E-Cigarette Guideline Citation Network Analysis Plan

## Introduction

## Objectives

1. To use network analysis to explore common citations across public health guidelines on e-cigarettes across diverse jurisdictions.
2. To explore whether the citations used and conflicts of interest are related to differing recommendations.
3. To explore patterns over time of funding and conflicts of interest in papers cited.

## Research Questions

1. What are the influential sources of evidence drawn upon by public health bodies when making e-cigarette policy recommendations and how do guidelines differ in their use of them?
2. Are Public Health guidelines with similar e-cigarette policy recommendations drawing upon similar citations?
3. Are conflicts of interest changing over time?

## Analysis plan

#### Research question 1: what are the influential sources of evidence…?

* Extraction of all references from guideline documents
* Tidying and coding to network matrix
* Visualisation of data
* Analysis and visualisation of most influential
* Analysis of study design/conflicts of interest

#### RQ2

* Likert scale for strength/direction of recommendation
* Coding of guideline documents
* Block modelling – grouped by common citations, coloured by recommendation
* Visualisation of grouped network

#### RQ3: Are CoIs changing over time?

* Screen 2330 for ‘official’
* Get full text for all included
* Extract CoI/funding sources from meta-data/article text
* Code into CoI categories