## Class-membership probabilities for LCA model (Sample A) Class 1 (8.55%) Class 2 (18.38%) Class 3 (10.45%) **Smoking** 1.00 Non-smoker 0.75 Smoker 0.50 0.25 **Alcohol consumption** 0.00 Class 4 (18.76%) Class 5 (19.16%) Class 6 (14.81%) Abstainer 1.00 Item-class probabilities Moderate Hazardous Harmful **Physical activity** 0.00 Physical activity\_4 Physical activity\_5 Physical activity\_6 Physical activity\_7 Physical activity\_8 Fruit Veg\_4 Fruit Veg\_5 Fruit Veg\_6 Fruit Veg\_6 Fruit Veg\_6 Fruit Veg\_6 Smoking\_4 Smoking\_5 Smoking\_6 Smoking\_7 Smoking\_7 Smoking\_7 Alcohol consumption\_4 Physical activity\_5 Physical activity\_6 Physical activity\_7 Physical activity\_8 Fruit Veg\_4 Fruit Veg\_5 Fruit Veg\_6 Fruit Veg\_6 Fruit Veg\_6 Alcohol consumption\_5 Alcohol consumption\_6 Alcohol consumption\_7 Smoking\_4 Smoking\_5 Smoking\_7 Smoking\_8 6 2 Alcohol consumption\_8 Smoking\_6 Alcohol consumption\_5 Alcohol consumption\_6 Alcohol consumption\_7 Alcohol consumption\_8 Sedentary Class 7 (9.89%) Physical activity\_ consumption\_ 1.00 Low 0.75 Moderate 0.50 High 0.25 0.00 Smoking\_4 Smoking\_5 Smoking\_6 Smoking\_7 Smoking\_8 Alcohol consumption\_4 Alcohol consumption\_5 Alcohol consumption\_6 Alcohol consumption\_6 Alcohol consumption\_7 Alcohol consumption\_7 Physical activity\_4 Physical activity\_6 Physical activity\_6 Physical activity\_6 Fhysical activity\_6 Fhysical activity\_8 Fruit Veg\_4 Fruit Veg\_6 Fruit Veg\_6 Fruit Veg\_7 Fruit Veg\_7 Fruit & vegetable intake <5/day >=5/day

Health behaviours across waves