

## Online supplementary file 2: Characteristics of Included Reviews

Study ID (Author, Year)	Corresponding Author's Country	Infectious diseases	Search period	Includes meta- analysis (Yes/No)	Number of studies included ( <i>Number of UK studies</i> )	Publication year range for included studies	Protected characteristics	Socioeconomic inequalities	Inclusion health groups
Abraha, 2018 <sup>58</sup>	Switzerland	AMR-Gonorrhoea	1946-2017	No	24 (unclear)	1989-2017	✓	✓	
Adams, 2018 <sup>75</sup>	UK	Gastrointestinal Infection	1980 - 2015	Yes	77 (unclear)	1995-2015	✓	✓	
Aldridge, 2018 <sup>46</sup>	UK	Not specified	2005- 2015	Yes	337 (unclear)	not reported	✓		✓
Alividza, 2018 <sup>47</sup>	UK	AMR	no date limit	No	19 (at least 2)	1998 to 2015		✓	
Arat, 2019 <sup>116</sup>	Sweden	Vaccination	not reported	No	15 (2)	2007-2017		✓	
Arum, 2021 <sup>50</sup>	UK	HIV, HCV	2000 - 2017	Yes	37 (6)	2000 – 2019			✓
Badri, 2021 <sup>93</sup>	Iran	Ocular toxocariasis	1966 - 2019	Yes	101 (4)	1966 - 2020	✓		
Behera, 2018 <sup>76</sup>	India	HIV	Not reported	No	Not reported	1989 - 2017	✓		
Beijer, 2012 <sup>48</sup>	UK	TB, HCV virus, and HIV	1980 - 2012	Yes	43 (4)	1984 - 2011	✓	✓	✓
Bocquier 2017 <sup>118</sup>	France	Vaccination	2000 - 2016	No	43 (5)	Not reported		✓	
Bonten, 2020 <sup>77</sup>	Netherlands	<i>Escherichia coli bacteraemia</i>	2007- 2018	Yes	210 (21)	2007-2018	✓		
Chan, 2017 <sup>18</sup>	Australia	TB	Inception- 2017	Yes	20 (1)	1990-2015			✓
Chen, 2019 <sup>70</sup>	China	HIV disease	unclear - 2019	Yes	101 (1)	1984-2017	✓		
Chernet, 2017 <sup>14</sup>	Switzerland	Six selected infectious diseases	not reported	Yes	96 (unclear)	2000-2017			✓
Coffey, 2018 <sup>113</sup>	Australia	Group A Streptococcal infection, acute rheumatic fever	Unclear - 2016	No	91 (unclear)	1944 - 2016		✓	
Colledge, 2020 <sup>74</sup>	Australia	HCV	not reported	No	223 (16)	2008 -2017	✓	✓	
Cormier, 2019 <sup>44</sup>	Canada	TB/HIV	1980 - 2017.	No	475 (0)	1984-2017	✓	✓	✓
Crichton, 2015 <sup>78</sup>	UK	Genital chlamydia infection	Inception - 2014	Yes	36 (3)	not reported	✓	✓	
De Vito, 2017 <sup>19</sup>	Denmark	Vaccination	2007- 2017	No	35 +21 (4)	not reported		✓	✓
Denning, 2018 <sup>79</sup>	UK	Vulvovaginal candidiasis	1985 - 2016	Yes	8 (2)	2000-2013	✓		
Di Gennaro, 2017 <sup>120</sup>	Mozambique	TB - MDR	Inception - 2016	Yes	50 (1)	1997 - 2016		✓	
Ding, 2020 <sup>114</sup>	China	HBV	Inception - 2020	Yes	10 (0)	1995 - 2019		✓	
Dong, 2020 <sup>94</sup>	China	Cryptosporidium Infection	1960 - 2018	Yes	221 (unclear)	Unclear	✓	✓	
Dugan, 2021 <sup>95</sup>	USA	HCV	2000 - 2018	No	41 (unclear)	Unclear	✓		
Eilami, 2019 <sup>104</sup>	Iran	HIV/AIDS	2010 - 2017	Yes	54 (unclear)	2010-2017	✓		
Fakoya, 2015 <sup>71</sup>	UK	HIV	2002- 2014	No	27 (9)	2003-2014	✓		
Falagas, 2008 <sup>59</sup>	Greece	Vaccination	Not reported	No	39 (1)	1979-2005	✓	✓	
Falla, 2018 <sup>20</sup>	Netherlands	Chronic HCV	2000-2015	No	Part 1: 18 (unclear) Part 2: 56 (1)				✓
Faria, 2021 <sup>96</sup>	Brazil	Vaccination	Inception-2020	Yes	31 (0)	2001 -2020	✓	✓	
Fauroux, 2017 <sup>105</sup>	Spain	Respiratory Syncytial Virus	1995 - 2015	No	74 (8)	Unclear	✓	✓	
Faustini, 2005 <sup>21</sup>	Italy	TB (MDR)	1993-2003	Yes	29 (3)	1995-2005	✓		✓
Fernández, 2015 <sup>60</sup>	Denmark	Vaccination: HPV	not reported	No	23(8)	2008-2014	✓	✓	
Fisher, 2013 <sup>61</sup>	UK	Vaccination: HPV	Inception- 2012	Yes	27(1)	2008-2012	✓	✓	
Forshaw, 2017 <sup>117</sup>	UK	Vaccination	1990 - 2016	Yes	37(0)	1990- 2015	✓	✓	
Foumet, 2018 <sup>8</sup>	Netherlands	Vaccination	1950- 2013	No	48/15 (at least 1)	not reported	✓		✓
Ghiasvand, 2020 <sup>80</sup>	Iran	HIV/AIDS	Inception - 2017	Yes	19 (0)	2005 - 2017	✓	✓	
Gorjana, 2017 <sup>62</sup>	Australia	HPV Vaccination	Unclear - 2015	No	18 (1)	2010 - 2015	✓		

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Greenaway, 2015 <sup>22</sup>	Canada	HCV	not reported	Yes	50(0)	1990-2013	✓	✓	✓
Hahne, 2013 <sup>24</sup>	The Netherlands	HBV and HCV	2000 - 2009	No	124 (9)	Unclear	✓		✓
Hermann, 2019 <sup>81</sup>	Canada	Vaccination	2000- 2017	No	33 (15)	2001-2016	✓		
Jackson, 2021 <sup>38</sup>	Ireland	Tuberculosis and MDR-TB	Unclear - 2020	Yes	32 (3)	2010 - 2018			✓
Jain, 2017 <sup>25</sup>	UK	Vaccination	not reported	Yes	35 (5)	1997 and 2015	✓	✓	✓
Jin, 2020 <sup>72</sup>	Australia	HCV	2000 - 2019	Yes	194 (at least 14)	Unclear			✓
Kabapy, 2020 <sup>39</sup>	Egypt	HIV	1982 - 2018	Yes	231 (unclear)	Unclear	✓	✓	✓
Kawatsu, 2014 <sup>26</sup>	Japan	TB	Not reported	No	18 (1)	1997 - 2012	✓	✓	✓
Kentikelenis, 2015 <sup>27</sup>	UK	Various	2007 - 2014	No	21 (unclear)	not reported		✓	✓
Lafond, 2021 <sup>97</sup>	USA	Influenza-associated lower	1996 –2016	Yes	75 (Unclear)	1996 - 2016	✓		
Larson, 2014 <sup>115</sup>	UK	Vaccination	unclear - 2012	No	1164 (at least one)	2007–2012		✓	
Leumi, 2020 <sup>56</sup>	Cameroon	Hepatitis B	1990 - 2017	Yes	358 (unclear)	Unclear	✓		✓
Leung, 2019 <sup>106</sup>	Australia	HIV, HBV, HCV	2008 - 2017	Yes	104(unclear)	not reported	✓		
Li, P. 2020 <sup>82</sup>	Netherlands	HEV	inception - 2019	Yes	419(7)	not reported	✓	✓	
Lindsay, 2015 <sup>83</sup>	Belgium	Norovirus disease	2003 - 2013	No	39 (4)	not reported	✓		
Lucyk, 2019 <sup>119</sup>	Canada	Vaccination- Influenza	2012 - 2017	No	42 (1)	2012- 2017		✓	
Ly, 2021 <sup>51</sup>	France	Various	1980 - 2020	No	81 (4)	Unclear	✓	✓	✓
Macina, 2021 <sup>98</sup>	France	Bordetella pertussis	1990 - 2019	No	88 (7)	Unclear	✓		
Malerba, 2015 <sup>63</sup>	Italy	Vaccination	2000 - 2014	No	11 (1)	2003-2014	✓	✓	
McBride, 2021 <sup>40</sup>	Canada	HIV/STI	2009 - 2019	No	29 (unclear)	Not reported	✓		✓
Millett, 2012 <sup>64</sup>	USA	HIV disease	1981 - 2011	Yes	194 (13)	1981-2011	✓	✓	
Mipatrini, 2017 <sup>28</sup>	Italy	Vaccination	2005-2016	No	58 (7)	not reported			✓
Mirzadeh, 2021 <sup>99</sup>	Iran	Trichomonas vaginalis	1985 - 2020.	Yes	85 (2)	1985 - 2020	✓		
Morais, 2017 <sup>29</sup>	Portugal	<i>Helicobacter pylori</i>	inception - 2015	No	28 (unclear)	1988-2014			✓
Nagata, 2013 <sup>65</sup>	Switzerland	vaccination- Influenza	1980 - 2011	No	80 (7)	not reported	✓	✓	
Najafizada, 2020 <sup>121</sup>	Canada	MDR-TB	1998-2018	No	15(4)	Not reported		✓	
Nava-Aguilera, 2009 <sup>49</sup>	Mexico	TB	unclear - 2005	Yes	30 (1)	1994 - 2008	✓	✓	✓
Nellums, 2018 <sup>42</sup>	UK	AMR	2000- 2017	Yes	23 (0)	2006-2016			✓
Newman, 2015 <sup>111</sup>	USA	Foodborne infectious diseases	1980 - 2013	No	16 (3)	not reported	✓	✓	
Nourollahpour Shiadeh, 2020 <sup>110</sup>	Iran	Toxoplasmosis	Inception -2020	Yes	14 (0)	2001- 2019	✓		
Offer, 2015 <sup>66</sup>	UK	TB	1990 - unclear	No	18 (18)	1999-2013	✓	✓	
Okoli, 2020 <sup>30</sup>	Canada	Influenza vaccination	Unclear - 2020	Yes	34 (1)	2004 - 2019	✓	✓	✓
Okoli, 2021 <sup>69</sup>	Canada	Influenza vaccination	2000 - 2020	Yes	36 (2)	2010-2020	✓	✓	
Oldenburg, 2014 <sup>73</sup>	USA	HIV	2004 - 2013	Yes	88 (1)	not reported	✓		✓
Oldenburg, 2015 <sup>52</sup>	USA	HIV	2004 - 2013,	Yes	33 (0)	2004-2013			✓
Operario, 2008 <sup>53</sup>	UK	HIV	1980 -2007	Yes	25 (0)	1988- 2006.	✓		✓
Pega 2021 <sup>41</sup>	Switzerland,	HIV	2010- 2020	Yes	19(1)	2010-2019			✓

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Platt, 2013a <sup>31</sup>	UK	HIV, STIs	Not reported	No	26 (1)	Not reported			✓
Platt, 2013b <sup>32</sup>	UK	HIV, STIs	2005 - 2011	No	73 (5)	Not reported			✓
Possenti, 2016 <sup>84</sup>	Italy	Cystic Echinococcosis	not reported	Yes	37(0)	1964-2014	✓	✓	
Prost, 2007 <sup>33</sup>	UK	HIV	Unknown - 2005	No	138 (unclear)	1996 -2005	✓		✓
Pulver, 2016 <sup>107</sup>	Canada	Vaccination	1980 - 2014	No	12 (1)	1993 - 2013	✓		✓
Richterman, 2018 <sup>85</sup>	USA	Cholera	not reported	Yes	110 (0)	1974-2017	✓	✓	
Rodrigo, 2010 <sup>112</sup>	Sri Lanka	HIV	1999 -2009	No	98 (unclear)	not reported		✓	
Roller-Wirnsberger, 2021 <sup>100</sup>	Austria	Influenza vaccination	2012- 2019	No	44 (at least 1)	2012-2018	✓	✓	
Rossi, 2012 <sup>34</sup>	Canada	HBV	Inception - 2011	Yes	110 (2)	1977 - 2011			✓
Rostami, 2019a <sup>87</sup>	Iran	Toxocariasis	1980 - 2019	Yes	250 (2)	1980 -2019	✓	✓	
Rostami, 2019b <sup>86</sup>	Iran	Acute Toxoplasma infection	1988 - 2018	Yes	217 (3)	1988 - 2018	✓		
Rostami, 2021 <sup>101</sup>	Iran	Toxoplasmosis	1980-2020	Yes	150 (2)	1987-2020	✓	✓	
Salgado-Barreira, 2014 <sup>122</sup>	Spain	HIV	unclear -2012	No	24 (1)	1983- 2010		✓	
Sandgren, 2014 <sup>23</sup>	Sweden	TB	1990- 2012	Yes	15 (1)	not reported			✓
Schepisi, 2018 <sup>88</sup>	Italy	TB	unclear - 2017	Yes	74 (13)	1950-2017	✓		
Schierhout, 2020 <sup>89</sup>	Australia	HTLV-1	1910 - 2018	Yes	39 (0)	1991 - 2018	✓		
Song, 2021 <sup>102</sup>	China	Drug resistant TB (MDR-TB)	2000-2020	Yes	37 (2 at least)	2000-2019	✓		
Spyromitrou-Xioufi, 2020 <sup>90</sup>	Greece	Meningococcal Infection	2008 - 2018	Yes	6 (0)	1999-2017	✓	✓	
Stockdale, 2020 <sup>54</sup>	UK	HDV	1998 - 2019	Yes	282 (at least 1)	not reported			✓
Striffler, 2015 <sup>91</sup>	Canada	Meningococcal Infection	inception - 2013	No	17 (6)	1982-2012	✓		
Suhrcke, 2011 <sup>35</sup>	UK	Various	1947 - 2010	No	37 (2)	not reported		✓	✓
Sultana, 2021 <sup>103</sup>	Bangladesh	HIV and MDR-TB	2010 - 2020	Yes	54 (0)	2010 - 2020	✓		
Tabacchi, 2016 <sup>67</sup>	Italy	Vaccination- MMR	not reported	Yes	45 (19)	2000-2014	✓	✓	
Tauli, 2016 <sup>36</sup>	Brazil	Vaccination	1992- 2014	No	23(0)	not reported	✓	✓	✓
Tavares, 2017 <sup>37</sup>	Portugal	HIV-TB	2000 - 2016	No	27 (2)	2003 - 2016			✓
Tollefson, 2013 <sup>45</sup>	USA	TB	1990 – 2011	No	91 (0)	1990 - 2012			✓
Van Gerwen, 2020 <sup>108</sup>	USA	STI/HIV	1968 - 2018	Yes	25 (0)	not reported	✓		
Vet, 2015 <sup>55</sup>	The Netherlands	Vaccination	Inception-2014	No	18 (0)	not reported	✓	✓	✓
Vukovic,2019 <sup>123</sup>	Italy	Influenza vaccination	Unknown - 2017	No	12 (6)	2004 - 2017		✓	
Wayal, 2018 <sup>68</sup>	UK	STI	Unclear - 2016	No	15 (15)	2000 - 2017	✓		
Whelan, 2021 <sup>109</sup>	The Netherlands	Gonorrhoea	2010 - 2019	No	174 (1)	Unclear	✓		
Wu, 2021 <sup>57</sup>	China	HPV	1990-2019	Yes	107 (0)	1989-2019	✓		✓
Yu, 2020 <sup>43</sup>	USA	HIV/STI	Unclear - 2019	No	21 (0)	2008 -2017			✓
Zamani, 2018 <sup>92</sup>	Iran	<i>Helicobacter pylori</i>	2000 - 2017	Yes	183 (2)	not reported	✓		