Headache

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Stress Illness

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Work School Relationships Flu Migraine Concussion

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W/Aura WO/Aura

15 questions for each

(possible question)

Would you suggest your headache is from stress or are you feeling ill? Choice – either “Stressed” or “Ill”

PROMPT [cause] multchoice

‘would you suggest your headache is from stress or are you feeling ill?’

‘stressed’

‘ill’

RULE [stress]

If [cause] = ‘stress’

Then [class] = ‘stress’

RULE [ill]

If [cause] = ‘ill’

Then [class] = ‘ill’

(another possibility, think I like this one more but if they select choices from each field it could make things trickier later – and it eliminated some really simple questions)

Select anything that applies to you – Extensive work hours, Extensive amounts of homework, Troubles at home, Dizzy, Nausaus, Sensitivty to light, Recent head trauma. – Each selection could be used later to ask more questions… i.e. they pick extensive work hours OR homework OR Troubles than you ask the stress related questions, same goes with the rest. However, if a selection is made from both, Homework and dizziness, we’ll have to weed out with more questions.

PROMPT [symptoms] allchoice

‘What symptoms apply to you?’

‘Extensive work hours’

‘Extensive amounts of homework’

‘Troubles at home’

‘Dizzy’

‘Nausea’

‘Sensitivity to light’

‘Recent head trauma’

#I don’t know if this is the proper use of ‘or’  
#...or if there even is an ‘or’ option, figured it would be like the

#‘and’ option if there was…

RULE [stress]

If [symptoms] = ‘Extensive work hours’ or

[symptoms] = ‘Extensive amounts of homework’ or

[symptoms] = ‘Troubles at home’

Then [class] = ‘stress’

RULE [ill]

If [symptoms] = ‘Dizzy’ or

[symptoms] = ‘Nausea’ or

[symptoms] = ‘Sensitivity to light’ or

[symptoms] = ‘Recent head trauma’

Then [class] = ‘ill’

Answering original question with “Stressed” -

Work questions:

If work is one the choices made above -

Please enter the number of hours you work? – Input, if more than 40 next question, if less ask first school question

PROMPT [hoursWorked] numeric

‘How many hours of work do you average?’

RULE [lessThan40]

If [class] = ‘stress’ and

[hoursWorked] < 40

Then [workload] = ‘minimal’

RULE [moreThan40]

If [class] = ‘stress’ and

[hoursWorked] >= 41 and

[symptoms] = ‘Extensive work hours’ #not sure if this line will work here

Then [workload] = ‘too much’

Are currently having any troubles with your coworkers?

PROMPT [coworkers] yesno

‘Are you currently having troubles with any coworkers?’

RULE [coworkerStress]

If [class] = ‘stress’ and

[coworkers] = true

Then [coworkerStress] = ‘coworkers’

Have you been having troubles sleeping?

PROMPT [sleeping] yesno

‘Have you been having troubles sleeping?

RULE [sleepingCause]

If [class] = ‘stress’ and

[sleeping] = true

Then [sleepingCause] = ‘troubles sleeping’

RULE [mainCause]

If [class] = ‘stress’ and

[workLoad] = ‘too much’ and

[coworkers] = true and

[sleeping] = true

Then [mainCause] = ‘Work stress is causing your headaches.’

School questions:

If homework is chosen in the beginning –

Are you a full or part-time student?

PROMPT [studentHours] multchoice

‘Are you a full or part-time student?’

‘full time student’

‘part-time student’

RULE [fullTimeStudent]

If [class] = ‘stress’ and

[studentHours] = ‘full time student’

Then [studentClass] = ‘Full time student’

How much time a week do you find yourself doing homework? – Input, similar to work hours, if greater than 20(?) this would be a factor

PROMPT [homeworkHours] numeric

‘How many hours of homework do you average in a week?’

RULE [lessThan20]

If [class] = ‘stress’ and

[homeworkHours] < 20

Then [homeworkload] = ‘minimal’

RULE [moreThan20]

If [class] = ‘stress’ and

[homeworkHours] >= 21 and

[symptoms] = ‘Extensive amounts of homework #not sure if this line will work here, or it will work at all…

Then [homeworkload] = ‘too much’

Is it Finals week?!??

PROMPT [finals] yesno

‘is it finals week?’

RULE [finalsStress]

If [class] = ‘stress’ and

[finals] = true

Then [mainCause] = ‘Headaches are due to School work.’

RULE [mainCause]

If [class] = ‘stress’ and

[studentClass] = ‘Full time student’

[homeworkLoad] = ‘too much’ and

[finals] = true

Then [mainCause] = ‘School is causing your headaches.’

Relationships questions:

Have there been any incidents within the immediate family that would cause an extra amount of stress on you? (yes/no)

PROMPT [familyIncidents] yesno

‘Have there been any incidents within the immediate family that would cause an extra amount of stress on you?’

RULE [familyStress]

If [class] = ‘stress’ and

[familyStress] = true

Then [mainCause] = ‘Your headaches are caused from the stress within your home.’

How would you rate your personal love life? Choice – 1 to 5, 1 being bad, 5 being great.

PROMPT [lovelife] multchoice

‘How would you rate your personal love life? Choice – 1 to 5, 1 being bad, 5 being great.’

‘1’

‘2’

‘3’

‘4’

‘5’

RULE [loveStress]

If [class] = ‘stress’ and

[lovelife] = ‘1’ or

Then [mainCause] = ‘Your headaches are most likely caused from your love life. This is pretty common ;)’

Do you feel your significant other helps or makes your current stress level worse?

PROMPT [lovelife2] yesno

‘Do you feel your significant other helps or makes our current stress level worse?’

RULE [girlTroubles]

If [class] = ‘stress’ and

[lovelife2] = true and

[lovelife] = ‘2’

Then [mainCause] = ‘Your headaches being caused from your stress within your love life.’

Answering original question with “Ill”

Flu questions:

Have you been feeling nauseous? (yes/no)

#this question might be redundant…

PROMPT [nausea] yesno

‘have you been feeling nauseas?’

#do we need a rule? Or can we just save the answer?

Check your current temperature, what is it? input – if greater than 100 next question. If less, check for migraine/concussion symptoms…

PROMPT [temp] numeric

‘check your current temperature, what is it?’

RULE [fever]

If [class] = ‘ill’ and

[nausea] = true and

[temp] > 100

Then [mainCause] = ‘Your headache is related to having the flu’

RULE [notFever]

If [class] = ‘ill’ and

[temp] <= 99

Then [notFever] = ‘temp is fine’

RULE [ill]

If [class] = ‘ill’ and

[temp] <= 99 and

[nausea] = true

Then [mainCause] = ‘your headaches are related to the stomach bug’

Are you currently experiencing a cough or sore throat?

PROMPT [throat] yesno

‘are you currently experiencing a cough or sore throat?’

RULE [cold]

If [class] = ‘ill’ and

[throat] = true

Then [mainCause] = ‘Your headaches are caused from the cold you have caught.’

Are you experiencing chills?

PROMPT [chills] yesno

‘Are you currently experiencing the chills?’

Have you been feeling fatigued?

PROMPT [fatigued] yesno

‘have you been feeling fatigued?’

RULE [sick]

If [class] = ‘ill’ and

[chills] = true and

[fatigued] = true

Then [mainCause] = ‘Your headaches are related to the virus that has made you sick’

Dmitrii - Migraine questions:

Dmitrii - Concussion questions:

choice (single choice from options)

multiple choice (enables more than one selection)

yes no

open ended - input