**Single Variable and Scalar Predicates:**

Population = 1000

Percent\_Male <= 100

Percent\_Male >= 0

Percent5andUnder =0

Percent5to18 =0

Percent18to65 = 100

Percent65andOlder=0

Restaurants=100

AverageDrivingVelocity=15

Percent\_Male > Percent\_Female

Percent\_HealthInsuredUnder65 = Perc ent\_HealthInsuredOver65

Percent\_HealthInsuredUnder65 =100

Market\_highCal\_min<Market\_highCal\_max

Market\_highCal\_min<=Market\_highCal\_mode

Market\_highCal\_max>=Market\_highCal\_mode

**Single Variable Predicates formed from Compound Predicates:**

Percent\_Travel\_Method = 100

Percent\_Eating\_Habits = 100

Percent\_Heatlh\_Conscious = 100

Percent\_Health\_Response = 100

Percent\_BMI\_Levels = 100

Percent\_Physical \_Activity = 100

Percent\_Workplace\_Activity = 100

Percent\_Restaurant\_Type = 100

Percent\_Peer\_Pressured = 100

Percent\_Workplace\_Lunch\_Length = 100

**Compound Predicates:**

PercentDriveToWork + PercentBikeToWork + PercentWalkToWork = 100

PercentEatingHabitsHealthy + PercentEatingHabitsHighCalorie + PercentEatingHabitsMediumCalorie = 100

PercentHealthConscious\_No + PercentHealthConscious\_Yes = 100

PercentHealthResponse\_ASAP + PercentHealthResponse\_DoNothing = 100

PercentObese + PercentNormal + PercentOverweight + PercentUnderweight = 100

PercentPhysicalActivityExtraActive + PercentPhysicalActivityLightlyActive + PercentPhysicalActivityModeratelyActive + PercentPhysicalActivityNotActive + PercentPhysicalActivityVeryActive = 100

PercentWorkplaceActivityMod + PercentWorkplaceActivityNone + PercentWorkplaceActivityVery + PercentWorkplaceActivityLight = 100

RestaurantPercentFastFood + RestaurantPercentMarket + RestaurantPercentNonFastFood = 100

PercentPeerPressured\_No + PercentPeerPressured\_Yes = 100

PercentWorkplaces\_30MinLunch + PercentWorkplaces\_60MinLunch = 100