

APPENDIX A. SEARCH STRATEGIES

Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily 1946 to February 12, 2019

Date Searched: February 13, 2019

1	Aromatherapy/	736
2	(aromatherap* or aroma-therap* or "aroma oil*" or aromastick* or aromastick*).ti,ab,kf.	1081
3	or/1-2	1330
4	Oils, Volatile/ or Plant Oils/ or Tea Tree Oil/ or (essential oil or essential oils or volatile oil or volatile oils).ti,ab,kf.	34167
5	(aroma* or aerosol* or alternative or balm* or bath* or CAM or caries or complementary or compress or compresses or cream or creams or dental or diffuse* or ENT or epicutaneous* or foam or foams or gel or gels or inhal* or integrative or liniment or liniments or lotion or lotions or mist* or mouth* or nasal or nose or odor or odors or odour or odours or "oil inhalation" or ointment* or olfactory or oral or orally or otorhinolaryngolog* or paste or pastes or patch or patches or periodontal or powder or powders or rinse* or spray* or spritzer* or scent* or skin or steam* or teeth or therap* or tincture or tinctures or tongue* or topical or topically or transdermal* or vapor or vapour).ti,ab,kf.	5420778
6	(ad or ch or pd or th or tu).fs.	8556421
7	or/5-6	11434051
8	and/4,7	28181
9	((Allspice or Ambrette or Amyris or Angelica or Anise or Balsam or Basil or Bay or Beeswax or Benzoin or Bergamot or Birch or Boronia or "Bursera Graveolens" or Cade or Cajeput or Camphor or Cananga or Caraway or Cardamom or Carrot or Cassia or Catnip or Cedar or Cedarwood or Celery or Chamomile or Cilantro or Cinnamon or Cistus or Citronella or Citrus or Clove or Coffee or Coriander or Cornmint or Costus or Cubeb or Cumin or Cypress or Davana or Dill or Elemi or Eucalyptus or Fennel or Fir or Fragonia or Frankincense or Galbanum or Garlic or Geranium or Ginger or Grapefruit or Helichrysum or Hemlock or Hemp or Hinoki or Ho or "Hong Kuai" or Hops or Hyssop or Immortelle or Jasmine or Jatamansi or Juniper or Kanuka or Kunzea or Labdanum or Laurel or Lavandin or Lavender or Lemon or Lemongrass or Lime or Linden or Mandarin or Manuka or Marjoram or "May Chang" or Melissa or Menthol or Mint or Mugwort or Myrrh or Myrtle or Nard or Neroli or Niaouli or Nutmeg or Oakmoss or Olibanum or Opoponax or Orange or Oregano or Palmarosa or Palo-Santo or Parsley or Patchouli or Pepper or Peppermint or Petitgrain or Pimento or Pine or Primrose or Ravensara or Ravintsara or Rosalina or Rose or Rosemary or Rosewood or Sage or Sandalwood or Saro or Spearmint or Spikenard or Spruce or Tagetes or Tangerine or Tansy or Tea-Tree or Thuja or Thyme or Tobacco or Tuberosa or Tulsi or Valerian or Vanilla or "Lemon Verbena" or Vetiver or Violet or Wintergreen or Wormwood or Yarrow or Ylang-Ylang or Yuzu) adj4 (oil or oils).ti,ab,kf.	8504
10	((Abelmoschus or Abies or Achillea or Agonis or Allium or Aloysia or Amyris or Anethum or Angelica or Aniba or Anthemis or Apis or Artemisia or Backhousia or Blumea or Boronia or Boswellia or Cananga or Callitris or Canarium or Carum or Cedrus or Chamaecyparis or Chamaemelum or Cinnamomum or Cistus or Coffea or Commiphora	5201

	or Copaifera or Coriandrum or Croton or Cuminum or Cupressus or Cymbopogon or Daucus or Dipterocarpus or Elettaria or Eugenia or Evernia or Ferula or Foeniculum or Gaultheria or Helichrysum or Humulus or Hyssopus or Illicium or Jasminum or Juniperus or Kunzea or "Laurus Nobilis" or Lavendula or Lavandula or Leptospermum or Litsea or Matricaria or Melaleuca or Mentha or Myristica or Myroxylon or Myrtus or Nardostachys or Nepeta or Nicotiana or Ocimum or Origanum or Pelargonium or Petroselinum or Picea or Pimenta or Pimento or Pimpinella or Pinus or Piper or Plectranthus or Pogostemon or Polianthes or Ravensara or Rosa or Rosmarinus or Salvia or Santalum or Schinus or Styrax or Syzygium or Tanacetum or Taxandria or Thymus or Tilia or Tsuga or Valeriana or Vetiveria or Viola or Zingiber) adj4 (oil or oils).ti,ab,kf.	
11	(alphabisabolol or alpha-bisabolol or cineole or limonene or linalool or pinene or santanol).ti,ab,kf.	7981
12	or/9-11	18595
13	and/7,12	15278
14	or/3,8,13	35372
15	Animals/ not Humans/	4514375
16	14 not 15	24794
17	Systematic Reviews as Topic/ or Technology Assessment, Biomedical/ or Meta-Analysis as Topic/ or Review Literature as Topic/	33752
18	(meta-analysis or systematic review).pt.	157803
19	(HTA* or "health technology assessment" or meta-anal* or metaanal* or ((evidence or rapid or systematic) adj3 (review* or synthesis or syntheses)) or search*).ti,ab,kf.	556196
20	or/17-19	581941
21	and/16,20	753

Ovid PsycINFO 1806 to February Week 1 2019

Date searched: February 12, 2019

#	Searches	Results
1	Aromatherapy/	141
2	(aromatherap* or aroma-therap* or "aroma oil*" or aromastick* or aroma-stick*).ti,ab,id.	248
3	or/1-2	265
4	"Medicinal Herbs and Plants"/ or (essential oil or essential oils or volatile oil or volatile oils).ti,ab,id.	2144
5	((Allspice or Ambrette or Amyris or Angelica or Anise or Balsam or Basil or Bay or Beeswax or Benzoin or Bergamot or Birch or Boronia or "Bursera Graveolens" or Cade or Cajeput or Camphor or Cananga or Caraway or Cardamom or Carrot or Cassia or Catnip or Cedar or Cedarwood or Celery or Chamomile or Cilantro or Cinnamon or Cistus or Citronella or Citrus or Clove or Coffee or Coriander or Cornmint or Costus or Cubeb or Cumin or Cypress or Davana or Dill or Elemi or Eucalyptus or Fennel or Fir or Fragonia or Frankincense or Galbanum or Garlic or Geranium or Ginger or Grapefruit or Helichrysum or Hemlock or Hemp or Hinoki or Ho or "Hong Kuai" or Hops or Hyssop or Immortelle or	277

	Jasmine or Jatamansi or Juniper or Kanuka or Kunzea or Labdanum or Laurel or Lavandin or Lavender or Lemon or Lemongrass or Lime or Linden or Mandarin or Manuka or Marjoram or "May Chang" or Melissa or Menthol or Mint or Mugwort or Myrrh or Myrtle or Nard or Neroli or Niaouli or Nutmeg or Oakmoss or Olibanum or Opoponax or Orange or Oregano or Palmarosa or Palo-Santo or Parsley or Patchouli or Pepper or Peppermint or Petitgrain or Pimento or Pine or Primrose or Ravensara or Ravintsara or Rosalina or Rose or Rosemary or Rosewood or Sage or Sandalwood or Saro or Spearmint or Spikenard or Spruce or Tagetes or Tangerine or Tansy or Tea-Tree or Thuja or Thyme or Tobacco or Tuberosa or Tulsi or Valerian or Vanilla or "Lemon Verbena" or Vetiver or Violet or Wintergreen or Wormwood or Yarrow or Ylang-Ylang or Yuzu) adj4 (oil or oils).ti,ab.	
6	((Abelmoschus or Abies or Achillea or Agonis or Allium or Aloysia or Amyris or Anethum or Angelica or Aniba or Anthemis or Apis or Artemisia or Backhousia or Blumea or Boronia or Boswellia or Cananga or Callitris or Canarium or Carum or Cedrus or Chamaecyparis or Chamaemelum or Cinnamomum or Cistus or Coffea or Commiphora or Copaifera or Coriandrum or Croton or Cuminum or Cupressus or Cymbopogon or Daucus or Dipterocarpus or Elettaria or Eugenia or Evernia or Ferula or Foeniculum or Gaultheria or Helichrysum or Humulus or Hyssopus or Illicium or Jasminum or Juniperus or Kunzea or "Laurus Nobilis" or Lavendula or Lavandula or Leptospermum or Litsea or Matricaria or Melaleuca or Mentha or Myristica or Myroxylon or Myrtus or Nardostachys or Nepeta or Nicotiana or Ocimum or Origanum or Pelargonium or Petroselinum or Picea or Pimenta or Pimento or Pimpinella or Pinus or Piper or Plectranthus or Pogostemon or Polianthes or Ravensara or Rosa or Rosmarinus or Salvia or Santalum or Schinus or Styra or Syzygium or Tanacetum or Taxandria or Thymus or Tilia or Tsuga or Valeriana or Vetiveria or Viola or Zingiber) adj4 (oil or oils).ti,ab.	53
7	(alphabisabolol or alpha-bisabolol or cineole or limonene or linalool or pinene or santanol).ti,ab.	142
8	or/4-7	2448
9	(aroma* or aerosol* or alternative or balm* or bath* or CAM or caries or complementary or compress or compresses or cream or creams or dental or diffuse* or ENT or epicutaneous* or foam or foams or gel or gels or inhal* or integrative or liniment or liniments or lotion or lotions or mist* or mouth* or nasal or nose or odor or odors or odour or odours or "oil inhalation" or ointment* or olfactory or oral or orally or otorhinolaryngolog* or paste or pastes or patch or patches or periodontal or powder or powders or rinse* or spray* or spritzer* or scent* or skin or steam* or teeth or therap* or tincture or tinctures or tongue* or topical or topically or transdermal* or vapor or vapour).ti,ab,id.	657880
10	and/8-9	1229
11	or/3,10	1379
12	limit 11 to ("0830 systematic review" or 1200 meta analysis)	53
13	11 and (HTA* or "health technology assessment" or meta-anal* or metaanal* or ((evidence or rapid or systematic) adj3 (review or synthesis)) or search*).ti,ab,id.	120
14	or/12-13	122

Ovid EBM Reviews - Cochrane Database of Systematic Reviews 2005 to February 6, 2019 and Health Technology Assessment 4th Quarter 2016

Date searched: February 13, 2019

#	Searches	Results
1	(aromatherap* or aroma-therap* or "aroma oil*" or aromastick* or aroma-stick*).ti,ab.	10
2	(essential oil or essential oils or volatile oil or volatile oils).ti,ab.	5
3	((Allspice or Ambrette or Amyris or Angelica or Anise or Balsam or Basil or Bay or Beeswax or Benzoin or Bergamot or Birch or Boronia or "Bursera Graveolens" or Cade or Cajeput or Camphor or Cananga or Caraway or Cardamom or Carrot or Cassia or Catnip or Cedar or Cedarwood or Celery or Chamomile or Cilantro or Cinnamon or Cistus or Citronella or Citrus or Clove or Coffee or Coriander or Cornmint or Costus or Cubeb or Cumin or Cypress or Davana or Dill or Elemi or Eucalyptus or Fennel or Fir or Fragonia or Frankincense or Galbanum or Garlic or Geranium or Ginger or Grapefruit or Helichrysum or Hemlock or Hemp or Hinoki or Ho or "Hong Kuai" or Hops or Hyssop or Immortelle or Jasmine or Jatamansi or Juniper or Kanuka or Kunzea or Labdanum or Laurel or Lavandin or Lavender or Lemon or Lemongrass or Lime or Linden or Mandarin or Manuka or Marjoram or "May Chang" or Melissa or Menthol or Mint or Mugwort or Myrrh or Myrtle or Nard or Neroli or Niaouli or Nutmeg or Oakmoss or Olibanum or Opoponax or Orange or Oregano or Palmarosa or Palo-Santo or Parsley or Patchouli or Pepper or Peppermint or Petitgrain or Pimento or Pine or Primrose or Ravensara or Ravintsara or Rosalina or Rose or Rosemary or Rosewood or Sage or Sandalwood or Saro or Spearmint or Spikenard or Spruce or Tagetes or Tangerine or Tansy or Tea-Tree or Thuja or Thyme or Tobacco or Tuberosa or Tulsi or Valerian or Vanilla or "Lemon Verbena" or Vetiver or Violet or Wintergreen or Wormwood or Yarrow or Ylang-Ylang or Yuzu) adj4 (oil or oils).ti,ab.	11
4	((Abelmoschus or Abies or Achillea or Agonis or Allium or Aloysia or Amyris or Anethum or Angelica or Aniba or Anthemis or Apis or Artemisia or Backhousia or Blumea or Boronia or Boswellia or Cananga or Callitris or Canarium or Carum or Cedrus or Chamaecyparis or Chamaemelum or Cinnamomum or Cistus or Coffea or Commiphora or Copaifera or Coriandrum or Croton or Cuminum or Cupressus or Cymbopogon or Daucus or Dipterocarpus or Elettaria or Eugenia or Evernia or Ferula or Foeniculum or Gaultheria or Helichrysum or Humulus or Hyssopus or Illicium or Jasminum or Juniperus or Kunzea or "Laurus Nobilis" or Lavendula or Lavandula or Leptospermum or Litsea or Matricaria or Melaleuca or Mentha or Myristica or Myroxylon or Myrtus or Nardostachys or Nepeta or Nicotiana or Ocimum or Origanum or Pelargonium or Petroselinum or Picea or Pimenta or Pimento or Pimpinella or Pinus or Piper or Plectranthus or Pogostemon or Polianthes or Ravensara or Rosa or Rosmarinus or Salvia or Santalum or Schinus or Styrax or Syzygium or Tanacetum or Taxandria or Thymus or Tilia or Tsuga or Valeriana or Vetiveria or Viola or Zingiber) adj4 (oil or oils).ti,ab.0	0
5	(alphabisabolol or alpha-bisabolol or cineole or limonene or linalool or pinene or santanol).ti,ab.	0
6	Or/1-5	23

EBSCOHost CINAHL

Date searched: February 19, 2019

#	Search	Results
S1	(MH "Aromatherapy") OR (MH "Aromatherapists")	1,997
S2	TI (aromatherap* or aroma-therap* or "aroma oil*" or aromastick* or aromastick*) OR AB (aromatherap* or aroma-therap* or "aroma oil*" or aromastick* or aroma-stick*)	1,203
S3	S1 OR S2	2,278
S4	(MH "Essential Oils+") OR TI (essential oil or essential oils or volatile oil or volatile oils) OR AB (essential oil or essential oils or volatile oil or volatile oils)	3,078
S5	TI (aroma* or aerosol* or alternative or balm* or bath* or CAM or caries or complementary or compress or compresses or cream or creams or dental or diffuse* or ENT or epicutaneous* or foam or foams or gel or gels or inhal* or integrative or liniment or liniments or lotion or lotions or mist* or mouth* or nasal or nose or odor or odors or odour or odours or "oil inhalation" or ointment* or olfactory or oral or orally or otorhinolaryngolog* or paste or pastes or patch or patches or periodontal or powder or powders or rinse* or spray* or spritzer* or scent* or skin or steam* or teeth or therap* or tincture or tinctures or tongue* or topical or topically or transdermal* or vapor or vapour) OR AB (aroma* or aerosol* or alternative or balm* or bath* or CAM or caries or complementary or compress or compresses or cream or creams or dental or diffuse* or ENT or epicutaneous* or foam or foams or gel or gels or inhal* or integrative or liniment or liniments or lotion or lotions or mist* or mouth* or nasal or nose or odor or odors or odour or odours or "oil inhalation" or ointment* or olfactory or oral or orally or otorhinolaryngolog* or paste or pastes or patch or patches or periodontal or powder or powders or rinse* or spray* or spritzer* or scent* or skin or steam* or teeth or therap* or tincture or tinctures or tongue* or topical or topically or transdermal* or vapor or vapour)	816,403
S6	S4 AND S5	1,497
S7	TI (Allspice or Ambrette or Amyris or Angelica or Anise or Balsam or Basil or Bay or Beeswax or Benzoin or Bergamot or Birch or Boronia or "Bursera Graveolens" or Cade or Cajeput or Camphor or Cananga or Caraway or Cardamom or Carrot or Cassia or Catnip or Cedar or Cedarwood or Celery or Chamomile or Cilantro or Cinnamon or Cistus or Citronella or Citrus or Clove or Coffee or Coriander or Cornmint or Costus or Cubeb or Cumin or Cypress or Davana or Dill or Elemi or Eucalyptus or Fennel or Fir or Fragonia or Frankincense or Galbanum or Garlic or Geranium or Ginger or Grapefruit or Helichrysum or Hemlock or Hemp or Hinoki or Ho or "Hong Kuai" or Hops or Hyssop or Immortelle or Jasmine or Jatamansi or Juniper or Kanuka or Kunzea or Labdanum or Laurel or Lavandin or Lavender or Lemon or Lemongrass or Lime or Linden or Mandarin or Manuka or Marjoram or "May Chang" or Melissa or Menthol or Mint or Mugwort or Myrrh or Myrtle or Nard or Neroli or Niaouli or Nutmeg or Oakmoss or Olibanum or Opoponax or Orange or Oregano or Palmarosa or Palo-Santo or Parsley or Patchouli or Pepper or	1,290

	<p>Peppermint or Petitgrain or Pimento or Pine or Primrose or Ravensara or Ravintsara or Rosalina or Rose or Rosemary or Rosewood or Sage or Sandalwood or Saro or Spearmint or Spikenard or Spruce or Tagetes or Tangerine or Tansy or Tea-Tree or Thuja or Thyme or Tobacco or Tuberose or Tulsi or Valerian or Vanilla or "Lemon Verbena" or Vetiver or Violet or Wintergreen or Wormwood or Yarrow or Ylang-Ylang or Yuzu) N4 (oil or oils)) OR AB (Allspice or Ambrette or Amyris or Angelica or Anise or Balsam or Basil or Bay or Beeswax or Benzoin or Bergamot or Birch or Boronia or "Bursera Graveolens" or Cade or Cajeput or Camphor or Cananga or Caraway or Cardamom or Carrot or Cassia or Catnip or Cedar or Cedarwood or Celery or Chamomile or Cilantro or Cinnamon or Cistus or Citronella or Citrus or Clove or Coffee or Coriander or Cornmint or Costus or Cubeb or Cumin or Cypress or Davana or Dill or Elemi or Eucalyptus or Fennel or Fir or Fragonia or Frankincense or Galbanum or Garlic or Geranium or Ginger or Grapefruit or Helichrysum or Hemlock or Hemp or Hinoki or Ho or "Hong Kuai" or Hops or Hyssop or Immortelle or Jasmine or Jatamansi or Juniper or Kanuka or Kunzea or Labdanum or Laurel or Lavandin or Lavender or Lemon or Lemongrass or Lime or Linden or Mandarin or Manuka or Marjoram or "May Chang" or Melissa or Menthol or Mint or Mugwort or Myrrh or Myrtle or Nard or Neroli or Niaouli or Nutmeg or Oakmoss or Olibanum or Opoponax or Orange or Oregano or Palmarosa or Palo-Santo or Parsley or Patchouli or Pepper or Peppermint or Petitgrain or Pimento or Pine or Primrose or Ravensara or Ravintsara or Rosalina or Rose or Rosemary or Rosewood or Sage or Sandalwood or Saro or Spearmint or Spikenard or Spruce or Tagetes or Tangerine or Tansy or Tea-Tree or Thuja or Thyme or Tobacco or Tuberose or Tulsi or Valerian or Vanilla or "Lemon Verbena" or Vetiver or Violet or Wintergreen or Wormwood or Yarrow or Ylang-Ylang or Yuzu) N4 (oil or oils))</p>	
S8	<p>TI (Abelmoschus or Abies or Achillea or Agonis or Allium or Aloysia or Amyris or Anethum or Angelica or Aniba or Anthemis or Apis or Artemisia or Backhousia or Blumea or Boronia or Boswellia or Cananga or Callitris or Canarium or Carum or Cedrus or Chamaecyparis or Chamaemelum or Cinnamomum or Cistus or Coffea or Commiphora or Copaifera or Coriandrum or Croton or Cuminum or Cupressus or Cymbopogon or Daucus or Dipterocarpus or Elettaria or Eugenia or Evernia or Ferula or Foeniculum or Gaultheria or Helichrysum or Humulus or Hyssopus or Illicium or Jasminum or Juniperus or Kunzea or "Laurus Nobilis" or Lavandula or Lavandula or Leptospermum or Litsea or Matricaria or Melaleuca or Mentha or Myristica or Myroxylon or Myrtus or Nardostachys or Nepeta or Nicotiana or Ocimum or Oreganum or Origanum or Pelargonium or Petroselinum or Picea or Pimenta or Pimento or Pimpinella or Pinus or Piper or Plectranthus or Pogostemon or Polianthes or Ravensara or Rosa or Rosmarinus or Salvia or Santalum or Schinus or Styrax or Syzygium or Tanacetum or Taxandria or Thymus or Tilia or Tsuga or Valeriana or Vetiveria or Viola or Zingiber) N4 (oil or oils)) OR AB (Abelmoschus or Abies or Achillea or Agonis or Allium or Aloysia or Amyris or Anethum or Angelica or Aniba or Anthemis or Apis or Artemisia or Backhousia or Blumea or Boronia or Boswellia or Cananga or Callitris or Canarium or Carum or Cedrus or Chamaecyparis or Chamaemelum or Cinnamomum or Cistus or Coffea or Commiphora or</p>	655

	Copaifera or Coriandrum or Croton or Cuminum or Cupressus or Cymbopogon or Daucus or Dipterocarpus or Elettaria or Eugenia or Evernia or Ferula or Foeniculum or Gaultheria or Helichrysum or Humulus or Hyssopus or Illicium or Jasminum or Juniperus or Kunzea or "Laurus Nobilis" or Lavendula or Lavandula or Leptospermum or Litsea or Matricaria or Melaleuca or Mentha or Myristica or Myroxylon or Myrtus or Nardostachys or Nepeta or Nicotiana or Ocimum or Oreganum or Origanum or Pelargonium or Petroselinum or Picea or Pimenta or Pimento or Pimpinella or Pinus or Piper or Plectranthus or Pogostemon or Polianthes or Ravensara or Rosa or Rosmarinus or Salvia or Santalum or Schinus or Styrax or Syzygium or Tanacetum or Taxandria or Thymus or Tilia or Tsuga or Valeriana or Vetiveria or Viola or Zingiber) N4 (oil or oils)	
S9	TI (alphabisabolol or alpha-bisabolol or cineole or limonene or linalool or pinene or santanol) OR AB (alphabisabolol or alpha-bisabolol or cineole or limonene or linalool or pinene or santanol)	326
S10	S7 OR S8 OR S9	1,923
S11	S5 AND S10	1,000
S12	S3 OR S6 OR S11	3,704
S13	meta-analysis OR PT review OR PT systematic review OR TI (HTA* or "health technology assessment" or meta-anal* or metaanal* or ((evidence or rapid or systematic) N3 (review* or synthesis or syntheses)) or search*) OR AB (HTA* or "health technology assessment" or meta-anal* or metaanal* or ((evidence or rapid or systematic) N3 (review* or synthesis or syntheses)) or search*)	396,037
S14	S12 AND S13 Limiters - Exclude MEDLINE records	184

PROSPERO

Date searched: February 20, 2019

(aromatherapy OR aroma-therapy OR "aroma oil" OR "aroma oils" or aromastick OR aromasticks OR aroma-stick OR aroma-sticks OR "essential oil" OR "essential oils" OR "volatile oil" OR "volatile oils" OR alphabisabolol OR alpha-bisabolol OR cineole OR limonene OR linalool OR pinene OR santanol OR ((Allspice OR Ambrette OR Amyris OR Angelica OR Anise OR Balsam OR Basil OR Bay OR Beeswax OR Benzoin OR Bergamot OR Birch OR Boronia OR "Bursera Graveolens" OR Cade OR Cajeput OR Camphor OR Cananga OR Caraway OR Cardamom OR Carrot OR Cassia OR Catnip OR Cedar OR Cedarwood OR Celery OR Chamomile OR Cilantro OR Cinnamon OR Cistus OR Citronella OR Citrus OR Clove OR Coffee OR Coriander OR Cornmint OR Costus OR Cubeb OR Cumin OR Cypress OR Davana OR Dill OR Elemi OR Eucalyptus OR Fennel OR Fir OR Fragonia OR Frankincense OR Galbanum OR Garlic OR Geranium OR Ginger OR Grapefruit OR Helichrysum OR Hemlock OR Hemp OR Hinoki OR Ho OR "Hong Kuai" OR Hops OR Hyssop OR Immortelle OR Jasmine OR Jatamansi OR Juniper OR Kanuka OR Kunzea OR Labdanum OR Laurel OR Lavandin OR Lavender OR Lemon OR Lemongrass OR Lime OR Linden OR Mandarin OR Manuka OR Marjoram OR "May Chang" OR Melissa OR Menthol OR Mint OR Mugwort OR Myrrh OR Myrtle OR Nard OR Neroli OR Niaouli OR Nutmeg OR Oakmoss OR Olibanum

OR Opoponax OR Orange OR Oregano OR Palmarosa OR Palo-Santo OR Parsley OR Patchouli OR Pepper OR Peppermint OR Petitgrain OR Pimento OR Pine OR Primrose OR Ravensara OR Ravintsara OR Rosalina OR Rose OR Rosemary OR Rosewood OR Sage OR Sandalwood OR Saro OR Spearmint OR Spikenard OR Spruce OR Tagetes OR Tangerine OR Tansy OR Tea-Tree OR Thuja OR Thyme OR Tobacco OR Tuberose OR Tulsi OR Valerian OR Vanilla OR "Lemon Verbena" OR Vetiver OR Violet OR Wintergreen OR Wormwood OR Yarrow OR Ylang-Ylang OR Yuzu OR Abelmoschus OR Abies OR Achillea OR Agonis OR Allium OR Aloysia OR Amyris OR Anethum OR Angelica OR Aniba OR Anthemis OR Apis OR Artemisia OR Backhousia OR Blumea OR Boronia OR Boswellia OR Cananga OR Callitris OR Canarium OR Carum OR Cedrus OR Chamaecyparis OR Chamaemelum OR Cinnamomum OR Cistus OR Coffea OR Commiphora OR Copaifera OR Coriandrum OR Croton OR Cuminum OR Cupressus OR Cymbopogon OR Daucus OR Dipterocarpus OR Elettaria OR Eugenia OR Evernia OR Ferula OR Foeniculum OR Gaultheria OR Helichrysum OR Humulus OR Hyssopus OR Illicium OR Jasminum OR Juniperus OR Kunzea OR "Laurus Nobilis" OR Lavandula OR Lavandula OR Leptospermum OR Litsea OR Matricaria OR Melaleuca OR Mentha OR Myristica OR Myroxylon OR Myrtus OR Nardostachys OR Nepeta OR Nicotiana OR Ocimum OR Origanum OR Pelargonium OR Petroselinum OR Picea OR Pimenta OR Pimento OR Pimpinella OR Pinus OR Piper OR Plectranthus OR Pogostemon OR Polianthes OR Ravensara OR Rosa OR Rosmarinus OR Salvia OR Santalum OR Schinus OR Styrax OR Syzygium OR Tanacetum OR Taxandria OR Thymus OR Tilia OR Tsuga OR Valeriana OR Vetiveria OR Viola OR Zingiber OR Abelmoschus OR Abies OR Achillea OR Agonis OR Allium OR Aloysia OR Amyris OR Anethum OR Angelica OR Aniba OR Anthemis OR Apis OR Artemisia OR Backhousia OR Blumea OR Boronia OR Boswellia OR Cananga OR Callitris OR Canarium OR Carum OR Cedrus OR Chamaecyparis OR Chamaemelum OR Cinnamomum OR Cistus OR Coffea OR Commiphora OR Copaifera OR Coriandrum OR Croton OR Cuminum OR Cupressus OR Cymbopogon OR Daucus OR Dipterocarpus OR Elettaria OR Eugenia OR Evernia or Ferula or Foeniculum or Gaultheria or Helichrysum or Humulus or Hyssopus or Illicium or Jasminum or Juniperus or Kunzea or "Laurus Nobilis" OR Lavandula OR Lavandula OR Leptospermum OR Litsea OR Matricaria OR Melaleuca OR Mentha OR Myristica OR Myroxylon OR Myrtus OR Nardostachys OR Nepeta OR Nicotiana OR Ocimum OR Oreganum OR Origanum OR Pelargonium OR Petroselinum OR Picea OR Pimenta OR Pimento OR Pimpinella OR Pinus OR Piper OR Plectranthus OR Pogostemon OR Polianthes OR Ravensara OR Rosa OR Rosmarinus OR Salvia OR Santalum OR Schinus OR Styrax OR Syzygium OR Tanacetum OR Taxandria OR Thymus OR Tilia OR Tsuga OR Valeriana OR Vetiveria OR Viola) AND (oil or oils)) = 118 records

EPISTEMONIKOS

Date searched: February 20, 2019

title: (aromatherapy OR aroma-therapy OR "aroma oil" OR "aroma oils" or aromastick OR aromasticks OR aroma-stick OR aroma-sticks OR "essential oil" OR "essential oils" OR "volatile oil" OR "volatile oils" OR alphabisabolol OR alpha-bisabolol OR cineole OR limonene OR linalool OR pinene OR santanol) AND Publication Type = Systematic Review
OR
abstract: (aromatherapy OR aroma-therapy OR "aroma oil" OR "aroma oils" or aromastick OR aromasticks OR aroma-stick OR aroma-sticks OR "essential oil" OR "essential oils" OR "volatile oil" OR "volatile oils" OR alphabisabolol OR alpha-bisabolol OR cineole OR limonene OR linalool OR pinene OR santanol) AND Publication Type = Systematic Review
OR
title:(((Allspice OR Ambrette OR Amyris OR Angelica OR Anise OR Balsam OR Basil OR Bay OR Beeswax OR Benzoin OR Bergamot OR Birch OR Boronia OR "Bursera Graveolens" OR Cade OR Cajeput OR Camphor OR Cananga OR Caraway OR Cardamom OR Carrot OR Cassia OR Catnip OR Cedar OR Cedarwood OR Celery OR Chamomile OR Cilantro OR Cinnamon OR Cistus OR Citronella OR Citrus OR

Clove OR Coffee OR Coriander OR Cornmint OR Costus OR Cubeb OR Cumin OR Cypress OR Davana OR Dill OR Elemi OR Eucalyptus OR Fennel OR Fir OR Fragonia OR Frankincense OR Galbanum OR Garlic OR Geranium OR Ginger OR Grapefruit OR Helichrysum OR Hemlock OR Hemp OR Hinoki OR Ho OR "Hong Kuai" OR Hops OR Hyssop OR Immortelle OR Jasmine OR Jatamansi OR Juniper OR Kanuka OR Kunzea OR Labdanum OR Laurel OR Lavandin OR Lavender OR Lemon OR Lemongrass OR Lime OR Linden OR Mandarin OR Manuka OR Marjoram OR "May Chang" OR Melissa OR Menthol OR Mint OR Mugwort OR Myrrh OR Myrtle OR Nard OR Neroli OR Niaouli OR Nutmeg OR Oakmoss OR Olibanum OR Opoponax OR Orange OR Oregano OR Palmarosa OR Palo-Santo OR Parsley OR Patchouli OR Pepper OR Peppermint OR Petitgrain OR Pimento OR Pine OR Primrose OR Ravensara OR Ravintsara OR Rosalina OR Rose OR Rosemary OR Rosewood OR Sage OR Sandalwood OR Saro OR Spearmint OR Spikenard OR Spruce OR Tagetes OR Tangerine OR Tansy OR Tea-Tree OR Thuja OR Thyme OR Tobacco OR Tuberose OR Tulsi OR Valerian OR Vanilla OR "Lemon Verbena" OR Vetiver OR Violet OR Wintergreen OR Wormwood OR Yarrow OR Ylang-Ylang OR Yuzu OR Abelmoschus OR Abies OR Achillea OR Agonis OR Allium OR Aloysia OR Amyris OR Anethum OR Angelica OR Aniba OR Anthemis OR Apis OR Artemisia OR Backhousia OR Blumea OR Boronia OR Boswellia OR Cananga OR Callitris OR Canarium OR Carum OR Cedrus OR Chamaecyparis OR Chamaemelum OR Cinnamomum OR Cistus OR Coffea OR Commiphora OR Copaifera OR Coriandrum OR Croton OR Cuminum OR Cupressus OR Cymbopogon OR Daucus OR Dipterocarpus OR Elettaria OR Eugenia OR Evernia OR Ferula OR Foeniculum OR Gaultheria OR Helichrysum OR Humulus OR Hyssopus OR Illicium OR Jasminum OR Juniperus OR Kunzea OR "Laurus Nobilis" OR Lavendula OR Lavandula OR Leptospermum OR Litsea OR Matricaria OR Melaleuca OR Mentha OR Myristica OR Myroxylon OR Myrtus OR Nardostachys OR Nepeta OR Nicotiana OR Ocimum OR Origanum OR Pelargonium OR Petroselinum OR Picea OR Pimenta OR Pimento OR Pimpinella OR Pinus OR Piper OR Plectranthus OR Pogostemon OR Polianthes OR Ravensara OR Rosa OR Rosmarinus OR Salvia OR Santalum OR Schinus OR Styrax OR Syzygium OR Tanacetum OR Taxandria OR Thymus OR Tilia OR Tsuga OR Valeriana OR Vetiveria OR Viola OR Zingiber OR Abelmoschus OR Abies OR Achillea OR Agonis OR Allium OR Aloysia OR Amyris OR Anethum OR Angelica OR Aniba OR Anthemis OR Apis OR Artemisia OR Backhousia OR Blumea OR Boronia OR Boswellia OR Cananga OR Callitris OR Canarium OR Carum OR Cedrus OR Chamaecyparis OR Chamaemelum OR Cinnamomum OR Cistus OR Coffea OR Commiphora OR Copaifera OR Coriandrum OR Croton OR Cuminum OR Cupressus OR Cymbopogon OR Daucus OR Dipterocarpus OR Elettaria OR Eugenia OR Evernia OR Ferula OR Foeniculum OR Gaultheria OR Helichrysum OR Humulus OR Hyssopus OR Illicium OR Jasminum OR Juniperus OR Kunzea OR "Laurus Nobilis" OR Lavendula OR Lavandula OR Leptospermum OR Litsea OR Matricaria OR Melaleuca OR Mentha OR Myristica OR Myroxylon OR Myrtus OR Nardostachys OR Nepeta OR Nicotiana OR Ocimum OR Origanum OR Pelargonium OR Petroselinum OR Picea OR Pimenta OR Pimento OR Pimpinella OR Pinus OR Piper OR Plectranthus OR Pogostemon OR Polianthes OR Ravensara OR Rosa OR Rosmarinus OR Salvia OR Santalum OR Schinus OR Styrax OR Syzygium OR Tanacetum OR Taxandria OR Thymus OR Tilia OR Tsuga OR Valeriana OR Vetiveria OR Viola) AND (oil OR oils))) AND Publication Type = Systematic Review

OR

abstract:(((Allspice OR Ambrette OR Amyris OR Angelica OR Anise OR Balsam OR Basil OR Bay OR Beeswax OR Benzoin OR Bergamot OR Birch OR Boronia OR "Bursera Graveolens" OR Cade OR Cajeput OR Camphor OR Cananga OR Caraway OR Cardamom OR Carrot OR Cassia OR Catnip OR Cedar OR Cedarwood OR Celery OR Chamomile OR Cilantro OR Cinnamon OR Cistus OR Citronella OR Citrus OR Clove OR Coffee OR Coriander OR Cornmint OR Costus OR Cubeb OR Cumin OR Cypress OR Davana OR Dill OR Elemi OR Eucalyptus OR Fennel OR Fir OR Fragonia OR Frankincense OR Galbanum OR Garlic OR Geranium OR Ginger OR Grapefruit OR Helichrysum OR Hemlock OR Hemp OR Hinoki OR Ho OR "Hong Kuai" OR Hops OR Hyssop OR Immortelle OR Jasmine OR Jatamansi OR Juniper OR Kanuka OR Kunzea OR Labdanum OR Laurel OR Lavandin OR Lavender OR Lemon OR Lemongrass OR

Lime OR Linden OR Mandarin OR Manuka OR Marjoram OR "May Chang" OR Melissa OR Menthol OR
 Mint OR Mugwort OR Myrrh OR Myrtle OR Nard OR Neroli OR Niaouli OR Nutmeg OR Oakmoss OR
 Olibanum OR Opoponax OR Orange OR Oregano OR Palmarosa OR Palo-Santo OR Parsley OR
 Patchouli OR Pepper OR Peppermint OR Petitgrain OR Pimento OR Pine OR Primrose OR Ravensara
 OR Ravintsara OR Rosalina OR Rose OR Rosemary OR Rosewood OR Sage OR Sandalwood OR Saro OR
 Spearmint OR Spikenard OR Spruce OR Tagetes OR Tangerine OR Tansy OR Tea-Tree OR Thuja OR
 Thyme OR Tobacco OR Tuberose OR Tulsi OR Valerian OR Vanilla OR "Lemon Verbena" OR Vetiver OR
 Violet OR Wintergreen OR Wormwood OR Yarrow OR Ylang-Ylang OR Yuzu OR Abelmoschus OR Abies
 OR Achillea OR Agonis OR Allium OR Aloysia OR Amyris OR Anethum OR Angelica OR Aniba OR
 Anthemis OR Apis OR Artemisia OR Backhousia OR Blumea OR Boronia OR Boswellia OR Cananga OR
 Callitris OR Canarium OR Carum OR Cedrus OR Chamaecyparis OR Chamaemelum OR Cinnamomum
 OR Cistus OR Coffea OR Commiphora OR Copaifera OR Coriandrum OR Croton OR Cuminum OR
 Cupressus OR Cymbopogon OR Daucus OR Dipterocarpus OR Elettaria OR Eugenia OR Evernia OR
 Ferula OR Foeniculum OR Gaultheria OR Helichrysum OR Humulus OR Hyssopus OR Illicium OR
 Jasminum OR Juniperus OR Kunzea OR "Laurus Nobilis" OR Lavendula OR Lavandula OR
 Leptospermum OR Litsea OR Matricaria OR Melaleuca OR Mentha OR Myristica OR Myroxylon OR
 Myrtus OR Nardostachys OR Nepeta OR Nicotiana OR Ocimum OR Origanum OR Pelargonium OR
 Petroselinum OR Picea OR Pimenta OR Pimento OR Pimpinella OR Pinus OR Piper OR Plectranthus OR
 Pogostemon OR Polianthes OR Ravensara OR Rosa OR Rosmarinus OR Salvia OR Santalum OR Schinus
 OR Styrax OR Syzygium OR Tanacetum OR Taxandria OR Thymus OR Tilia OR Tsuga OR Valeriana OR
 Vetiveria OR Viola OR Zingiber OR Abelmoschus OR Abies OR Achillea OR Agonis OR Allium OR Aloysia
 OR Amyris OR Anethum OR Angelica OR Aniba OR Anthemis OR Apis OR Artemisia OR Backhousia OR
 Blumea OR Boronia OR Boswellia OR Cananga OR Callitris OR Canarium OR Carum OR Cedrus OR
 Chamaecyparis OR Chamaemelum OR Cinnamomum OR Cistus OR Coffea OR Commiphora OR
 Copaifera OR Coriandrum OR Croton OR Cuminum OR Cupressus OR Cymbopogon OR Daucus OR
 Dipterocarpus OR Elettaria OR Eugenia OR Evernia OR Ferula OR Foeniculum OR Gaultheria OR
 Helichrysum OR Humulus OR Hyssopus OR Illicium OR Jasminum OR Juniperus OR Kunzea OR "Laurus
 Nobilis" OR Lavendula OR Lavandula OR Leptospermum OR Litsea OR Matricaria OR Melaleuca OR
 Mentha OR Myristica OR Myroxylon OR Myrtus OR Nardostachys OR Nepeta OR Nicotiana OR
 Ocimum OR Oreganum OR Origanum OR Pelargonium OR Petroselinum OR Picea OR Pimenta OR
 Pimento OR Pimpinella OR Pinus OR Piper OR Plectranthus OR Pogostemon OR Polianthes OR
 Ravensara OR Rosa OR Rosmarinus OR Salvia OR Santalum OR Schinus OR Styrax OR Syzygium OR
 Tanacetum OR Taxandria OR Thymus OR Tilia OR Tsuga OR Valeriana OR Vetiveria OR Viola) AND (oil
 OR oils)) AND Publication Type = Systematic Review
 = 51 records

APPENDIX B. STUDY SELECTION

Inclusion codes, code definitions, and criteria

1. Is the full-text of the article in English?
 - Yes → Proceed to 2.
 - No → STOP. **Code X1** (*Non-English language publication*).

2. Does the population include adults (aged 18+) receiving an intervention of interest?
 - Yes → Proceed to 3.
 - No → STOP. **Code X2** (*Excluded population*)
 - Note: a study that includes both children and adults may be included if it represents the best or only evidence for a particular health condition.*

3. Is the study design a systematic review or meta-analysis that includes randomized controlled trials (RCTs)?

Include: SR/MAs that conduct a comprehensive search (*eg*, more than one electronic database), specify inclusion/exclusion criteria, and assess study quality using validated criteria.

Note: We will abstract data from controlled clinical trials (such as non-randomized controlled trials and pre-post experimental studies) that are included in the SR. The SR must include at least 1 RCT to be eligible for inclusion.

Exclude: Narrative or non-systematic review, critical review, scoping review, opinion/editorial, or primary study.

- Yes → Proceed to 4.
- No → STOP. **Code X3** (*Excluded study design or publication type*)

B code instructions: Mark “B” any excludes that we should reference later, *eg*:
 B-X3 – Narrative review with good background
 B-X3 – May be useful for discussion

4. Does the systematic review include inhaled or topically applied essential oils among the interventions, and report results specific to essential oils? Studies of essential oils as an adjunct therapy that report the additional effects of the intervention, compared with a study arm containing the primary therapy by itself, are included.

Yes → Proceed to 5.

Include: essential oils produced by steam or water distillation of the leaves, wood, petals, buds, needles, bark, or roots of aromatic botanicals. In the case of citrus rind oils, cold-pressing is also an acceptable method of extraction.

Exclude: EO preparations that are ingested or directly applied to oral or mucosal membranes; aromatic oils not produced by steam or hydro distillation formulations that include active ingredients in addition to EOs, *eg*:

- Vicks VapoRub (both regular and lemon versions contain camphor)
- Evening primrose is not an EO, being cold-pressed from seed, however it may be used as a carrier oil in EO preparations. Epogam is a product derived from primrose.
- Snoezelen, a multi-sensory intervention

No → STOP. **Code X4** (*Contains no EO data*)

5. **Code I** (Systematic review that reports results specific to essential oils)
Indicate the intervention type by recording the modality (*eg*, inhaled, topical, mouth rinse.) Also note the population or health condition, the specific essential oil if applicable, any other distinguishing characteristics.
Example: “**I – inhaled, dementia, tea tree oil**”
6. If the systematic review is eligible but is superseded by a more recent, relevant, or comprehensive review on the same topic, use **Code X6**.

APPENDIX C. ASSESSMENT OF CONFIDENCE IN THE EVIDENCE FROM SYSTEMATIC REVIEWS OF AROMATHERAPY AND ESSENTIAL OILS

Health condition/ target population	Outcome category	Sample size	Number of trials	Consistency	Directness	Overall ROB	Confidence score	Summary of effect	Overall confidence
		1: <100 2: 100-500 3: 500+	0: 2+ -1: 1	0: No major flaw -1: Serious inconsistency	0: No major flaw -1: Limited applicability	0: Unclear or Low -1: High			
Inhaled EO's									
Anxiety, healthcare waiting spaces ¹⁷	Psychological	3	0	-1	0	0	2*	Unclear	Insufficient
Anxiety, palliative care ¹⁸	Psychological	2	0	0	0	-1	1	No effect	Low
Anxiety, various populations ¹⁹	Psychological	3	0	-1	-1	-1	0	Unclear	Insufficient
Burn patients ²⁰	Psychological	2	0	-1	0	-1	0	Unclear	Insufficient
	Physical	2	0	-1	0	-1	0	Unclear	Insufficient
	Sleep	1	-1	0	0	-1	-1	Unclear	Insufficient
Cancer ²¹	Psychological	2	0	-1	0	-1	0	Unclear	Insufficient
	Physical	2	0	-1	0	-1	0	Unclear	Insufficient
	Global	2	0	-1	0	-1	0	Unclear	Insufficient
Dementia ¹⁶	Psychological	2	0	-1	0	-1	0	Unclear	Insufficient
	Global	2	0	-1	0	0	1*	Unclear	Insufficient
Depression ²²	Psychological	3	0	-1	-1	-1	0	Unclear	Insufficient
Dysmenorrhea ²³	Physical	3	0	-1	0	0	2	Positive	Moderate
Hemodialysis patients ²⁴	Psychological	2	0	-1	0	0	1	Potential positive	Low
	Physical	2	0	-1	0	-1	0	Unclear	Insufficient
	Global	1	-1	0	0	-1	-1	Unclear	Insufficient
	Sleep	2	0	0	0	0	2	Potential positive	Moderate
Hypertension ²⁵	Physical	2	0	-1	0	0	1	Potential positive	Low
Labor/childbirth ²⁶	Physical	3	0	-1	0	0	2	Potential positive	Moderate

Health condition/ target population	Outcome category	Sample size	Number of trials	Consistency	Directness	Overall ROB	Confidence score	Summary of effect	Overall confidence
		1: <100 2: 100-500 3: 500+	0: 2+ -1: 1	0: No major flaw -1: Serious inconsistency	0: No major flaw -1: Limited applicability	0: Unclear or Low -1: High			
Nausea/vomiting, postoperative ²⁷	Nausea/ vomiting	2	0	-1	0	-1	0	Unclear	Insufficient
Nausea/vomiting, pregnancy ²⁸	Psychological	2	-1	0	0	0	1*	Unclear	Insufficient
	Nausea/ vomiting	2	0	0	0	0	2*	Unclear	Insufficient
Pain, hemiplegic shoulder pain after stroke ²⁹	Physical	1	-1	0	0	0	0	Unclear	Insufficient
Pain, postoperative ³⁰	Physical	2	0	-1	0	-1	0	Unclear	Insufficient
Perioperative, various surgery types ³¹	Psychological	2	0	0	0	-1	1	Potential positive	Low
	Physical	2	0	-1	0	-1	0	Unclear	Insufficient
	Nausea/ vomiting	3	0	-1	0	-1	1*	Unclear	Insufficient
Psychological symptoms in women aged 45+ ³²	Psychological	2	0	0	-1	-1	0	Unclear	Insufficient
Sexual symptoms in women aged 45+ ³³	Psychological	1	-1	0	0	-1	-1	Unclear	Insufficient
Sleep, critical care/ICU ³⁴	Sleep	1	-1	0	0	-1	-1	Unclear	Insufficient
Sleep, various populations ³⁵	Sleep	2	0	-1	0	-1	1	Potential positive	Low
Stress, healthy adults ³⁶	Psychological	2	0	0	0	-1	1	Potential positive	Low
Stress, nurses ³⁷	Psychological	2	0	0	0	-1	1*	Unclear	Insufficient
Topical EOs									
Acne ³⁸	Physical	1	-1	0	0	0	0	Unclear	Insufficient
Episiotomy wound healing ³⁹	Physical	1	-1	0	0	0	0	Unclear	Insufficient
Onychomycosis ⁴⁰	Physical	2	-1	0	-1	0	0	Unclear	Insufficient

Health condition/ target population	Outcome category	Sample size	Number of trials	Consistency	Directness	Overall ROB	Confidence score	Summary of effect	Overall confidence
		1: <100 2: 100-500 3: 500+	0: 2+ -1: 1	0: No major flaw -1: Serious inconsistency	0: No major flaw -1: Limited applicability	0: Unclear or Low -1: High			
Tinea pedis ⁴⁰	Physical	2	0	0	0	0	2	Potential positive	Moderate

*Calculated confidence score was superseded by unclear treatment effect.

APPENDIX D. PEER REVIEW COMMENTS/AUTHOR RESPONSES

Reviewer Number	Reviewer Comment	Author Response
Are the objectives, scope, and methods for this review clearly described?		
1	Yes	
2	Yes	
3	Yes	
4	Yes	
5	Yes	
7	Yes	
Is there any indication of bias in our synthesis of the evidence?		
1	No	
2	No	
3	<p>Yes - The report states that it “included 25 SRs examining these interventions across a variety of targeted health-related conditions and populations” which one expects would mean that conditions as well as the population/s will be described.</p> <p>However, the report goes onto describing “several potentially promising areas – including labor/childbirth, hypertension, hemodialysis, stress, perioperative care, and insomnia.” In this list, the report aggregates conditions and populations as if they were comparable items. For example, you may find a SR on labor/delivery population, but what you are really looking for is the effect of an intervention (i.e. aromatherapy) on a certain condition/symptom (i.e. anxiety) on a specific population (i.e. women undergoing labor/delivery). Therefore, the graphic provided as “map” reflects this same confusion regarding the evidence. For example, see Figure 1. Map of the evidence from systematic reviews of inhaled and topical essential oils for targeted health conditions/populations. In this figure, you see a list under the title “Inhaled EO Interventions” that includes:</p>	<p>We agree that the heterogeneity in the labels used for health condition/population categories presents a challenge. We have added a table to define the specific outcomes for each population, with additional notes about the study samples. We have also relabeled the categories to specify symptoms or outcomes that were targeted by the intervention – for example, “SBP/DBP, hypertension” instead of simply “Hypertension” indicates that the condition treated was blood pressure, and not some other type of condition such as stress.</p>
3	[Continued from above] Anxiety in palliative care populations [this seems correct, it describes “Inhaled EO Interventions” on a certain condition/symptom (i.e. anxiety), on a specific population (i.e. palliative care patients)]	Agree. No change was made.
3	[Cont.] Burn patients - this seems to be missing information that would make the analysis helpful, as it describes “Inhaled EO Interventions” on a specific population (i.e. burn patients) but does not explain for what condition/symptom (i.e. anxiety). How is one supposed to understand the information? We know that the same intervention may have evidence for one symptom/condition, but not for another.	Replaced with “Symptom relief, burn patients”
3	[Cont.] Cancer - Same as above, this seems to be missing information that would make the analysis helpful, as it describes “Inhaled EO Interventions” on a specific population (i.e. cancer patients) but does not explain for what condition/symptom (i.e. anxiety? Pain? Nausea?). How is one supposed to understand the information? I am having a hard time understanding what the information is that the report is conveying to a clinician who is trying to identify what	Replaced with “Symptom relief, cancer patients”

	to recommend to his/her patients asking if they could try aromatherapy for a certain symptom.	
3	[Cont.] Hemodialysis patients - Same as above, this seems to be missing information that would make the analysis helpful, as it describes "Inhaled EO Interventions" on a specific population (i.e. Hemodialysis patients) but does not explain for what condition/symptom (i.e. pruritus? Pain? fatigue?). when analyzing the literature, the evidence may be existing for some symptoms and not for others or may be of different quality for one symptom than another symptom.	We have relabeled the category to read, "Complications, hemodialysis patients"
3	[Cont.] Similarly, in the conclusions, the report states: "There is moderate confidence that aromatherapy is effective for pain in dysmenorrhea. We found potential positive effects of aromatherapy for labor/childbirth [population missing condition/s], hypertension [[condition, missing population/s], hemodialysis [population missing condition/s], stress [condition, missing population/s], perioperative care [condition, missing population/s], and insomnia [condition, missing population/s], with low to moderate confidence in the evidence." According to the data abstraction paragraph in the report, this should be possible to do with the data abstracted. I also looked at the actual SRs on PubMed and all SRs included provide a list of the symptoms/conditions, so it is unclear why the report does not specify them (i.e. Bouya et al, 2018: The results showed that aromatherapy reduced some of the complications of hemodialysis, including anxiety, fatigue, pruritus, pain of arteriovenous fistula puncture, sleep quality, depression, stress and headache).	Agree, as above. We have more clearly noted the targeted conditions/symptoms and populations in Table 3.
4	No	
5	No	
7	No	
Are there any <u>published</u> or <u>unpublished</u> studies that we may have overlooked?		
1	No	
2	No	
3	No	
4	No	
5	Yes - Fisser and Pilkington (2012). Lavender and sleep. European J Integrative medicine. Lakhan, Sheafer and Tepper (2016) Effectiveness of aromatherapy in reducing pain. Pain Research & Treatment. This systematic review may not have met all your criteria as I don't see a rigorous review of risk of bias.	Thank you for bringing the Fisser review to our attention. It was not captured by our search. We have reviewed it, and all the studies it included (minus 1 dissertation by Borromeo) were also included in the more recent review by Lillehei and Halcon which is included in this evidence map. The Lakhan review, while captured in our search, did not meet our criteria due to lack of ROB assessment.
7	No	
Additional suggestions or comments can be provided below. If applicable, please indicate the page and line numbers from the draft report.		
1		
2	Really excellent job	Thank you!

3	it will be helpful to consistently report in the same format for all SRs, including the intervention, condition/symptom and population	Agree - we have relabeled the categories for greater consistency and added Table 3 to clarify the conditions/symptoms and populations.
4	The report was complete and accurate within its scope. I assume that the criteria used are standard criteria for any health care intervention, but I wondered if other clinical intervention studies would normally have sample sizes of over 500 in order to be judged adequate. The authors were very clear about the limitations of the report given the paucity of systematic reviews. They also were clear that they did not evaluate the individual studies included in the reviews. However, I would recommend in the future adding a column to the review tool addressing whether the SR authors addressed product integrity indicators (Latin name, chemotype, GC/MS analysis) in their review.	For the sample size criteria (500+), we combined samples from all trials that reported the outcome of interest. The excellent suggestion to capture product integrity indicators is noted. Because we relied on evidence from systematic reviews rather than primary studies, product information was generally absent. We captured data about EO type and concentration when available, but even this information was sparsely reported.
5		
7		