Table 4: The ON TRACK Network Research Prioritisation Project top 49 research questions.

Rank/ score group	Research question theme	Research question	Specific relevance to Māori*	Specific relevance to Pacific people*	'Intervention' applied to	Timing of 'intervention'	Intended beneficiary
1st=- Score 90.1	Models of care/ service provision	Evaluate the effect of a Māori model antenatal care on long-term maternal and perinatal outcomes	Direct		healthcare system	in pregnancy	mother and offspring
		Design, implement and evaluate an effective model of antenatal care for Māori and assess the impact on preterm birth and other health outcomes	Direct		healthcare system	in pregnancy	mother and offspring
		Identify strategies that support Māori concepts of wellness and spirituality within maternity care and assess their effectiveness on maternal and perinatal health outcomes	Direct		healthcare system	unspecified/ crossover	mother and offspring
		What is the impact of Kaupapa Māori healthcare services on maternal and perinatal health outcomes for Māori women and whānau	Direct		healthcare system	unspecified/ crossover	mother and offspring
		Compare the effectiveness of antenatal education located in Māori led entities/on Marae grounds with other locations (i.e. families home, District Health Board, Lead Maternity Carer clinic) on health outcomes	Direct		healthcare system	in pregnancy	mother and offspring
		Determine and evaluate the best methods to meet the needs of Māori and Pacific women to engage early with a Lead Maternity Carer	Direct	Direct	Mother	unspecified/ crossover	mother and offspring
		Identify the barriers and enablers to Pasifika women in accessing and engaging with maternity health care services in New Zealand and evaluate the effectiveness of strategies to increase access.		Direct	healthcare system	unspecified/ crossover	mother and offspring
	Workforce	Evaluate strategies to increase Māori Lead Maternity Carer service provision	Direct		healthcare system	unspecified/ crossover	mother and offspring
		Evaluate strategies to increase Pacific Lead Maternity Carer service provision		Direct	healthcare system	unspecified/ crossover	mother and offspring
		Assess the feasibility and effectiveness of collaborations of General Practitioners and Lead Maternity Carer care with Marae and other Kaupapa Māori services/roopu to improve access to healthcare for Māori mothers and babies	Direct		healthcare system	unspecified/ crossover	mother and offspring
		Evaluate ways to develop the Māori workforce in maternity and newborn health services	Direct		healthcare system	unspecified/ crossover	mother and offspring
	Specific interventions/ conditions	What smoking cessation strategies support Māori women and whānau to become smoke free	Direct		mother	unspecified/ crossover	mother and offspring

Table 4 (continued): The ON TRACK Network Research Prioritisation Project top 49 research questions.

Rank/ score group	Research question theme	Research question	Specific relevance to Māori*	Specific relevance to Pacific people*	'Intervention' applied to	Timing of 'intervention'	Intended beneficiary
13th = Score 86.9	Models of care/ service provision	Develop and evaluate culturally responsive programmes to best support bonding, attachment and parenting practices in Māori and Pacific families	Direct	Direct	healthcare system	unspecified/ crossover	mother and offspring
		Determine and assess the effect of wrap-around whānau-based maternity and newborn healthcare that is located in community focus points on maternal and perinatal health outcomes	Direct	Direct	healthcare system	unspecified/ crossover	mother and offspring
		Assess the feasibility and effectiveness of co-locating maternal and newborn healthcare services on Marae grounds	Direct		healthcare system	unspecified/ crossover	mother and offspring
		Assess the feasibility and effectiveness of mobile clinics to improve access to healthcare for Māori mothers and babies	Direct		healthcare system	unspecified/ crossover	mother and offspring
		Evaluate different approaches to maternity health service provision for Māori in rural and urban areas in New Zealand and the impact on maternal and perinatal health outcomes	Direct		healthcare system	unspecified/ crossover	mother and offspring
		Evaluate the effectiveness of strategies to reduce morbidity and mortality rates for Māori and Pacific women and babies in New Zealand	Direct	Direct	healthcare system	unspecified/ crossover	mother and offspring
	Workforce	Determine and evaluate ways to increase practitioner engagement with culturally responsive healthcare practice for Māori and measure the effect of this engagement on Māori health outcomes	Direct		health care professionals	unspecified/ crossover	mother and offspring
	Specific interventions/ conditions	Identify strategies to provide maternal mental health support for Māori pregnant women and implement and evaluate their effectiveness	Direct		mother	unspecified/ crossover	mother and offspring

Table 4 (continued): The ON TRACK Network Research Prioritisation Project top 49 research questions.

Rank/ score group	Research question theme	Research question	Specific relevance to Māori*	Specific relevance to Pacific people*	'Intervention' applied to	Timing of 'intervention'	Intended beneficiary
21st = Score 85.9	Models of care/ service provision	Evaluate strategies to enhance the use of tikanga Māori into maternity care	Direct		healthcare system	unspecified/ crossover	mother and offspring
		Compare the effectiveness of community led and culturally and spiritually appropriate antenatal education to other forms of antenatal education for Pacific women on health outcomes		Direct	healthcare system	in pregnancy	mother and offspring
		Evaluate ways to increase effective antenatal education within Pacific Island communities		Direct	mother	In pregnancy	mother and offspring
		Identify Pasifika women's experience, as to why and how to access antenatal care in New Zealand, and develop a proposal to evaluate culturally safe strategies to improve access to antenatal care		Direct	healthcare system	unspecified/ crossover	mother and offspring
		Assess the feasibility and effectiveness of follow-up phone call and home-visit after non-attendance at maternity and newborn healthcare appointments for the Pasifika community		Direct	healthcare system	unspecified/ crossover	mother and offspring
		Determine the optimal model of care to engage Māori women in effective (and early) antenatal care and assess effects on health outcomes	Direct		healthcare system	unspecified/ crossover	mother and offspring
	Workforce	Determine the effect of providing education about racism and discrimination to healthcare providers on the antenatal, birthing and postnatal experience of women and their whānau and on the health outcomes of women and babies (including child safety, care and protection)	Direct	Direct	health care professionals	unspecified/ crossover	mother and offspring
	Specific interventions/ conditions	Evaluate the effectiveness of different wound care practices for obese women on maternal health	Indirect	Indirect	mother	postpartum	mother
		Evaluate the effectiveness of strategies to increase maternal vaccination rates in Pacific women		Direct	healthcare system	unspecified/ crossover	mother and offspring
		Determine the most effective ways to increase rates of influenza immunisation in pregnant women	Indirect	Indirect	healthcare system	unspecified/ crossover	mother and offspring
		Evaluate the impact of early diagnosis and treatment of gestational diabetes on maternal and infant outcomes	Indirect	Indirect	mother	in pregnancy	mother and offspring
		Evaluate the effectiveness of dietary and lifestyle interventions compared with pharmacotherapy for women whose HbA1c at booking in early pregnancy is in the range of 41–49 mmol/mol on maternal and infant outcomes	Indirect	Indirect	mother	in pregnancy	mother and offspring
		Develop effective and New Zealand culturally appropriate tools to screen for maternal mental health problems	Indirect	Indirect	mother	unspecified/ crossover	mother and offspring
		Assess the universal use of a validated screening tool to identify women with maternal mental health issues in New Zealand	Indirect	Indirect	mother	unspecified/ crossover	mother and offspring
		Determine and assess the impact of fully funded long term contraception on health outcomes in socially disadvantaged families in New Zealand	Indirect	Indirect	healthcare system	unspecified/ crossover	mother and offspring

Table 4 (continued): The ON TRACK Network Research Prioritisation Project top 49 research questions.

Rank/ score group	Research question theme	Research question	Specific relevance to Māori*	Specific relevance to Pacific people*	'Intervention' applied to	Timing of 'intervention'	Intended beneficiary
36th Score 83.7	Specific interventions/ conditions	Determine the most effective strategy to provide culturally responsive wrap-around care (He Korowai Manaki) for women with substance abuse in pregnancy and the impact on maternal and perinatal health	Indirect	Indirect	mother	unspecified/ crossover	mother and offspring
37th = Score 82.9	Models of care/ service provision	Evaluate ways to increase access to kaupapa Māori birthing options	Direct		healthcare system	unspecified/ crossover	mother and offspring
		Determine the impact of appropriate whānau space in neonatal units to enable culturally responsive care for Māori babies	Direct		healthcare system	neonatal - preterm baby, neonatal - unspecified or term baby	offspring
		Evaluate ways to increase the provision of traditional Māori birthing practices within secondary/tertiary birthing facilities	Direct		healthcare system	unspecified/ crossover	mother and offspring

Table 4 (continued): The ON TRACK Network Research Prioritisation Project top 49 research questions.

Rank/ score group	Research question theme	Research question	Specific relevance to Māori*	Specific relevance to Pacific people*	'Intervention' applied to	Timing of 'intervention'	Intended beneficiary
40th = Score 82.7	Models of care/ service provision	Evaluate approaches to provide equitable access to wrap-around pregnancy care that includes health and social services support during pregnancy	Indirect	Indirect	healthcare system	unspecified/ crossover	mother and offspring
		Evaluate approaches to enable a national maternity and newborn health record to be accessible to all health care professionals involved in maternity care			healthcare system	unspecified/ crossover	mother and offspring
		Determine the effectiveness of multidisciplinary team based maternity care for high risk women in New Zealand (Lead Maternity Carer, General Practitioner and secondary care)			healthcare system	unspecified/ crossover	mother and offspring
		Evaluate the effect of different packages of care to support parents and whānau/carers when an infant born preterm is discharged from hospital	Indirect	Indirect	healthcare system	neonatal - preterm baby, neonatal - unspecified or term baby	mother and offspring
		Determine and assess the impact of poverty reduction interventions (provision of clothing, shelter and food) on maternal and perinatal health outcomes within vulnerable populations	Indirect	Indirect	healthcare system	unspecified/ crossover	mother and offspring
		Evaluate ways to more effectively implement existing maternal and perinatal health research findings within high-needs communities	Indirect	Indirect	healthcare system	unspecified/ crossover	mother and offspring
		Determine the effectiveness of a walk-in centre for Pasifika women and their newborns for access and attendance for maternity care		Direct	healthcare system	unspecified/ crossover	mother and offspring
	Workforce	Evaluate strategies to increase numbers of Lead Maternity Carer providers			healthcare system	unspecified/ crossover	mother and offspring
		Develop and evaluate interventions to increase the proportion of health care professionals practicing in rural and other under-served areas	Indirect	Indirect	healthcare system	unspecified/ crossover	mother and offspring
	Specific interventions/ conditions	Evaluate the effectiveness of strategies to increase knowledge of, and access to, appropriate contraception including in areas and groups of need	Indirect	Indirect	mothers	unspecified/ crossover	mother and offspring

*Specific relevance to Māori and/or Pacific people was determined as 'direct' if research questions only included these groups or as 'indirect' if the health condition included is one where Māori and Pacific people are over-represented.