

$$\text{intGE50}_{ij} \sim \text{Binomial}(n_{ij}, \pi_{ij})$$

$$\text{logit}(\pi_{ij}) = \beta_{0j}\text{cons} + 0.117(0.089)\text{AGE}_j + 0.264(0.061)\text{time\_1}_{ij} + 0.489(0.23) \\ 3.579(0.203)\text{smokerbaseline}_j + 0.408(0.386)\text{grade11\#1} + -0.205(0.043) \\ 0.043(0.079)\text{zine.time\_1}_{ij} + 0.330(0.232)\text{grade10\#1}_j + -0.649(0.31) \\ -0.202(0.097)\text{zine.smokerbaseline.time\_1}_{ij}$$

$$\beta_{0j} = -4.572(1.247) + u_{0j}$$

$$[u_{0j}] \sim N(0, \Omega_u) : \Omega_u = [2.627(0.198)]$$

$$\text{var}(\text{intGE50}_{ij} | \pi_{ij}) = \pi_{ij}(1 - \pi_{ij})/n_{ij}$$

Intention	
<b>Level 1 (Time)</b>	
Constant	-4.572*
Time	0.264*
<b>Level 2 (individual)</b>	
Group (ref: control)	0.489
Sex (ref: female)	-0.033
Smoker (ref: non-smoker)	3.579*
Age	0.117
Grade10 (ref: grade9)	0.33
Grade11 (ref: grade9)	0.408
Group*Grade10	-0.649*
Group*Grade11	-0.768*
<b>Intra-class interaction</b>	
Group*Time	0.043
Grade11*Time	-0.205*
Group*Smoker*Time	-0.202*

290)zine<sub>j</sub> + -0.033(0.128)male<sub>j</sub> +

(0.086)grade11#1.time\_1<sub>ij</sub> +

301)zine.grade10<sub>j</sub> + -0.768(0.309)zine.grade11<sub>j</sub> +