$$P(x) = \frac{e^{\mathbf{9.9} + \mathbf{1.49} * \text{Cd}-\text{B} \geq 0.65\ \mu\text{g/L} + \mathbf{2.36} * (8-\text{OHdG} \geq 7.66\ \text{ng/mL}) + \mathbf{1.76} * \text{COX}-2 \geq 22.9\ \text{ng/mL} - \mathbf{0.39} * \text{MCH} + \mathbf{1.29} * \text{frequent consumption of offal}}}{1-e^{\mathbf{9.9} + \mathbf{1.49} * \text{Cd}-\text{B} \geq 0.65\ \mu\text{g/L} + \mathbf{2.36} * (8-\text{OHdG} \geq 7.66\ \text{ng/mL}) + \mathbf{1.76} * \text{COX}-2 \geq 22.9\ \text{ng/mL} - \mathbf{0.39} * \text{MCH} + \mathbf{1.29} * \text{frequent consumption of offal}}}$$

where: P(x) – probability of IA in the study population.