRS greater than 184.486+

Top 1% of Highest-Risk Places

Priority Places
- High priority Places
- Exceptionally Risky Places

200 ft places = 8,527; Range = 1 to 1897.857; Mean = 23.161; Standard Deviation = 80.662; Places > +2SD = 421

147 Aggravated Assaults in 2018

704 CFS for Disorder, Mischief & Trespass

1197 CFS for Drugs

120 Abandoned Buildings

Predictive Validity

RTM predicted 4.9% of the East Ward to be highest-risk in 2019. Predictive Accuracy Index (PAI) > 1 (greater than 1 is good). **There is HIGH CONFIDENCE in the RTM forecasts.**
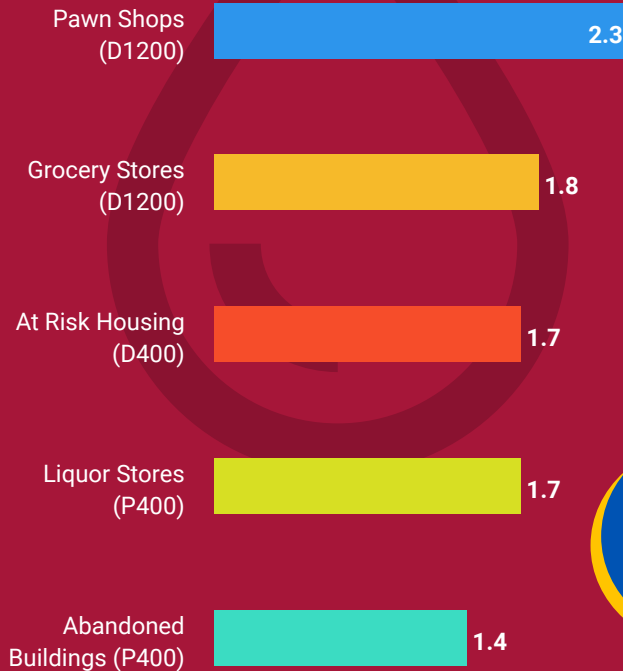
Diagnosis & Spatial Vulnerability Assessment for 2019 in the West Ward
[Aggravated Assault]

Risk Terrain Modeling (RTM) diagnoses environmental conditions that influence behaviors and lead to crime outcomes. Use this assessment for problem-solving and to inform decisions about resource deployments, crime prevention and risk reduction strategies.
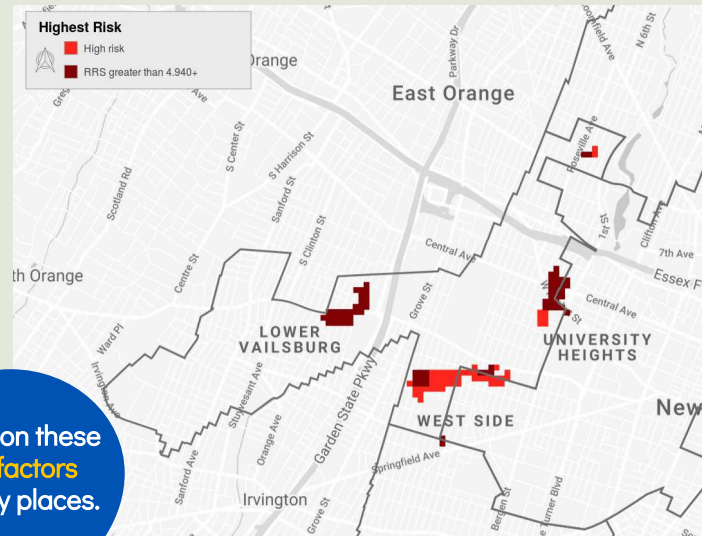
Crime Attractors & Risk Values

Pawn Shops (D1200) — **2.3**

Grocery Stores (D1200) — **1.8**

At Risk Housing (D400) — **1.7**

Liquor Stores (P400) — **1.7**

Abandoned Buildings (P400) — **1.4**

Focus on these **risk factors** at risky places.

These risk terrain maps show vulnerable places for future crime. Deploy resources to focus on these places.
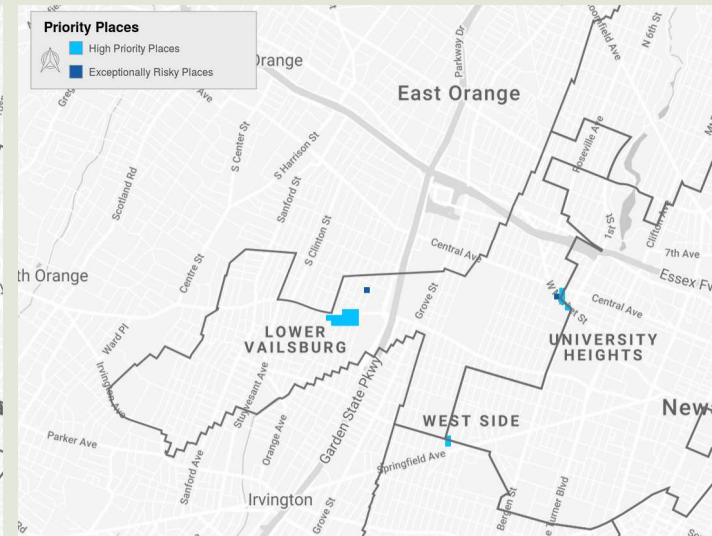
Top 5% of Highest-Risk Places

Highest Risk
- High risk
- RRS greater than 4.940+

Top 1% of Highest-Risk Places

Priority Places
- High Priority Places
- Exceptionally Risky Places

200 ft places = 2,130; Range = 1 to 16.860; Mean = 1.986; Standard Deviation = 1.477; Places > +2SD = 71

Crime Attractors are features of the environment that statistically relate to crime patterns. Interpret **Risk Values** as weighted influences of these features on criminal behaviors nearby. E.g., Places near attractors with a risk value of 6 are twice as vulnerable to crime compared to places near attractors with a risk value of 3. **Use this information to form risk narratives about the situational contexts of crime and then develop intervention strategies to disrupt the narratives and mitigate risks.** See riskterrainmodeling.com/risk-reduction.html

368 Aggravated Assaults in 2018

3040 CFS for Disorder, Mischief & Trespass

2589 CFS for Drugs

266 Abandoned Buildings

Predictive Validity

RTM predicted 3.3% of the West Ward to be highest-risk in 2019. Predictive Accuracy Index (PAI) > 1 (greater than 1 is good). **There is HIGH CONFIDENCE in the RTM forecasts.**
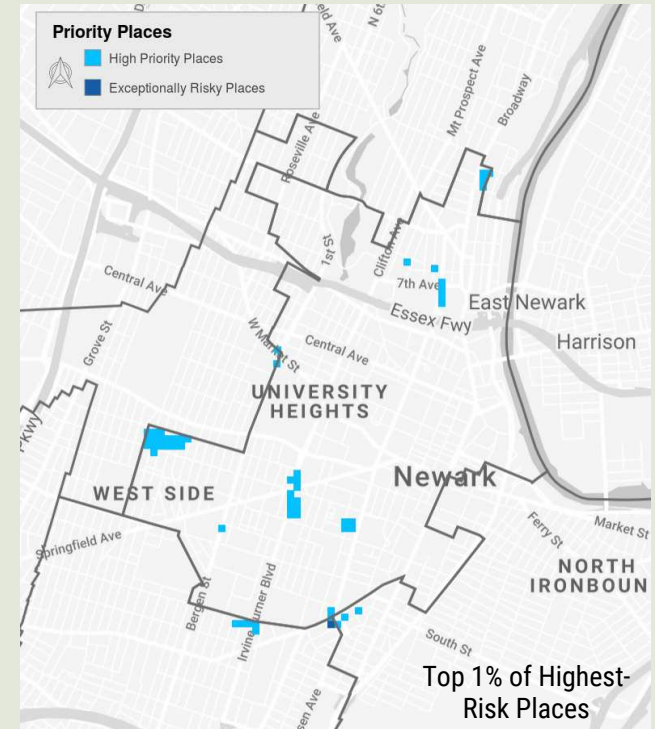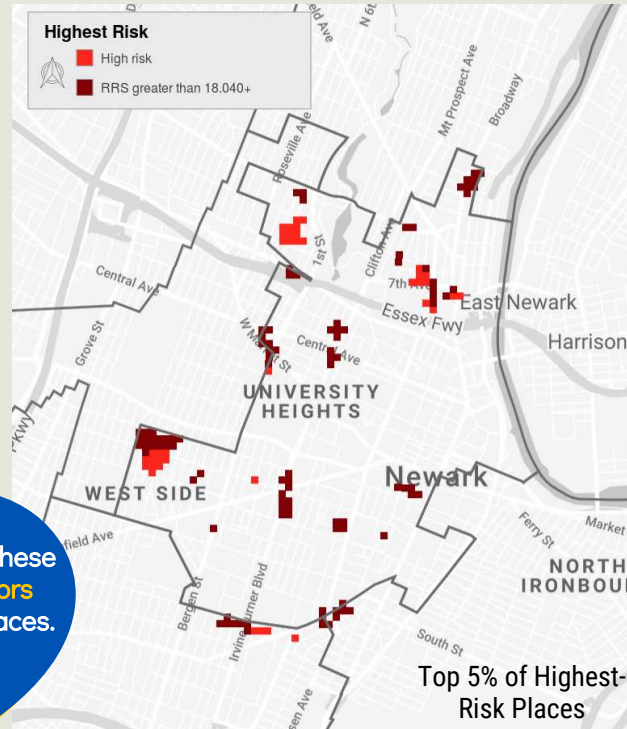
Crime Attractors & Risk Values

Liquor Stores (P1200) — 2.1

At Risk Housing (D400) — 1.9

ATMs (D400) — 1.9

Abandoned Buildings (D800) — 1.9

Restaurants (P800) — 1.6

Grocery Stores (P800) — 1.6

NHA Public Housing (P1200) — 1.5

Crime Attractors are features of the environment that statistically relate to crime patterns. Interpret **Risk Values** as weighted influences of these features on criminal behaviors nearby. E.g., Places near attractors with a risk value of 6 are twice as vulnerable to crime compared to places near attractors with a risk value of 3. **Use this information to form risk narratives about the situational contexts of crime and then develop intervention strategies to disrupt the narratives and mitigate risks.** See riskterrainmodeling.com/risk-reduction.html

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Diagnosis & Spatial Vulnerability Assessment for 2019 in the Central Ward
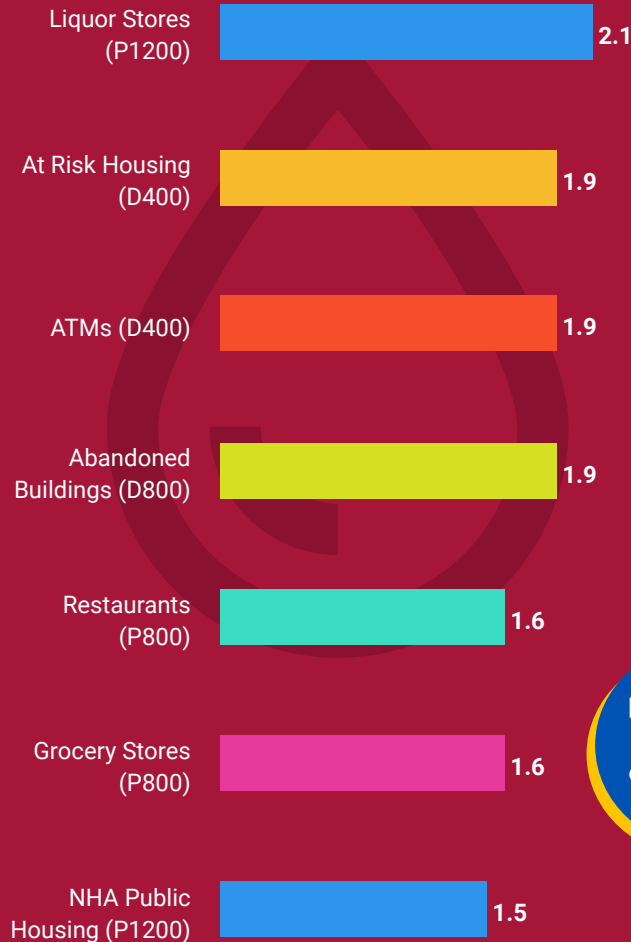## [Aggravated Assault]

Risk Terrain Modeling (RTM) diagnoses environmental conditions that influence behaviors and lead to crime outcomes. Use this assessment for problem-solving and to inform decisions about resource deployments, crime prevention and risk reduction strategies.

These risk terrain maps show vulnerable places for future crime. Deploy resources to focus on these places.

Highest Risk
- High risk
- RRS greater than 18.040+

Top 5% of Highest-Risk Places

Priority Places
- High Priority Places
- Exceptionally Risky Places

Top 1% of Highest-Risk Places

Focus on these risk factors at risky places.

200 ft places = 2,576; Range = 1 to 51,154; Mean = 6.555; Standard Deviation = 5.743; Places > +2SD = 100

326 Aggravated Assaults in 2018

5172 CFS for Disorder, Mischief & Trespass

2240 CFS for Drugs

188 Abandoned Buildings

Predictive Validity

RTM predicted 3.9% of the Central Ward to be highest-risk in 2019. Predictive Accuracy Index (PAI) > 1 (greater than 1 is good). **There is HIGH CONFIDENCE in the RTM forecasts.**
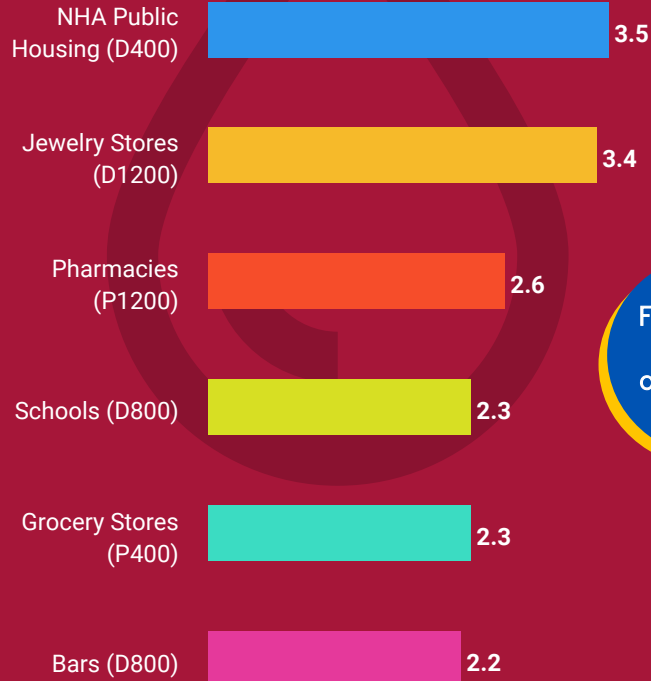
RTM Report - Newark, NJ

Diagnosis & Spatial Vulnerability Assessment for 2019 in the North Ward
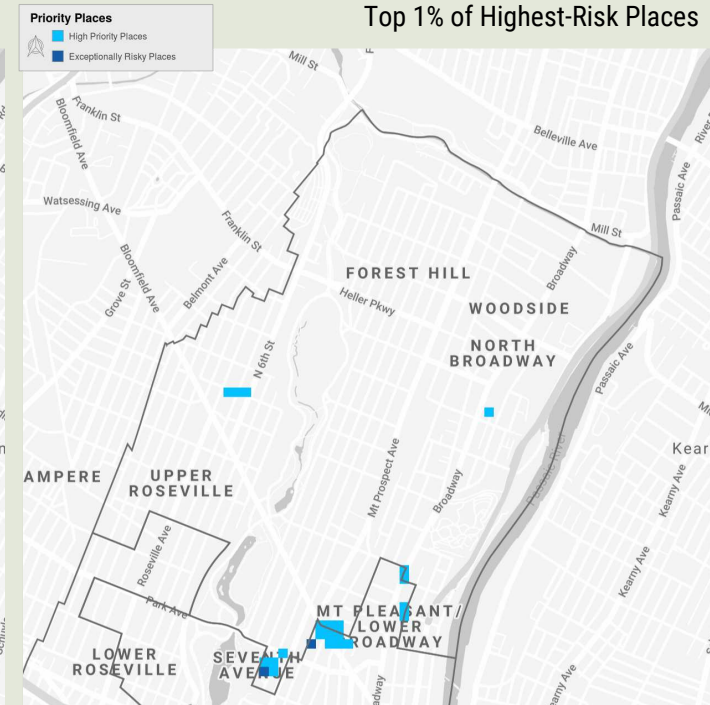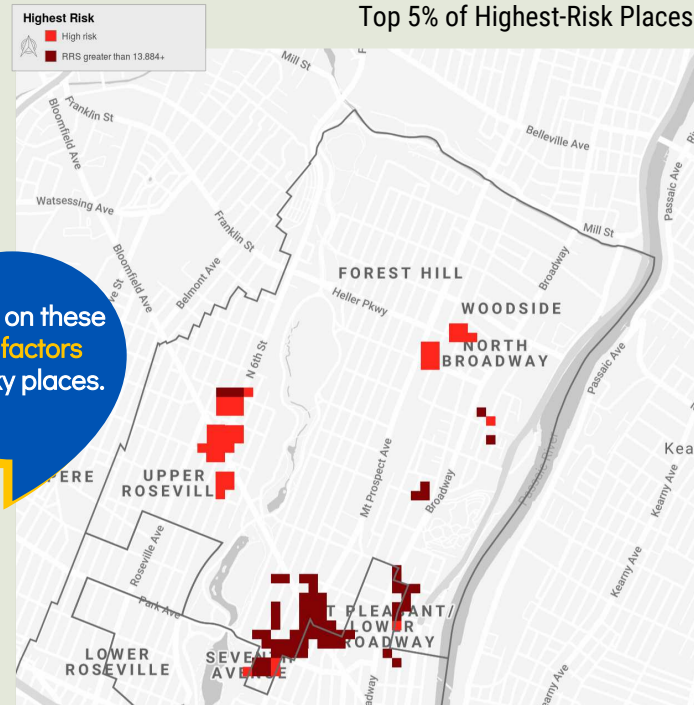## [Aggravated Assault]

Risk Terrain Modeling (RTM) diagnoses environmental conditions that influence behaviors and lead to crime outcomes. Use this assessment for problem-solving and to inform decisions about resource deployments, crime prevention and risk reduction strategies.

Crime Attractors & Risk Values

- NHA Public Housing (D400): **3.5**
- Jewelry Stores (D1200): **3.4**
- Pharmacies (P1200): **2.6**
- Schools (D800): **2.3**
- Grocery Stores (P400): **2.3**
- Bars (D800): **2.2**

Focus on these **risk factors** at risky places.

These risk terrain maps show vulnerable places for future crime. Deploy resources to focus on these places.

Top 5% of Highest-Risk Places

Highest Risk
- High risk
- RRS greater than 13.884+

Top 1% of Highest-Risk Places

Priority Places
- High Priority Places
- Exceptionally Risky Places

200 ft places = 2,113; Range = 1 to 48,179; Mean = 3,794; Standard Deviation = 5,045; Places > +2SD = 65

185 Aggravated Assaults in 2018

2121 CFS for Disorder, Mischief & Trespass

979 CFS for Drugs

107 Abandoned Buildings

Crime Attractors are features of the environment that statistically relate to crime patterns. Interpret **Risk Values** as weighted influences of these features on criminal behaviors nearby. E.g., Places near attractors with a risk value of 6 are twice as vulnerable to crime compared to places near attractors with a risk value of 3. **Use this information to form risk narratives about the situational contexts of crime and then develop intervention strategies to disrupt the narratives and mitigate risks.** See riskterrainmodeling.com/risk-reduction.html

Predictive Validity

RTM predicted 3.1% of the North Ward to be highest-risk in 2019. Predictive Accuracy Index (PAI) > 1 (greater than 1 is good). **There is HIGH CONFIDENCE in the RTM forecasts**