Correction to: Characterizing antibiotics in LCA—a review of current practices and proposed novel approaches for including resistance

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The original version of this article unfortunately contained mistakes in Eqs. 1–8 and should have read:

$$\begin{aligned} \text{Characterization factor} &= \text{Fate factor} \left(\frac{\text{kg in compartment}}{\frac{\text{kg emitted}}{\text{day}}} \right) \\ &\times \text{Exposure factor} \left(\frac{\frac{\text{kg intake}}{\text{day}}}{\text{kg in compartment}} \right) \\ &\times \text{Effect factor} \left(\frac{\text{disease cases}}{\text{kg emitted}} \right) \end{aligned} \quad (1)$$

$$EF_{ABR} = \frac{0.5}{HC_{50}} \quad (2)$$

$$\begin{aligned} CF_{ABR} &= \text{Fate factor} \left(\frac{\text{kg in compartment}}{\frac{\text{kg emitted}}{\text{day}}} \right) \\ &\times \text{Exposure factor} \left(\frac{\frac{\text{kg bioavailable}}{\text{kg in compartment}}}{\text{kg in compartment}} \right) \\ &\times \text{Effect factor} \left(\frac{\text{PAF m}^3 \text{ day}}{\text{kg emitted}} \right) \end{aligned} \quad (3)$$

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$$\partial_{x,p,sector,reg} = \sqrt{\ln^{OR_{x,p,sector,reg}}} \quad (4)$$

$$ABF_{x,p,reg} = ABU_{x,hum,reg} \times \partial_{x,p,hum,reg} + ABU_{x,vet,reg} \times \partial_{x,p,vet,reg} \quad (5)$$

$$\frac{DALY}{kgAB_{x,emitted}} = \frac{DALY_{x,p_1,reg}}{ABF_{x,p_1,reg}} + \frac{DALY_{x,p_2,reg}}{ABF_{x,p_2,reg}} + \dots + \frac{DALY_{x,p_n,reg}}{ABF_{x,p_n,reg}} \quad (6)$$

$$\frac{DALY}{kgAB_{x,emitted}} = \frac{DALY_{x,p,reg}}{ABU_{x,hum,reg} \times \sqrt{\ln^{OR_{x,p,hum,reg}}} + ABU_{x,vet,reg} \times \sqrt{\ln^{OR_{x,p,vet,reg}}} \quad (7)$$

$$\frac{0.87 DALY}{kg3GC_{emitted}} = \frac{191883 DALY}{2.7 \cdot 10^5 kg \times 0,81406 + 1.39 \cdot 10^4 kg \times 0} \quad (8)$$

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