

# 1 Decision Tables

1.1 Decision Table

Tobacco\_UW\_STP\_Template\_Instance(DetermineRGARquest, integer, DetermineRGAIintermediateResult, DetermineRGAResponse)

Ever used Tobacco Products?	Type of Tobacco Product Used	Last Time Used	Frequency	Tobacco UW STP	UW Handling Type	Rating Type	Add Habit Disclosure
false	N/A	N/A	N/A	Accept	Best		Add HabitDisclosures
true	contains Cigarettes, Pipe Tobacco, Electronic Cigarettes, Chewing Tobacco, Hookah, Nicotine Patch, Nicotine Gum, Other Tobacco	< 12	N/A	Accept	Best	Tobacco	Add HabitDisclosures
true	contains Cigarettes, Pipe Tobacco, Electronic Cigarettes, Chewing Tobacco, Hookah, Nicotine Patch, Nicotine Gum, Other Tobacco	>= 12	N/A	Accept	Good		Add HabitDisclosures
true	contains Cigars	>= 12	N/A	Accept	Good		Add HabitDisclosures
true	contains Cigars	< 12	> 12	Accept	Best	Tobacco	Add HabitDisclosures
true	contains Cigars	< 12	<= 12	Accept	Good		Add HabitDisclosures

Variable Summary

habitDisclosure

tobaccoHabit

habitDisclosureIntermediate

Rule Summary

rule1

rule3

rule4

rule5

rule6

**Comment:**

6/30/24, 10:59 PM

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**decisionTableRow:**

1

**decisionTableColumn:**

7

**SRL:**

```
rule rule1 executing "exhaustively"
is
if ((habitDisclosure.everUsedTobaccoProduct = false) and
    true and
    true and
    true)
then {
    habitDisclosureIntermediate.underwritingSTP = "Accept".
    habitDisclosureIntermediate.habitType = "Best".
    habitDisclosureIntermediate.ratingType = "".
    RGAExtenders.addHabitDisclosuresIntermediate(rgaIntermediate,habitDisclosureIntermediate);
}
```

**rule3**

**Comment:**

**decisionTableRow:**

2

**decisionTableColumn:**

7

**SRL:**

```
rule rule3 executing "exhaustively"
is
if ((habitDisclosure.everUsedTobaccoProduct = true) and
    RGAExtenders.containsStringCheck(habitDisclosure.typeofTobaccoProduct,"Cigarettes, Pipe Tobacco, Electronic Cigarettes, Chewing Tobacco, Ho
    (habitDisclosure.lastTimeTobaccoUsed < 12) and
    true)
then {
    habitDisclosureIntermediate.underwritingSTP = "Accept".
    habitDisclosureIntermediate.habitType = "Best".
    habitDisclosureIntermediate.ratingType = "Tobacco".
    RGAExtenders.addHabitDisclosuresIntermediate(rgaIntermediate,habitDisclosureIntermediate);
}
```

**rule4**

**Comment:**

**decisionTableRow:**

3

**decisionTableColumn:**

7

**SRL:**

```
rule rule4 executing "exhaustively"
is
if ((habitDisclosure.everUsedTobaccoProduct = true) and
    RGAExtenders.containsStringCheck(habitDisclosure.typeofTobaccoProduct,"Cigarettes, Pipe Tobacco, Electronic Cigarettes, Chewing Tobacco, Ho
    (habitDisclosure.lastTimeTobaccoUsed >= 12) and
    true)
then {
```

**Comment:**

**decisionTableRow:**

5

**decisionTableColumn:**

7

**SRL:**

```
rule rule6 executing "exhaustively"
is
if ((habitDisclosure.everUsedTobaccoProduct = true) and
    RGAExtenders.containsStringCheck(habitDisclosure.typeofTobaccoProduct,"Cigars") and
    (habitDisclosure.lastTimeTobaccoUsed < 12) and
    (habitDisclosure.tobaccoUsageFrequency > 12))
then {
    habitDisclosureIntermediate.underwritingSTP = "Accept".
    habitDisclosureIntermediate.habitType = "Best".
    habitDisclosureIntermediate.ratingType = "Tobacco".
    RGAExtenders.addHabitDisclosuresIntermediate(rgaIntermediate,habitDisclosureIntermediate);
}
```

**rule2**

**Comment:**

**decisionTableRow:**

6

**decisionTableColumn:**

7

**decisionTableCreated:**

Mar 1, 2021, 1:05 AM

**SRL:**

```
rule rule2 executing "exhaustively"
is
if ((habitDisclosure.everUsedTobaccoProduct = true) and
    RGAExtenders.containsStringCheck(habitDisclosure.typeofTobaccoProduct,"Cigars") and
    (habitDisclosure.lastTimeTobaccoUsed < 12) and
    (habitDisclosure.tobaccoUsageFrequency <= 12))
then {
    habitDisclosureIntermediate.underwritingSTP = "Accept".
    habitDisclosureIntermediate.habitType = "Good".
    habitDisclosureIntermediate.ratingType = "".
    RGAExtenders.addHabitDisclosuresIntermediate(rgaIntermediate,habitDisclosureIntermediate);
}
```

**1.2 Decision Table**  
**SCUBA\_UW\_STP\_Template\_Instance(DetermineRGAResult, integer, DetermineRGAIntermediateResult, DetermineRGAResponse)**

Dive Alone? (YES,NO)	Accidents? (YES,NO)	Dive Purpose Risk(Low, Moderate, High, Extreme)	Dive Training Risk (Low, Moderate, High, Extreme)	SCUBA UW STP (Accept, RUW, Decline)	UW Handling Type (Light Touch, Full)	Add SUBA

addSUBAFlag

Rule Summary

- rule1
- rule3
- rule2
- rule5
- rule6
- rule7
- rule4
- rule8

Variable Details

**avocationDisclosure**

An instance of **AvocationDisclosure**

**avocationDisclosureIntermediate**

An instance of **AvocationDisclosureIntermediate**

**addSUBAFlag**

An instance of **Boolean**

Rule Details

**rule1**

**Comment:**

**decisionTableRow:**

1

**decisionTableColumn:**

6

**SRL:**

```
rule rule1 executing "exhaustively"
is
if ((avocationDisclosure.diveAloneIndicator <> null and avocationDisclosure.diveAloneIndicator.equalsIgnoreCase("Yes")) and
    (avocationDisclosure.divingAccidentsIndicator <> null and avocationDisclosure.diveAloneIndicator.equalsIgnoreCase("Yes")) and
```

**Comment:**

**decisionTableCellRow:**

3

**decisionTableCellColumn:**

6

**decisionTableCellCreated:**

Mar 3, 2021, 12:03 PM

**SRL:**

```
rule rule2 executing "exhaustively"
is
if (true and
    true and
    true and
    (((avocationDisclosure.divingTraining <> null and avocationDisclosure.divingTraining.equalsIgnoreCase("Extreme")))))
then {
    avocationDisclosureIntermediate.underwrittingSTP = "Decline";
    RGAExtenders.addAvocationDisclosureIntermediate(rgaIntermediate,avocationDisclosureIntermediate);
}
```

**rule5**

**Comment:**

**decisionTableCellRow:**

4

**decisionTableCellColumn:**

6

**SRL:**

```
rule rule5 executing "exhaustively"
is
if (true and
    true and
    (((avocationDisclosure.divePurpose <> null and avocationDisclosure.divePurpose.equalsIgnoreCase("High")))) and
    (((avocationDisclosure.divingTraining <> null and not (avocationDisclosure.divingTraining.equalsIgnoreCase("Extreme"))))))
then {
    avocationDisclosureIntermediate.underwrittingSTP = "RUW";
    avocationDisclosureIntermediate.underwrittingHandlingType = "Full";
    RGAExtenders.addAvocationDisclosureIntermediate(rgaIntermediate,avocationDisclosureIntermediate);
}
```

**rule6**

**Comment:**

**decisionTableCellRow:**

5

**decisionTableCellColumn:**

6

**SRL:**

```
rule rule6 executing "exhaustively"
is
if (true and
    true and
```

Comment:

decisionTableRow:

7

decisionTableColumn:

6

decisionTableCellCreated:

Mar 3, 2021, 12:29 PM

SRL:

```
rule rule4 executing "exhaustively"
is
if ((avocationDisclosure.diveAloneIndicator <> null and avocationDisclosure.diveAloneIndicator.equalsIgnoreCase("No")) and
true and
(((avocationDisclosure.divePurpose <> null and avocationDisclosure.divePurpose.equalsIgnoreCase("Moderate"))) or (avocationDisclosure.diveP
(((avocationDisclosure.divingTraining <> null and avocationDisclosure.divingTraining.equalsIgnoreCase("Moderate")))))
then {
    avocationDisclosureIntermediate.underwrittingSTP = "RUW";
    avocationDisclosureIntermediate.underwrittingHandlingType = "Light Touch";
    RGAExtenders.addAvocationDisclosureIntermediate(rgaIntermediate,avocationDisclosureIntermediate);
}
```

rule8

Comment:

decisionTableRow:

8

decisionTableColumn:

6

decisionTableCellCreated:

Mar 3, 2021, 12:30 PM

SRL:

```
rule rule8 executing "exhaustively"
is
if (true and
(avocationDisclosure.divingAccidentsIndicator <> null and avocationDisclosure.diveAloneIndicator.equalsIgnoreCase("No")) and
(((avocationDisclosure.divePurpose <> null and avocationDisclosure.divePurpose.equalsIgnoreCase("Low")))) and
(((avocationDisclosure.divingTraining <> null and avocationDisclosure.divingTraining.equalsIgnoreCase("Low")))))
then {
    avocationDisclosureIntermediate.underwrittingSTP = "Accept";
    RGAExtenders.addAvocationDisclosureIntermediate(rgaIntermediate,avocationDisclosureIntermediate);
}
```

1.3 Decision Table  
Asthma\_Severity\_Template\_Instance(integer, DetermineRGAResponse)

Do you use supplemental oxygen?	Condition referred to as Status Asthmaticus?	In the last 6 months, Limited Activies or TOW?	Past 5 years, been hospitalizd?	Oral Steroid Risk	Attack Severity	Asthma Severity	Risk Score

rule4  
rule5  
rule6  
rule7  
rule8  
rule9  
rule1

---

Variable Details

medicalDisclosureEvent

An instance of MedicalDisclosureEvent

---

Rule Details

rule2

**Comment:**

**decisionTableRow:**  
1

**decisionTableColumn:**  
7

**decisionTableCellCreated:**  
Mar 4, 2021, 12:35 PM

**SRL:**

```
rule rule2 executing "exhaustively"
is
if ((medicalDisclosureEvent.supplementalOxygenUse<> null and medicalDisclosureEvent.supplementalOxygenUse.equalsIgnoreCase("Yes")) and
    true and
    true and
    true and
    true and
    true)
then {
    medicalDisclosureEvent.asthmaSeverity = "Extreme";
}
```

rule3

**Comment:**

**decisionTableRow:**  
2

6/30/24, 10:59 PM Project Contents Summary for RGARuleService generated on 30-Jun-2024 10:57:27 PM

```
rule rule4 executing "exhaustively"
is
if ((medicalDisclosureEvent.supplementalOxygenUse<> null and medicalDisclosureEvent.supplementalOxygenUse.equalsIgnoreCase("No")) and
(medicalDisclosureEvent.refferedToAsStatusAsthmaticus<> null and medicalDisclosureEvent.refferedToAsStatusAsthmaticus.equalsIgnoreCase("No"
(medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months<> null
and medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months.equalsIgnoreCase("Yes"))) and
true and
true and
true)
then {
    medicalDisclosureEvent.asthmaSeverity = "High";
}
```

rule5

**Comment:**

**decisionTableRow:**  
4

**decisionTableColumn:**  
7

**SRL:**

```
rule rule5 executing "exhaustively"
is
if ((medicalDisclosureEvent.supplementalOxygenUse<> null and medicalDisclosureEvent.supplementalOxygenUse.equalsIgnoreCase("No")) and
(medicalDisclosureEvent.refferedToAsStatusAsthmaticus<> null and medicalDisclosureEvent.refferedToAsStatusAsthmaticus.equalsIgnoreCase("No"
(medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months<> null
and medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months.equalsIgnoreCase("No")) and
(medicalDisclosureEvent.hospitalizedInTheLast5Years <> null
and medicalDisclosureEvent.hospitalizedInTheLast5Years.equalsIgnoreCase("Yes"))) and
true and
true)
then {
    medicalDisclosureEvent.asthmaSeverity = "High";
}
```

rule6

**Comment:**

**decisionTableRow:**  
5

**decisionTableColumn:**  
7

**SRL:**

```
rule rule6 executing "exhaustively"
is
if ((medicalDisclosureEvent.supplementalOxygenUse<> null and medicalDisclosureEvent.supplementalOxygenUse.equalsIgnoreCase("No")) and
(medicalDisclosureEvent.refferedToAsStatusAsthmaticus<> null and medicalDisclosureEvent.refferedToAsStatusAsthmaticus.equalsIgnoreCase("No"
(medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months<> null
and medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months.equalsIgnoreCase("No")) and
(medicalDisclosureEvent.hospitalizedInTheLast5Years <> null
and medicalDisclosureEvent.hospitalizedInTheLast5Years.equalsIgnoreCase("No")) and
true and
((medicalDisclosureEvent.asthmaSeverity <> null and medicalDisclosureEvent.oralSteroidRisk.equalsIgnoreCase("Intermittent"))) or (medicalDis
then {
    medicalDisclosureEvent.asthmaSeverity = "Low";
}
```

rule7



decisionTableCellColumn: 7

**SRL:**

```
rule rule8 executing "exhaustively"
is
if ((medicalDisclosureEvent.supplementalOxygenUse<> null and medicalDisclosureEvent.supplementalOxygenUse.equalsIgnoreCase("No")) and
    (medicalDisclosureEvent.refferedToAsStatusAsthmaticus<> null and medicalDisclosureEvent.refferedToAsStatusAsthmaticus.equalsIgnoreCase("No"
    (medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months<> null
and medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months.equalsIgnoreCase("No")) and
    (medicalDisclosureEvent.hospitalizedInTheLast5Years <> null
and medicalDisclosureEvent.hospitalizedInTheLast5Years.equalsIgnoreCase("No")) and
    (medicalDisclosureEvent.oralSteroidRisk <> null and medicalDisclosureEvent.oralSteroidRisk.equalsIgnoreCase("Low")) and
    (medicalDisclosureEvent.attackSeverity <> null and medicalDisclosureEvent.attackSeverity.equalsIgnoreCase("Severe"))))
then {
    medicalDisclosureEvent.asthmaSeverity = "Low";
    medicalDisclosureEvent.riskScore = 100.
}
```

**rule9****Comment:**

decisionTableRow: 8

decisionTableCellColumn: 7

**SRL:**

```
rule rule9 executing "exhaustively"
is
if ((medicalDisclosureEvent.supplementalOxygenUse<> null and medicalDisclosureEvent.supplementalOxygenUse.equalsIgnoreCase("No")) and
    (medicalDisclosureEvent.refferedToAsStatusAsthmaticus<> null and medicalDisclosureEvent.refferedToAsStatusAsthmaticus.equalsIgnoreCase("No"
    (medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months<> null
and medicalDisclosureEvent.limitedActivitesOrTimeOffworkinLast6Months.equalsIgnoreCase("No")) and
    (medicalDisclosureEvent.hospitalizedInTheLast5Years <> null
and medicalDisclosureEvent.hospitalizedInTheLast5Years.equalsIgnoreCase("No")) and
    (medicalDisclosureEvent.oralSteroidRisk <> null and medicalDisclosureEvent.oralSteroidRisk.equalsIgnoreCase("High")) and
    (medicalDisclosureEvent.attackSeverity <> null and medicalDisclosureEvent.attackSeverity.equalsIgnoreCase("Severe"))))
then {
    medicalDisclosureEvent.asthmaSeverity = "High";
    medicalDisclosureEvent.riskScore = 100.
}
```

**rule1****Comment:**

decisionTableRow: 9

decisionTableCellColumn: 7

decisionTableCellCreated:

Mar 4, 2021, 12:46 PM

**SRL:**

```
rule rule1 executing "exhaustively"
is
```

Variable Summary

medicalDisclosureEvent

Rule Summary

rule1  
rule4  
rule5  
rule6  
rule2

Variable Details

medicalDisclosureEvent

An instance of **MedicalDisclosureEvent**

Rule Details

rule1

Comment:

decisionTableRow:

1

decisionTableColumn:

1

decisionTableCellCreated:

Mar 3, 2021, 4:55 PM

SRL:

```
rule rule1 executing "exhaustively"
is
if ((medicalDisclosureEvent.attacksPerWeek >= 0 and medicalDisclosureEvent.attacksPerWeek <= 2))
then {
    medicalDisclosureEvent.attackSeverity = "Intermittent";
}
```

rule4

Comment:

decisionTableRow:

2

```
    }
    medicalDisclosureEvent.attackSeverity = "Moderate" ;
}

rule6

    Comment:

    decisionTableRow:
        4
    decisionTableCellColumn:
        1

    SRL:

    rule rule6 executing "exhaustively"
    is
    if ((medicalDisclosureEvent.attacksPerWeek >= 8 and medicalDisclosureEvent.attacksPerWeek <= 10))
    then {
        medicalDisclosureEvent.attackSeverity = "Severe";
    }
```

rule2

```
    Comment:

    decisionTableRow:
        5
    decisionTableCellColumn:
        1
    decisionTableCellCreated:
        Mar 3, 2021, 4:55 PM

    SRL:

    rule rule2 executing "exhaustively"
    is
    if ((medicalDisclosureEvent.attacksPerWeek > 10))
    then {
        medicalDisclosureEvent.attackSeverity = "Very Severe";
    }
```

1.5 Decision Table  
Asthma\_UW\_STP\_Template\_Instance(integer, DetermineRGAResponse)

How long ago were you diagnosed with Asthma?	Asthma Severity	Asthma UW STP	UW Handling Type
<= 6	N/A	RUW	Full
N/A	Extreme	Decline	N/A
> 6	High	RUW	Full
N/A	Moderate	RUW	Light Touch
N/A	High	Accept	N/A

Variable Summary

**rule2****Comment:****decisionTableRow:**

1

**decisionTableCellColumn:**

3

**SRL:**

```
rule rule2 executing "exhaustively"
is
if ((medicalDisclosureEvent.timeSinceDiagnosis <= 6) and
    true)
then {
    medicalDisclosureEvent.underwritingSTP = "RUW";
    medicalDisclosureEvent.underwritingHandlingType = "Full";
}
```

**rule3****Comment:****decisionTableRow:**

2

**decisionTableCellColumn:**

3

**SRL:**

```
rule rule3 executing "exhaustively"
is
if (true and
    (medicalDisclosureEvent.asthmaSeverity <> null and medicalDisclosureEvent.asthmaSeverity.equalsIgnoreCase("Extreme")))
then {
    medicalDisclosureEvent.underwritingSTP = "Decline";
}
```

**rule4****Comment:****decisionTableRow:**

3

**decisionTableCellColumn:**

3

**SRL:**

```
rule rule4 executing "exhaustively"
is
if ((medicalDisclosureEvent.timeSinceDiagnosis > 6) and
    (medicalDisclosureEvent.asthmaSeverity <> null and medicalDisclosureEvent.asthmaSeverity.equalsIgnoreCase("High")))
then {
    medicalDisclosureEvent.underwritingSTP = "RUW";
    medicalDisclosureEvent.underwritingHandlingType = "Full";
}
```

**rule5**

```
rule rule1 executing "exhaustively"
is
if (true and
    (medicalDisclosureEvent.asthmaSeverity <> null and medicalDisclosureEvent.asthmaSeverity.equalsIgnoreCase("High")))
then {
    medicalDisclosureEvent.underwritingSTP = "Accept";
}
```

## 1.6 Decision Table

### Oral\_Steroid\_Risk\_Template\_Instance(integer, DetermineRGAResponse)

Do you require oral steroids to control this condition?	Oral Steroid Frequency	Oral Steroid Risk
Yes	0 <= ..<= 7	Low
Yes	0 <= ..<= 7	Low
Yes	> 14	High
No	N/A	Low

#### Variable Summary

medicalDisclosureEvent

#### Rule Summary

rule2

rule3

rule4

rule1

#### Variable Details

##### medicalDisclosureEvent

An instance of **MedicalDisclosureEvent**

#### Rule Details

##### rule2

```
rule rule3 executing "exhaustively"
is
if ((medicalDisclosureEvent.requireOralSteroids <> null and medicalDisclosureEvent.requireOralSteroids.equalsIgnoreCase("Yes")) and
(medicalDisclosureEvent.oralSteroidFrequency >= 0 and medicalDisclosureEvent.oralSteroidFrequency <= 7))
then {
    medicalDisclosureEvent.oralSteroidRisk = "Low";
}
```

rule4

**Comment:**

**decisionTableCellRow:**  
3

**decisionTableCellColumn:**  
2

**SRL:**

```
rule rule4 executing "exhaustively"
is
if ((medicalDisclosureEvent.requireOralSteroids <> null and medicalDisclosureEvent.requireOralSteroids.equalsIgnoreCase("Yes")) and
(medicalDisclosureEvent.oralSteroidFrequency > 14))
then {
    medicalDisclosureEvent.oralSteroidRisk = "High";
}
```

rule1

**Comment:**

**decisionTableCellRow:**  
4

**decisionTableCellColumn:**  
2

**decisionTableCellCreated:**  
Mar 3, 2021, 5:11 PM

**SRL:**

```
rule rule1 executing "exhaustively"
is
if ((medicalDisclosureEvent.requireOralSteroids <> null and medicalDisclosureEvent.requireOralSteroids.equalsIgnoreCase("No")) and
true)
then {
    medicalDisclosureEvent.oralSteroidRisk = "Low";
}
```

1.7 Decision Table

Asthma\_Plan\_to\_Offer\_Template\_Instance(integer, DetermineRGAResponse)

Oral Steroid Risk	Attack Severity	Asthma Plan to Offer
Low	Intermittent	Best
Low	Mild	Better

Rule Details

rule1

**Comment:**

**decisionTableCellRow:**  
1

**decisionTableCellColumn:**  
2

**decisionTableCellCreated:**  
Mar 3, 2021, 5:31 PM

**SRL:**

```
rule rule1 executing "exhaustively"
is
if ((medicalDisclosureEvent.oralSteroidRisk <> null and medicalDisclosureEvent.oralSteroidRisk.equalsIgnoreCase("Low")) and
    (medicalDisclosureEvent.attackSeverity <> null and medicalDisclosureEvent.attackSeverity.equalsIgnoreCase("Intermittent")))
then {
    medicalDisclosureEvent.planOffer = "Best";
}
```

rule2

**Comment:**

**decisionTableCellRow:**  
2

**decisionTableCellColumn:**  
2

**decisionTableCellCreated:**  
Mar 3, 2021, 5:31 PM

**SRL:**

```
rule rule2 executing "exhaustively"
is
if ((medicalDisclosureEvent.oralSteroidRisk <> null and medicalDisclosureEvent.oralSteroidRisk.equalsIgnoreCase("Low")) and
    (medicalDisclosureEvent.attackSeverity <> null and medicalDisclosureEvent.attackSeverity.equalsIgnoreCase("Mild")))
then {
    medicalDisclosureEvent.planOffer = "Better";
}
```

rule3

**Comment:**

**decisionTableCellRow:**  
3

**decisionTableCellColumn:**  
2

**decisionTableCellCreated:**  
Mar 3, 2021, 5:31 PM

```
when {  
    medicalDisclosureEvent.planOffer = "Good";  
}
```

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