

# Opioid Risk Assessment Solution

A Patient centric approach for risk identification and early intervention

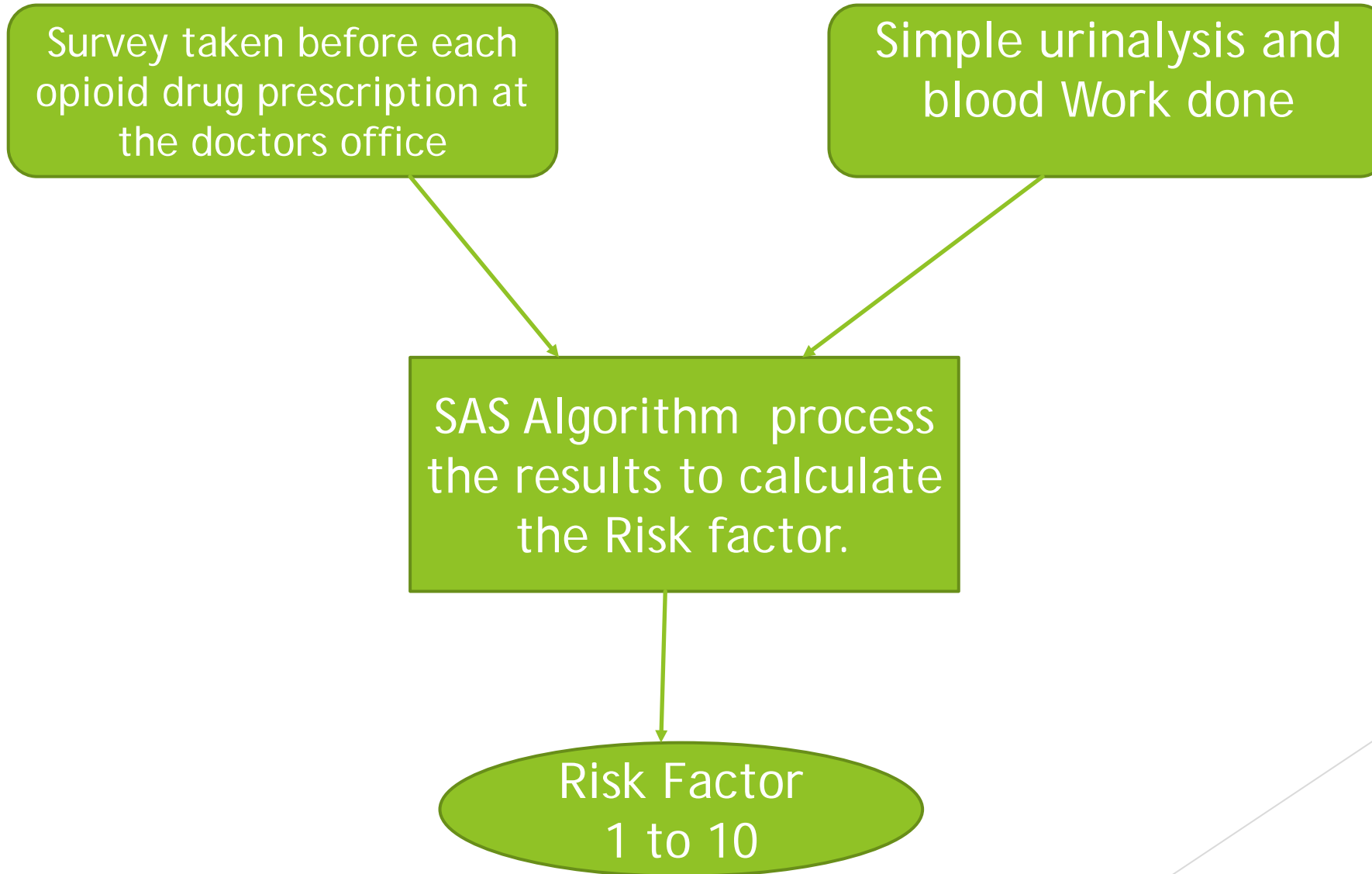
# Process Flow of the Solution

Survey taken before each opioid drug prescription at the doctors office

Simple urinalysis and blood Work done

SAS Algorithm process the results to calculate the Risk factor.

Risk Factor  
1 to 10



# Opioid Addiction Form

Please fill this short survey form to know the risk factors for opioid treatment.

\* Required

Please enter your ID? \*

Your answer

Enter your ZipCode \*

Your answer

Diseases

Cardio

Psycho

Survey



Lab Results

```
Opioid_test_model_V2
Program Log Output Data (24) Results
Save Run Stop Selected Server: SASApp (Connected) Analyze Program Export Send To Create Changes Commit History Properties
,CASE WHEN Hematological = 'Y' AND Hematological_LEVEL = 'XH' THEN 1 ELSE 0 END AS HEMEH
,CASE WHEN Hematological = 'Y' AND Hematological_LEVEL = 'VH' THEN 1 ELSE 0 END AS HEMVH
,CASE WHEN Hematological = 'Y' AND Hematological_LEVEL = 'M' THEN 1 ELSE 0 END AS HEMM
,CASE WHEN Hematological = 'Y' AND Hematological_LEVEL = 'L' THEN 1 ELSE 0 END AS HEML
,CASE WHEN OPIOID_MEDICATION = 'Y' AND OPIOID_MEDICATION_LEVEL = 'L' THEN 1 ELSE 0 END AS OPML
,CASE WHEN OPIOID_MEDICATION = 'Y' AND OPIOID_MEDICATION_LEVEL = 'M' THEN 1 ELSE 0 END AS OPMM
,CASE WHEN OPIOID_MEDICATION = 'Y' AND OPIOID_MEDICATION_LEVEL = 'H' THEN 1 ELSE 0 END AS OPMH
,CASE WHEN TIMEPERIOD = '1-15' THEN 1 ELSE 0 END AS TP_15D
,CASE WHEN TIMEPERIOD = '16-30' THEN 1 ELSE 0 END AS TP_15D
,CASE WHEN TIMEPERIOD = '1-2' THEN 1 ELSE 0 END AS TP_1_3M
,CASE WHEN TIMEPERIOD = '3-6' THEN 1 ELSE 0 END AS TP_3_6M
,CASE WHEN TIMEPERIOD = '6+' THEN 1 ELSE 0 END AS TP_6MPlus
,CASE WHEN Opioid_Stimulants = 'Y' AND Opioid_Stimulants_LEVEL = 'H' THEN 1 ELSE 0 END AS OSH
,CASE WHEN Opioid_Stimulants = 'Y' AND Opioid_Stimulants_LEVEL = 'M' THEN 1 ELSE 0 END AS OSM
,CASE WHEN Benzodiazepines = 'Y' AND Benzodiazepines_LEVEL = 'H' THEN 1 ELSE 0 END AS BENH
,CASE WHEN Benzodiazepines = 'Y' AND Benzodiazepines_LEVEL = 'M' THEN 1 ELSE 0 END AS BENM
,CASE WHEN Benzodiazepines = 'Y' AND Benzodiazepines_LEVEL = 'L' THEN 1 ELSE 0 END AS BENL
,CASE WHEN Alcohol_Cosumption = 'Y' AND Alcohol_Cosumption_LEVEL = 'VH' THEN 1 ELSE 0 END AS ALCVH
,CASE WHEN Alcohol_Cosumption = 'Y' AND Alcohol_Cosumption_LEVEL = 'H' THEN 1 ELSE 0 END AS ALCH
,CASE WHEN Alcohol_Cosumption = 'Y' AND Alcohol_Cosumption_LEVEL = 'M' THEN 1 ELSE 0 END AS ALCM
,CASE WHEN Alcohol_Cosumption = 'Y' AND Alcohol_Cosumption_LEVEL = 'L' THEN 1 ELSE 0 END AS ALCL
,SURVEY_DATE
FROM INPUTDATA&COUNT.
```

SAS Algorithm

# Factors taken into consideration for calculating Addiction Risk



# Impact

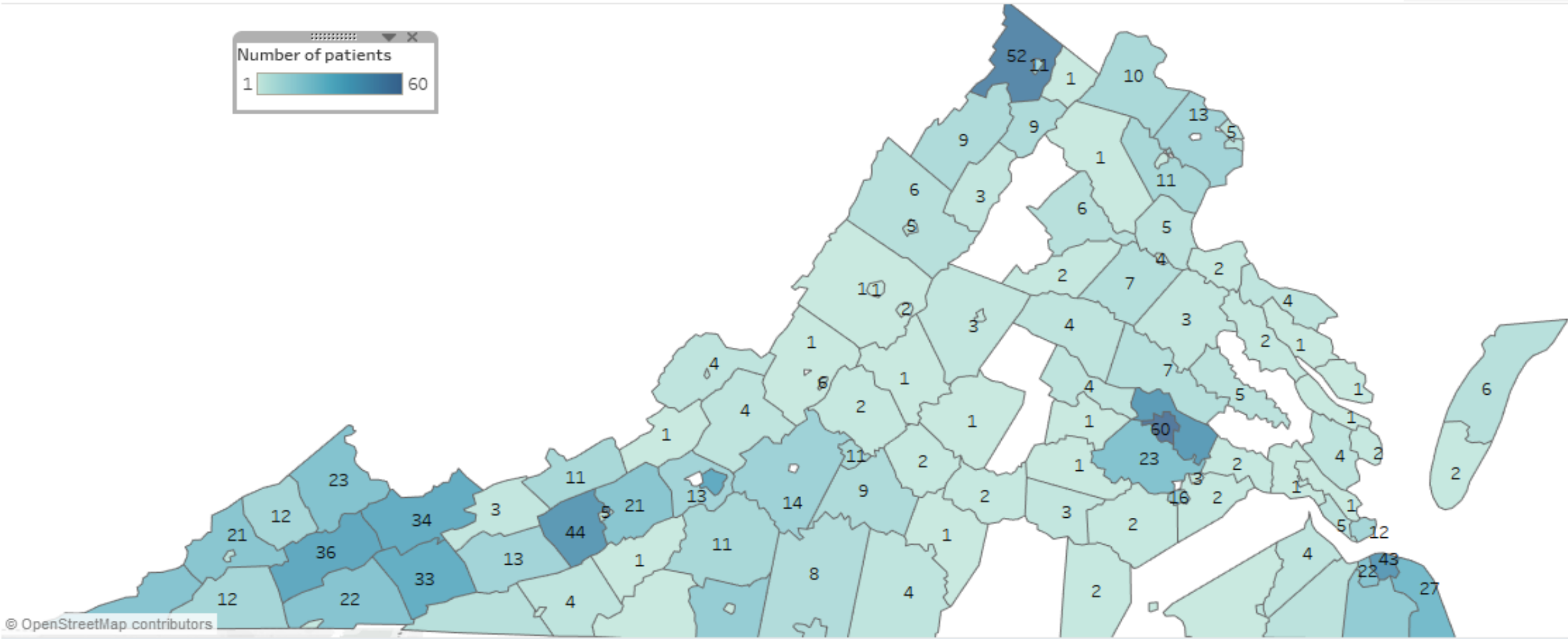
## High Feasibility

- Easy to use
- Scalable
- Universal reach
- Potential addition to PDMP(Prescription Drug Monitoring Program)

## High Impact

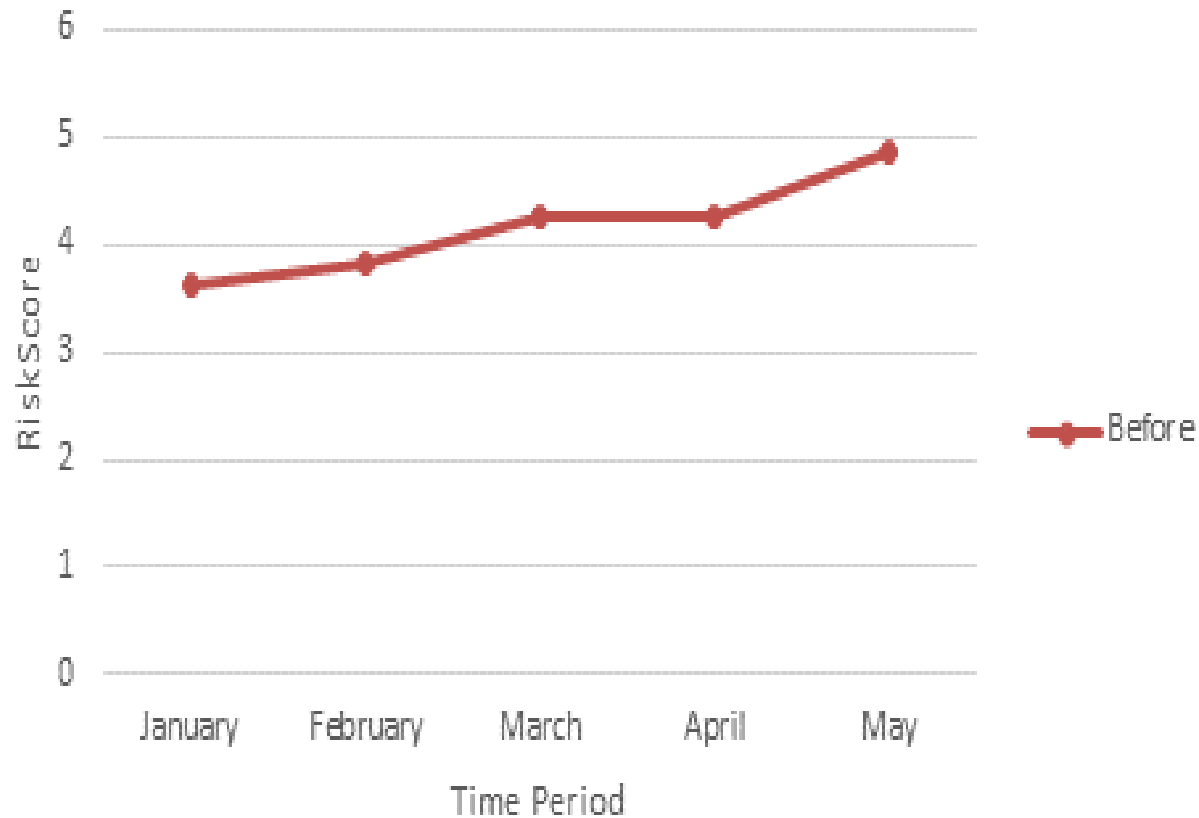
- Facilitates early intervention
- Very proactive
- Health care providers can make very informed decisions.
- Data sharing will help education, outreach and law enforcement.

# Data sharing will help education, outreach and law enforcement.

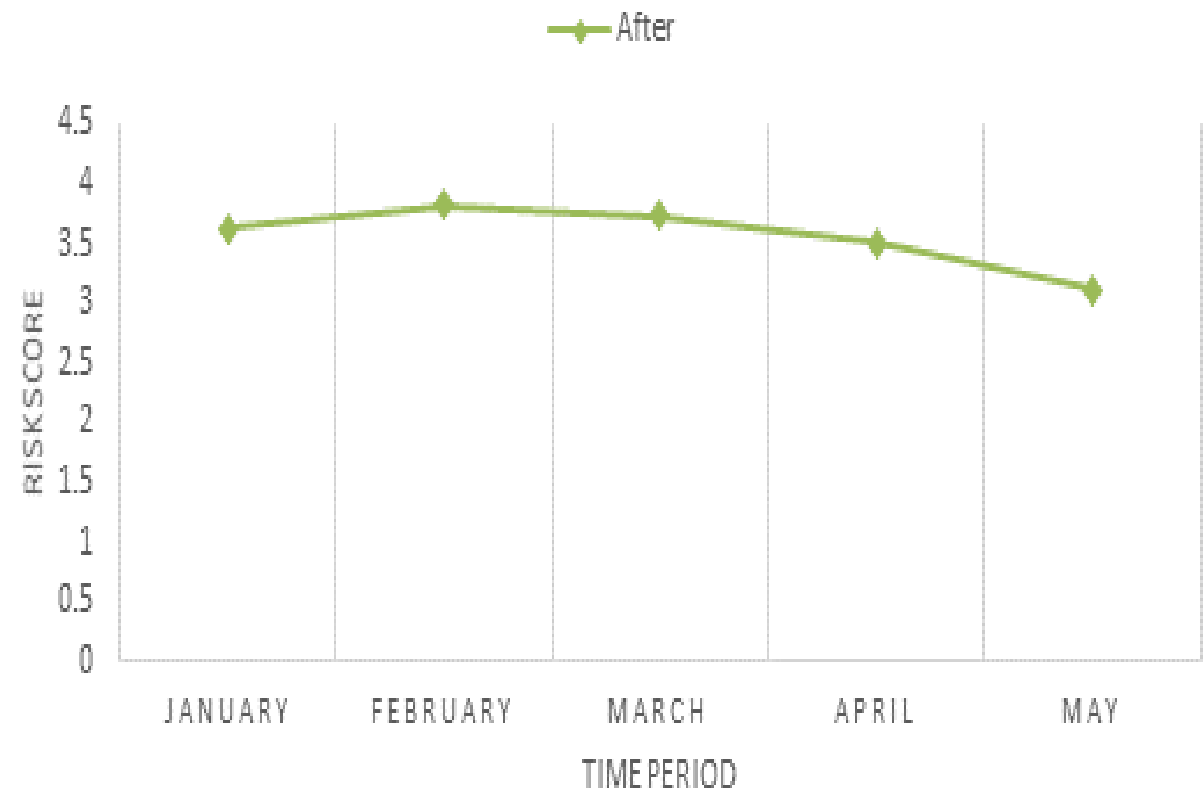


# Current vs Future Scenario

Risk Factor overtime



RISK FACTOR OVERTIME



# Recommendations

## PDMS program need to integrate with this tool

- Recommend state provide appropriate legal framework, MOUs, and technical resources from relevant agency staff

## American Academy of Pediatrics

- Recommends to start kids 11 year and above to start drug screening