

**Figure S1. A PRISMA flow diagram**

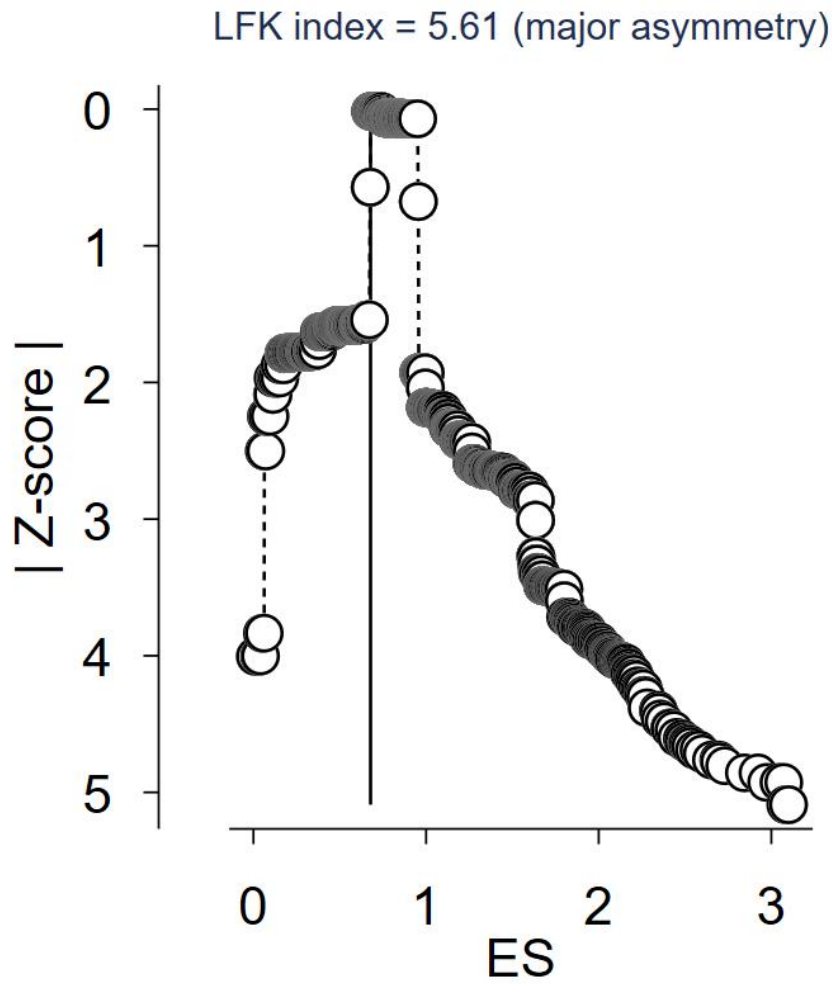


Figure S2. The DOI plot and the Luis Furuya–Kanamori (LFK) index

**Table S1. The characteristics of the individual studies included the meta-analysis**

<b>Author_year</b>	<b>Country</b>	<b>Sample size</b>	<b>Population</b>	<b>Outcome</b>	<b>Instrument</b>
		382	GHCW	ANX	GAD
Agberotimi et al. 2020 <sup>1</sup>	Nigeria	502	GP	ANX DEP INS	GAD, PHQ, ISI
Ahmed et al. 2020 <sup>2</sup>	Bangladesh	500	GP	ANX DEP	DASS
AlAteeq et al.2020 <sup>3</sup>	Saudi Arabia	502	GHCW	ANX DEP	GAD PHQ
Al-Dwaikat et al. 2020 <sup>4</sup>	Jordan	456	GS	ANX DEP	DASS
Ali et al. 2020 <sup>5</sup>	Pakistan	95	MS	ANX DEP	DASS
Almater et al. 2020 <sup>6</sup>	Saudi Arabia	107	GHCW	ANX DEP INS	GAD PHQ ISI
Alsairafi et al. 2021 <sup>7</sup>	Kuwait	559	GHCW	ANX DEP	GAD PHQ
		298	MS	ANX DEP	GAD PHQ
Alshekaili et al. 2020 <sup>8</sup>	Oman	574	FHCW	ANX DEP INS	DASS ISI
		565	GHCW	ANX DEP INS	DASS ISI
An et al. 2020 <sup>9</sup>	China	1103	GHCW	DEP	PHQ
Andrade et al. 2021 <sup>10</sup>	Brazil	380	GP	ANX DEP	GAI
Andrade et al. 2020 <sup>11</sup>	Egypt	320	FHCW	ANX, DEP	HADS
Antiporta et al. 2021 <sup>12</sup>	Peru	57446	GP	DEP	PHQ GAI GDS
		177	FHCW	ANX DEP	GAD
Antonijevic et al. 2020 <sup>13</sup>	Serbia	507	GHCW	ANX DEP	GAD BDI
Apisarnthanarak et al. 2020 <sup>14</sup>	Thailand	160	GHCW	ANX	GAD
Arafa et al. 2021a <sup>15</sup>	Egypt	1629	GP	ANX DEP	DASS
Arafa et al. 2021b <sup>16</sup>	Egypt & SaudiArabia	426	GHCW	ANX DEP	DASS
Aslan et al. 2020 <sup>17</sup>	Turkey	358	GS	ANX DEP	GAD PHQ
Aylie et al. 2020 <sup>18</sup>	Ethiopia	322	GP	ANX DEP	DASS
Bachilo et al. 2020 <sup>19</sup>	Russia	812	GHCW	ANX DEP	GAD PHQ
Badellino et al. 2021a <sup>20</sup>	Argentina	1985	GP	ANX DEP	GAD PHQ
Badellino et al. 2021b <sup>21</sup>	Argentina	2839	GP	DEP	PHQ
Balay-odao et al. 2021 <sup>22</sup>	Saudi Arabia	281	GHCW	ANX DEP	DASS
Barua et al. 2021 <sup>23</sup>	Bangladesh	370	FHCW	ANX DEP	GAD PHQ
Ben-Ezra et al. 2020 <sup>24</sup>	China	1134	GP	DIS	K6
Biswas & Biswas 2021 <sup>25</sup>	India	209	GS	ANX	GAD
Boluarte-Carbajal et al. 2021 <sup>26</sup>	Peru	204	GP	ANX DEP DIS	GAD PHQ HAMA
Brito-Marques et al. 2021 <sup>27</sup>	Brazil	332	GHCW	ANX DEP INS	GAD PHQ ISI PSS
		348	FHCW	ANX DEP INS PTSD	GAD PHQ ISI IES
Cai et al. 2020 <sup>28</sup>	China	361	GHCW	ANX DEP INS PTSD	GAD PHQ ISI IES
Campos et al. 2020 <sup>29</sup>	Brazil	12196	GP	ANX DEP	DASS
Campos et al. 2021a <sup>30</sup>	Brazil	66	GS	ANX DEP	DASS
Campos et al. 2021b <sup>31</sup>	Brazil	1609	GHCW	ANX DEP	DASS
Cao et al. 2020 <sup>32</sup>	China	37	FHCW	DEP	PHQ
Caycho-Rodriguez et al. 2021 <sup>33</sup>	Peru	274	GP	ANX DEP	GAD PHQ
Cayo-Rojas et al. 2021 <sup>34</sup>	Peru	403	GS	ANX	Zung_SRA
	Togo	242	GP	ANX	HSCL
	Haiti	225	GP	ANX	HSCL
	DRC	626	GP	ANX	HSCL
Cenat et al. 2020 <sup>35</sup>	Rwanda	174	GP	ANX	HSCL

Chakraborty et al. 2020 <sup>36</sup>	India	507	GP	DEP	NA
Chatterjee et al. 2020 <sup>37</sup>	India	152	GP	ANX DEP	DASS
Chen et al. 2020 <sup>38</sup>	Ecuador	252	GHCW	ANX DIS	GAD
Chen et al. 2020a <sup>39</sup>	China	105	GHCW	ANX DEP	SAS K6
Chen et al. 2020b <sup>40</sup>	China	1921	GP	ANX	SAS
Chen et al. 2020c <sup>41</sup>	China	422	GHCW	DEP PTSD	SDS IES
		1071	GP	DEP PTSD	SDS IES
		95	FHCW	ANX DEP INS PTSD	GAD PHQ ISI PCL
Chen et al. 2020d <sup>42</sup>	China	77	GHCW	ANX DEP INS PTSD	GAD PHQ ISI PCL
		902	GHCW	ANX DEP	GAD PHQ
Chen et al. 2020e <sup>43</sup>	China	902	GHCW	ANX DEP	GAD PHQ
Cheng et al. 2020 <sup>44</sup>	China	534	GHCW	ANX INS	SAS
	India	384	GHCW	ANX DEP	DASS PSQI
	Indonesia	250	GHCW	ANX	DASS
	Malaysia	175	GHCW	ANX	DASS
	Vietnam	60	GHCW	ANX	DASS
	India	426	FHCW	ANX DEP	DASS
Choi et al. 2020 <sup>47</sup>	China	500	GP	ANX DEP	GAD PHQ
Chow et al. 2021 <sup>48</sup>	Malaysia	200	FHCW	ANX DEP	HADS
Civantos et al. 2020 <sup>49</sup>	Brazil	163	GHCW	ANX DEP	GAD PHQ
Cortés-Álvarez et al. 2020 <sup>50</sup>	Mexico	1105	GP	ANX DEP	DASS
Cypryańska & Nezlak 2020 <sup>51</sup>	Poland	1028	GP	ANX	NA
da Silva et al. 2021 <sup>52</sup>	Brazil	5879	GS	ANX	GAD
Dai et al. 2020 <sup>53</sup>	China	4357	GHCW	DIS	GHQ
Dal’Bosco et al. 2020 <sup>54</sup>	Brazil	88	FHCW	ANX DEP	HADS
Dangal & Bajracharya 2020 <sup>55</sup>	Nepal	76	GS	ANX	GAD
Dantas et al. 2021 <sup>56</sup>	Brazil	67	GHCW	ANX	BAI
Das et al. 2020 <sup>57</sup>	India	422	FHCW	DEP	PHQ
De Boni et al. 2020 <sup>58</sup>	Brazil	2842	GP	ANX DEP	GAD PHQ
Deng et al. 2020 <sup>59</sup>	China	1607	GS	ANX DEP	DASS
Dong et al. 2020 <sup>60</sup>	China	4618	FHCW	DIS	HEI
Du et al. 2020 <sup>61</sup>	China	134	FHCW	ANX DEP	BAI
Duy et al. 2020 <sup>62</sup>	Vietnam	61	GHCW	ANX DEP	DASS BDI
Dzhambov et al. 2020 <sup>63</sup>	Bulgaria	323	GS	ANX DEP	GAD PHQ
Elezi et al. 2021 <sup>64</sup>	Albania	1678	GP	ANX DEP	GAD PHQ
Elhadi et al. 2020a <sup>65</sup>	Libya	745	GHCW	ANX DEP	HADS
Elhadi et al. 2020b <sup>66</sup>	Libya	2430	MS	ANX DEP	GAD PHQ
Elhadi et al. 2020c <sup>67</sup>	Libya	154	FHCW	ANX DEP	HADS
Elhai et al. 2020 <sup>68</sup>	China	908	GP	ANX DEP	GAD
Elkholy et al. 2020 <sup>69</sup>	Egypt	457	FHCW	ANX DEP INS	GAD PHQ ISI
Espinosa-Guerra et al. 2021 <sup>70</sup>	Panama	512	GP	ANX DEP DIS	GAD PHQ
Essangri et al. 2021 <sup>71</sup>	Morocco	549	MS	ANX DEP INS	GAD PHQ ISI IES
Esteves et al. 2021 <sup>72</sup>	Brazil	208	GS	ANX DEP	DASS
Faize & Husain 2021 <sup>73</sup>	Pakistan	342	GS	ANX	GAD
Fang 2020 <sup>74</sup>	China	191	GP	DEP	PHQ
Fauzi et al. 2020 <sup>75</sup>	Malaysia	1050	GHCW	ANX DEP	DASS
Feng 2020 <sup>76</sup>	China	671	GP	ANX DEP PTSD	GAD PHQ PC

Fernández et al. 2020 <sup>77</sup>	Argentina	4408	GP	ANX DEP DIS	BSI
Fernandez et al. 2021 <sup>78</sup>	Brazil	1050	GS	ANX	GAD GSI
Ferreira et al. 2021 <sup>79</sup>	Brazil	1130	GP	ANX DEP	DASS
Feter et al. 2021 <sup>80</sup>	Brazil	1767	GP	ANX DEP	HADS
Flores-Torres et al. 2021 <sup>81</sup>	Mexico	2016	GP	ANX DEP	GAD CES
Fong et al. 2020 <sup>82</sup>	China	590	GP	DEP	PHQ
Fu et al. 2020 <sup>83</sup>	China	1242	GP	ANX DEP INS	GAD PHQ
Gallopeni et al. 2000 <sup>84</sup>	Kosovo	592	GHCW	ANX DEP	HADS AIS
Gao et al. 2020 <sup>85</sup>	China	4872	GP	ANX DEP	GAD WHO
García-Espinosa et al. 2021 <sup>86</sup>	Mexico	1149	GS	ANX DEP	GAD PHQ
Gaş et al. 2021 <sup>87</sup>	Turkey	699	MS	ANX DEP	DASS
Ge et al. 2020 <sup>88</sup>	China	2009	GS	ANX INS	GAD
Giardino et al. 2020 <sup>89</sup>	Argentina	1059	GHCW	ANX DEP INS	GADS ISI
Goularte et al. 2020 <sup>90</sup>	Brazil	1996	GP	ANX DEP INS	DSM ISI
Guiroy et al. 2020 <sup>91</sup>	NA	204	GHCW	DEP	PHQ PROMIS
Guo et al. 2020a <sup>92</sup>	China	3351	FHCW	ANX DEP	SAS SDS
	China	7767	GHCW	ANX DEP	SAS SDS
Guo et al. 2020b <sup>93</sup>	China	2441	GP	DEP INS	CES SDS PSQI
Gupta et al. 2020a <sup>94</sup>	India	368	GHCW	ANX	GAD
Gupta et al. 2020b <sup>95</sup>	Nepal	150	GHCW	ANX DEP	GAD PHQ
Gupta et al. 2020c <sup>96</sup>	India	749	GHCW	ANX DEP	HADS
Gupta et al. 2021d <sup>97</sup>	India	1124	GHCW	ANX	HADS
Han et al. 2020 <sup>98</sup>	China	21199	FHCW	ANX DEP	SAS
Hasan et al. 2020 <sup>99</sup>	Pakistan	151	GHCW	ANX	GAD
Hikmah et al. 2020 <sup>100</sup>	Indonesia	267	GP	ANX	HAMA
Hong et al. 2020 <sup>101</sup>	China	4692	FHCW	ANX DEP	GAD PHQ
Hossain et al. 2020 <sup>102</sup>	Bangladesh	880	GP	ANX	GAD
Hou et al. 2020 <sup>103</sup>	China	3063	GP	ANX DEP	GAD PHQ
Hu et al. 2020a <sup>104</sup>	China	645	FHCW	ANX DEP	GAD PHQ
Hu et al. 2020b <sup>105</sup>	China	2014	FHCW	ANX DEP	SAS
Huang et al. 2020a <sup>106</sup>	China	6261	GP	ANX DEP	SAS SDS
Huang et al. 2020b <sup>107</sup>	China	364	FHCW	ANX	SAS PHQ
Huang et al. 2020c <sup>108</sup>	China	1172	GP	ANX INS	GAD
Idrissi et al. 2020 <sup>109</sup>	Morocco	846	GP	ANX DEP INS	HARS ISI
Imran et al. 2020a <sup>110</sup>	Pakistan	10178	MS	ANX DEP	GAD PHQ BDI
Imran et al. 2020b <sup>111</sup>	Pakistan	337	GHCW	ANX DEP INS	GAD PHQ ISI
Islam et al. 2020 <sup>112</sup>	Bangladesh	476	GS	ANX DEP	GAD PHQ
Jain et al. 2020 <sup>113</sup>	India	512	GHCW	ANX INS	GAD
Jia et al. 2021 <sup>114</sup>	China	740	GS	ANX	SAS
Jin et al. 2020 <sup>115</sup>	China	175	GP	ANX	SAS
Jindal et al. 2020 <sup>116</sup>	India	956	MS	ANX	GAD
Juan et al 2020 <sup>117</sup>	China	416	FHCW	ANX DEP	GAD PHQ
Kafle et al. 2021 <sup>118</sup>	Nepal	254	GHCW	DIS	CPDI
Kalok et al. 2020 <sup>119</sup>	Malaysia	772	GS	ANX DEP	DASS
Kamaludin et al. 2020 <sup>120</sup>	Malaysia	983	GS	ANX	SAS
Karpenko et al. 2020 <sup>121</sup>	Russia	352	GP	ANX DEP	HADS
Kassaw 2020 <sup>122</sup>	Ethiopia	382	GP	ANX DEP	DASS
Keubo et al. 2020 <sup>123</sup>	Cameroon	292	FHCW	ANX DEP	HAD

Khan et al. 2020 <sup>124</sup>	Bangladesh	505	GS	ANX DEP	DASS
Khanal et al. 2020a <sup>125</sup>	Nepal	475	GHCW	ANX DEP INS	HADS
Khanna et al. 2020b <sup>126</sup>	India	2355	GHCW	DEP INS	PHQ ISI
Khatun et al. 2021 <sup>127</sup>	Bangladesh	114	GHCW	ANX DEP	GAD PHQ
Khosshaim et al. 2020 <sup>128</sup>	Saudi Arabia	400	GS	ANX	Zung_SRA
Kiat et al. 2021 <sup>129</sup>	Malaysia	105	FHCW	ANX DEP	DASS
Kibret et al. 2020 <sup>130</sup>	Ethiopia	305	GHCW	ANX	GAD
Kim et al. 2020 <sup>131</sup>	South Africa	211	GP	DEP	CES
Koksal et al. 2020 <sup>132</sup>	Turkey	702	GHCW	ANX DEP	HADS
Kounou et al. 2020 <sup>133</sup>	Togo	62	GHCW	ANX DEP	GAD PHQ
Kumar et al. 2021 <sup>134</sup>	Pakistan	224	FHCW	ANX DEP	DASS
Labrague & Santos 2020 <sup>135</sup>	Philippines	325	FHCW	ANX	Anxiety Scale
Lai et al. 2020b <sup>136</sup>	China	1257	GHCW	ANX DEP INS DIS	GAD PHQ ISI IES
Lam et al. 2020 <sup>137</sup>	China	510	FHCW	DEP	PHQ
Landaeta-DÃaz et al. 2021 <sup>138</sup>	Chile	1725	GP	ANX	BAI
Le et al. 2020 <sup>139</sup>	Vietnam	742	GP	ANX DEP	DASS
Lei et al. 2020 <sup>140</sup>	China	1593	GP	ANX DEP	SAS SDS
Leng et al. 2020 <sup>141</sup>	China	90	FHCW	PTSD	PCL
Li et al. 2020 <sup>142</sup>	China	1109	GP	PTSD	IES
Li et al. 2020a <sup>143</sup>	China	219	FHCW	INS	AIS
	China	729	GHCW	INS	AIS
Li et al. 2020b <sup>144</sup>	China	4396	GHCW	ANX DEP	GAD PHQ
Li et al. 2020c <sup>145</sup>	China	3637	GP	ANX DEP INS	GAD PHQ ISI
Li et al. 2020d <sup>146</sup>	China	1676	GS	ANX	HAI
Li et al. 2020e <sup>147</sup>	China	908	GHCW	ANX DEP	SAS SDS
Li et al. 2020f <sup>148</sup>	China	88611	GP	ANX	GAD
Li et al. 2020g <sup>149</sup>	China	176	FHCW	ANX	HAMA
Li et al. 2020h <sup>150</sup>	China	225	FHCW	ANX DEP PTSD	DASS IES
Li et al. 2020i <sup>151</sup>	China	356	FHCW	PTSD	PCL
Li et al. 2020j <sup>152</sup>	China	150	FHCW	ANX DEP	HAMA
Liang et al. 2020 <sup>153</sup>	China	138	FHCW	ANX DEP INS	GAD PHQ ISI
		1074	GP	ANX DEP INS	GAD PHQ ISI
Liang et al. 2020b <sup>154</sup>	China	4164	GS	DEP	PHQ
Lin et al. 2020a <sup>155</sup>	China	2316	GHCW	ANX DEP INS	GAD PHQ ISI
Lin et al. 2020b <sup>156</sup>	China	5461	GP	ANX DEP INS	GAD PHQ ISI
Lin et al. 2020c <sup>157</sup>	China	628	GS	DEP	CES
Lingawi et al. 2020 <sup>158</sup>	Saudi Arabia	258	GS	ANX	GAD
Liu et al. 2020a <sup>159</sup>	China	512	GHCW	ANX	SAS
Liu et al. 2020b <sup>160</sup>	China	14592	GP	ANX DEP	GAD PHQ
Liu et al. 2020c <sup>161</sup>	China	285	GP	PTSD	PCL
Liu et al. 2020d <sup>162</sup>	China	4976	GHCW	ANX DEP DIS	SAS SDS SRQ
Liu et al. 2020e <sup>163</sup>	China	4991	GP	ANX	SAS
Liu et al. 2020f <sup>164</sup>	China	574	GP	DEP	SDS
Li et al. 2020g <sup>165</sup>	China	317	FHCW	ANX DEP	GAD PHQ
		719	GHCW	ANX DEP	GAD PHQ
Li et al. 2020h <sup>166</sup>	China	742	FHCW	ANX DEP	DASS
		1289	GHCW	ANX DEP	DASS

Lu et al. 2020a <sup>167</sup>	China	2042	GHCW	ANX DEP	HAMA
		257	GP	ANX DEP	HAMA
Lu et al. 2020b <sup>168</sup>	China	1848	GHCW	DEP	CES
		382	FHCW	ANX DEP PTSD	GAD PHQ PCL
Lu et al. 2020c <sup>169</sup>	China	1035	GP	ANX DEP PTSD	GAD PHQ PCL
		746217	GS	ANX DEP	GAD PHQ
Ma et al. 2020 <sup>170</sup>	China	1216	GHCW	DEP	GHQ
		823	GP	DEP	GHQ
Maciaszek et al. 2020 <sup>171</sup>	Poland	823	GP	DEP	GHQ
Malgor et al. 2020 <sup>172</sup>	Brazil	405	GHCW	ANX	GAD
Mamun et al. 2021 <sup>173</sup>	Bangladesh	10067	GP	DEP	PHQ
Manjareeka & Pathak 2021 <sup>174</sup>	India	101	MS	ANX	STAI
Markovic et al. 2020 <sup>175</sup>	Serbia	110	GP	ANX DEP	BAI SDS
Martinez et al. 2020 <sup>176</sup>	Brazil	1613	GP	ANX DEP	HADS
Mautong et al. 2021 <sup>177</sup>	Ecuador	626	GP	ANX DEP	DASS
Mboua et al. 2020 <sup>178</sup>	Cameroon	332	GHCW	ANX DEP	HADS
Mechili et al. 2020 <sup>179</sup>	Albania	863	GS	DEP	PHQ
Medeiros et al. 2020 <sup>180</sup>	Brazil	113	GS	ANX DEP	HADS
Mekonen et al. 2020 <sup>181</sup>	Ethiopia	302	GHCW	ANX DEP	DASS
Mendonca et al. 2021 <sup>182</sup>	Brazil	3071	GS	ANX DEP	GAD PHQ
Mi et al. 2020 <sup>183</sup>	China	1029	GHCW	ANX DEP	GAD PHQ
Mier-Bolio et al. 2020 <sup>184</sup>	Mexico	31	GHCW	ANX	GAD
Mishra et al. 2020 <sup>185</sup>	India	716	GHCW	DIS	SRQ
Mongkhon et al. 2020 <sup>186</sup>	Thailand	4004	GP	ANX DEP INS	GAD PHQ ISI
Monterrosa-Castro et al. 2020 <sup>187</sup>	Colombia	531	GHCW	ANX	GAD
Mora-Magana et al. 2020 <sup>188</sup>	Mexico	231	GHCW	ANX DEP	GAD PHQ
Mosolova et al. 2021 <sup>189</sup>	Russia	1090	FHCW	ANX	GAD
Mota et al. 2021 <sup>190</sup>	Brazil	710	GHCW	INS	ISI
Mulatu et al. 2020 <sup>191</sup>	Ethiopia	420	GHCW	ANX DEP INS	GAD PHQ ISI
Naidoo et al. 2020 <sup>192</sup>	South Africa	150	GHCW	ANX DEP	GAD PHQ
Nam et al. 2021 <sup>193</sup>	Vietnam	1249	GP	ANX	GAD
		1163	GHCW	ANX DEP	GAD PHQ
		1798	GP	ANX DEP	GAD PHQ
Naser et al. 2020 <sup>194</sup>	Jordan	1165	GS	ANX DEP	GAD PHQ
		395	GHCW	ANX DEP	DASS
Nayak et al. 2021 <sup>195</sup>	Trinidad and Tobago	395	GHCW	ANX DEP	DASS
Ng et al. 2020a <sup>196</sup>	Malaysia	22	GHCW	ANX DEP	DASS
Ni et al. 2020a <sup>197</sup>	China	214	GHCW	ANX DEP	GAD PHQ
		1577	GP	ANX DEP	GAD PHQ
Ni et al. 2020b <sup>198</sup>	China	2551	GP	ANX DEP	GAD PHQ
Ning et al. 2020 <sup>199</sup>	China	612	GHCW	ANX DEP	SAS SDS
Nihmath et al. 2020 <sup>200</sup>	India	359	MS	ANX DEP	GAD CES
Noor et al. 2021 <sup>201</sup>	Malaysia	160	FHCW	ANX	HADS
Omar et al. 2021 <sup>202</sup>	Egypt	217	GP	ANX DEP	GAD PHQ
Pan et al. 2020a <sup>203</sup>	China	194	GHCW	ANX DEP	GAD PHQ
Pan et al. 2020b <sup>204</sup>	China	3035	GP	DEP	PHQ
Pan et al. 2020c <sup>205</sup>	China	423	GHCW	ANX	SAS
Pandey et al. 2020a <sup>206</sup>	Nepal	404	FHCW	ANX DEP	DASS

Pandey et al. 2020b <sup>207</sup>	India	82	MS	ANX DEP	GAD PHQ
Passos et al. 2020 <sup>208</sup>	Brazil	289	GP	ANX DEP	GAD PHQ
Paz et al. 2020 <sup>209</sup>	Ecuador	453	GP	ANX DEP	GAD PHQ
Perera et al. 2021 <sup>210</sup>	Sri Lanka	512	GHCW	ANX DEP	GAD CES
Perveen et al. 2020 <sup>211</sup>	Malaysia	716	GHCW	ANX DEP	DASS
Puccinelli et al. 2021 <sup>212</sup>	Brazil	57	GP	ANX DEP	GAD PHQ
Qi et al. 2020 <sup>213</sup>	China	801	FHCW	INS	PSQI
		505	GHCW	INS	PSQI
Qian et al. 2020 <sup>214</sup>	China	510	GP	ANX	GAD
Qiu et al. 2020 <sup>215</sup>	China	52730	GP	DIS	CPDI
Que et al 2020 <sup>216</sup>	China	2285	GHCW	ANX DEP INS	GAD PHQ ISI
Rakhmanov et al. 2020 <sup>217</sup>	Nigeria	69	GP	ANX DEP	SRQ
Reddy et al. 2020 <sup>218</sup>	India	891	GP	ANX DEP	DASS
Ren et al. 2020 <sup>219</sup>	China	6130	GP	ANX DEP	GAD PHQ
Ribeiro et al. 2021 <sup>220</sup>	Brazil	494	GP	ANX DEP	GAD CES
		1389	FHCW	ANX DEP INS	PHQ DSM ICD
Robles et al. 2020 <sup>221</sup>	Mexico	4420	GHCW	ANX DEP INS	PHQ DSM ICD
Rogowska et al. 2020a <sup>222</sup>	Poland	914	GS	ANX	GAD
Rogowska et al. 2020b <sup>223</sup>	Ukraine	1512	GS	ANX DEP	GAD PHQ
Rashad et al. 2020 <sup>224</sup>	Pakistan	431	GHCW	ANX	GAD
Saeed et al. 2021 <sup>225</sup>	Pakistan	278	GHCW	DEP	SRQ
Safa et al. 2021 <sup>226</sup>	Bangladesh	425	MS	ANX DEP	HADS
Sagaon-Teyssier et al. 2020 <sup>227</sup>	Mali	135	GHCW	ANX DEP INS	GAD PHQ ISI
Şahin et al. 2020 <sup>228</sup>	Turkey	939	GHCW	ANX DEP INS ANX DEP DIS	GAD PHQ ISI
Samaniego et al. 2020 <sup>229</sup>	Paraguay	126	GHCW	INS	GAD PHQ ISI
Sandesh et al. 2020 <sup>230</sup>	Pakistan	112	FHCW	ANX DEP	DASS
Schmitt et al. 2021 <sup>231</sup>	Brazil	3274	GP	DEP	PHQ
Schuch et al. 2020 <sup>232</sup>	Brazil	937	GP	DEP	BDI
Scotta & Miranda 2020 <sup>233</sup>	Argentina	584	GS	INS	ISI
Secosan et al. 020 <sup>234</sup>	Romania	126	FHCW	INS	ISI
Sediri et al. 2020 <sup>235</sup>	Tunisia	751	GP	ANX DEP	DASS
Serafim et al. 2020 <sup>236</sup>	Brazil	3000	GP	ANX DEP	DASS
		9725	FHCW	ANX DEP INS	GAD PHQ ISI
Shi et al. 2020 <sup>237</sup>	China	46954	GP	ANX DEP INS	GAD PHQ ISI
			GHCW	ANX	GAD
Shrestha et al. 2020 <sup>238</sup>	Nepal	101	GHCW	ANX	GAD
Shuwiekh et al. 2020 <sup>239</sup>	Egypt	255	GP	ANX DEP	GAD PHQ
Si et al. 2020 <sup>240</sup>	China	863		ANX DEP	
			GHCW	PTSD	DASS IES
Sil et al. 2020 <sup>241</sup>	India	41		DEP	PHQ
			FHCW		
Šljivo et al. 2020 <sup>242</sup>	Bosnia and Herzegovina	1201	GP	DEP	PHQ
Sögüt & Cangöl 2021 <sup>243</sup>	Turkey	972	MS	ANX	BAI
Song et al. 2020a <sup>244</sup>	China	14825	GHCW	DEP PTSD	CES PCL
Song et al. 2020b <sup>245</sup>	China	709	GP	ANX DEP INS	GAD CES ISI
Souilhi et al. 2020 <sup>246</sup>	Tunisia	48	GHCW	ANX DEP INS	GAD PHQ ISI
Souza et al. 2021 <sup>247</sup>	Brazil	3200	GP	ANX DEP	DASS
		118	FHCW	ANX DEP	GAD SDS
Stojanov et al. 2020 <sup>248</sup>	Serbia	83	GHCW	ANX DEP	GAD SDS



Su et al. 2020 <sup>249</sup>	China	403	GP	ANX	GAD
Sun et al. 2020a <sup>250</sup>	China	2091	GP	PTSD	PCL
Sun et al. 2020b <sup>251</sup>	China	170	FHCW	ANX DEP	DASS
Sun et al. 2020c <sup>252</sup>	China	472	GP	DEP	CES
Sun et al. 2020d <sup>253</sup>	China	536	GHCW	ANX DEP	GAD PHQ
Sun et al. 2020e <sup>254</sup>	China	474	MS	ANX	SAS
Sundarassen et al. 2020 <sup>255</sup>	Malaysia	983	GS	ANX	SAS
		291	FHCW	ANX DEP	ZAS CESDR
Sunjaya et al. 2021 <sup>256</sup>	Indonesia	253	GHCW	ANX DEP	ZAS CESDR
Suryavanshi et al. 2020 <sup>257</sup>	India	197	GHCW	ANX DEP	GAD PHQ
Tan et al. 2020 <sup>258</sup>	China	673	GP	ANX DEP PTSD INS	DASS IES ISI
Tasnim et al. 2020 <sup>259</sup>	Bangladesh	3331	GS	ANX DEP	DASS
Temsah et al. 2020 <sup>260</sup>	Saudi Arabia	582	GHCW	ANX	GAD
Teng et al. 2020 <sup>261</sup>	China	398	GHCW	ANX DEP	SAS PHQ
Teshome et al. 2020 <sup>262</sup>	Ethiopia	798	GHCW	ANX	GAD
Torrente et al. 2020 <sup>263</sup>	Argentina	10053	GP	ANX DEP	GAD PHQ
Torrente et al. 2021 <sup>264</sup>	Argentina	3617	GP	ANX DEP	GAD PHQ
Tran et al. 2020 <sup>265</sup>	Vietnam	7124	GP	ANX DEP	GAD PHQ
Tu et al. 2020 <sup>266</sup>	China	100	GHCW	ANX DEP INS	GAD PHQ ISI
Vala et al. 2020 <sup>267</sup>	India	250	MS	ANX DEP	DASS
Venugopal et al. 2020 <sup>268</sup>	India	453	GP	DIS	GHQ
Verma et al. 2020 <sup>269</sup>	India	354	GP	ANX DEP	DASS
Villela et al. 2021 <sup>270</sup>	Brazil	295	GHCW	ANX DEP	HADS
Vitorino et al. 2021 <sup>271</sup>	Brazil	1156	GP	ANX DEP	GAD PHQ
Vujcic et al. 2020 <sup>272</sup>	Serbia	1057	GP	ANX DEP	DASS
Wang & Zhang 2020 <sup>273</sup>	China	1172	GS	ANX	SAS
Wang & Zhao 2020 <sup>274</sup>	China	3611	GS	ANX	SAS
Wang et al. 2020a <sup>275</sup>	China	600	GP	ANX DEP	SAS SDS
Wang et al. 2020b <sup>276</sup>	China	123	GHCW	ANX DEP INS	SAS SDS PSQI
Wang et al. 2020c <sup>277</sup>	China	1045	GHCW	ANX DEP INS	HADS ISI
Wang et al. 2020d <sup>278</sup>	China	6437	GP	INS	PSQI
Wang et al. 2020e <sup>279</sup>	China	274	FHCW	INS	PSQI
	China	179	FHCW	ANX DEP INS	GAD PHQ ISI
Wang et al. 2020f <sup>280</sup>		16066	GP	ANX DEP INS	GAD PHQ ISI
		661	FHCW	ANX DEP INS	HADS PSQI
Wang et al. 2020g <sup>281</sup>	China	853	GHCW	ANX DEP INS	HADS PSQI
		487	GP	ANX DEP INS	HADS PSQI
Wang et al. 2020h <sup>282</sup>	China	202	FHCW	PTSD	PCL
Wang et al. 2020i <sup>283</sup>	China	2540	GP	ANX DEP	GAD PHQ
		742	FHCW	ANX DEP PTSD	GAD PHQ IES
Wang et al. 2020j <sup>284</sup>	China	1155	GHCW	ANX DEP PTSD	GAD PHQ IES
Wang et al. 2020k <sup>285</sup>	China	1599	GP	DIS	K6
Wang et al. 2020l <sup>286</sup>	China	3092	GS	ANX INS	GAD SRSS
		206	FHCW	ANX DEP INS	GAD PHQ ISI
Wankowicz et al. 2020 <sup>287</sup>	Poland	235	GHCW	ANX DEP INS	GAD PHQ ISI
Werneck et al. 2020 <sup>288</sup>	Brazil	43995	GP	ANX	NA

Wilson et al. 2020 <sup>289</sup>	India	350	FHCW	ANX DEP	GAD PHQ
Wong & Alias 2020 <sup>290</sup>	Malaysia	581	GP	ANX	STAI
Wu et al. 2020a <sup>291</sup>	China	24789	GP	ANX DEP	HADS
Wu et al. 2020b <sup>292</sup>	China	304	GHCW	DIS	K6
Wu et al. 2020c <sup>293</sup>	China	330	GP	PTSD	PCL
Xiang et al. 2020 <sup>294</sup>	China	1421	GS	ANX	SAS
Xiao et al. 2020a <sup>295</sup>	China	958	GHCW	ANX DEP	HADS
Xiao et al. 2020b <sup>296</sup>	China	933	MS	ANX DEP	GAD PHQ
Xing et al. 2020 <sup>297</sup>	China	309	FHCW	ANX DEP	SAS SDS
Xiong et al. 2020 <sup>298</sup>	China	231	GHCW	ANX DEP	GAD PHQ
Xu et al. 2020 <sup>299</sup>	China	8817	GHCW	ANX DEP	GAD PHQ
Yanez et al. 2020 <sup>300</sup>	Peru	303	GHCW	ANX DIS	GAD K6
Yang et al. 2020a <sup>301</sup>	China	449	GHCW	ANX	SAS
Yang et al. 2020b <sup>302</sup>	China	2410	GP	INS	PSQI
Yıldırım et al. 2021 <sup>303</sup>	Turkey	245	FHCW	ANX DEP	DASS
Yilmaz et al. 2020 <sup>304</sup>	Turkey	240	GHCW	ANX	BAI
Yin et al. 2020a <sup>305</sup>	China	8151	GP	ANX DEP	GAD PHQ
Yin et al. 2020b <sup>306</sup>	China	371	GHCW	PTSD	PCL
Ying et al. 2020 <sup>307</sup>	China	845	GP	ANX DEP	GAD PHQ
Yitayih et al. 2020 <sup>308</sup>	Ethiopia	249	GHCW	INS	ISI
Youssef et al. 2020 <sup>309</sup>	Egypt	540	GP	ANX DEP INS	DASS ISI
Yu et al. 2020a <sup>310</sup>	China	1588	GP	DIS	K6
Yu et al. 2020b <sup>311</sup>	China	1138	GP	INS	ISI
Yu et al. 2020c <sup>312</sup>	China	290	FHCW	ANX	GAD
Yu et al. 2021d <sup>313</sup>	China	1681	GS	DEP	CES
Zhan et al. 2020a <sup>314</sup>	China	2667	FHCW	ANX DEP	GAD PHQ
Zhan et al. 2020b <sup>315</sup>	China	1794	FHCW	INS	AIS
Zhang et al. 2020a <sup>316</sup>	China	1563	GHCW	ANX DEP INS PTSD	GAD PHQ ISI IES
Zhang et al. 2020b <sup>317</sup>	China	98	GP	ANX DEP	GAD PHQ
Zhang et al. 2020c <sup>318</sup>	China	369	GP	DIS	K6
Zhang et al. 2020d <sup>319</sup>	China	927	GHCW	ANX DEP INS	GAD PHQ ISI
Zhang and Ma 2020 <sup>320</sup>	China	1255	GP	ANX DEP INS	GAD PHQ ISI
Zhang et al. 2020f <sup>321</sup>	China	263	GP	PTSD	CIES
Zhang et al. 2020g <sup>322</sup>	China	966	FHCW	ANX DEP	GAD PHQ
Zhang et al. 2020h <sup>323</sup>	China	421	FHCW	PTSD	PCL
Zhang et al. 2020i <sup>324</sup>	China	642	GHCW	ANX DEP INS PTSD	HADS ISI
Zhang et al. 2020j <sup>325</sup>	China	1342	GP	DEP	PHQ
Zhang et al. 2020k <sup>326</sup>	China	123768	GP	ANX DEP	SAS SDS
Zhang et al. 2020l <sup>327</sup>	China	2640	GP	ANX DEP	SAS SDS
Zhang et al. 2020m <sup>328</sup>	China	66	GS	ANX DEP INS	DASS PSQI
Zhang et al. 2020n <sup>329</sup>	Peru	671	GP	DIS	CPDI
Zhang et al. 2020o <sup>330</sup>	Brazil	482	GP	ANX DEP	GAD PHQ
Zhang et al. 2020p <sup>331</sup>	Brazil	638	GP	DIS	CPDI
Zhang et al. 2020q <sup>332</sup>	Bolivia	240	GHCW	ANX DIS	GAD K6
Zhao et al. 2020a <sup>333</sup>	China	972	FHCW	ANX DEP INS	GAD PHQ ISI
Zhao et al. 2020b <sup>334</sup>	China	1501	GP	ANX DEP	GAD PHQ
Zhao et al. 2020c <sup>335</sup>	China	1630	GP	ANX INS	SAS PSQI

Zhao et al. 2020d <sup>334</sup>	China	515	GS	ANX DEP	SAS SDS
Zhou et al. 2020a <sup>335</sup>	China	1931	FHCW	INS	PSQI
Zhou et al. 2020b <sup>336</sup>	China	606	FHCW	ANX DEP INS	GAD PHQ ISI
		1099	GP	ANX DEP INS	GAD PHQ ISI
Zhu et al. 2020a <sup>337</sup>	China	5281	GP	ANX DEP	GAD PHQ
Zhu et al. 2020b <sup>338</sup>	China	453	GHCW	ANX	SAS
Zhu et al. 2020c <sup>339</sup>	China	165	FHCW	ANX DEP	SAS SDS
Zhu et al. 2020d <sup>340</sup>	China	320	FHCW	ANX DEP	GAD PHQ
		538	GHCW	ANX DEP	GAD PHQ
Zubayer et al. 2020 <sup>341</sup>	Bangladesh	1146	GP	ANX DEP	DASS

Note: ANX= Anxiety, DEP= DEP, INS= INS, DIS=Distress, PTSD=  
FHCW=Frontline Healthcare Worker, GHCW = General Healthcare Worker, GP = GP

1 Table S2 Instrument of mental health symptoms used in the individual studies in the  
 2 meta-analysis  
 3

<b>Outcome</b>	<b>Instrument used</b>	<b>Full name of instrument</b>
<b>Anxiety</b>	Anxiety Scale	The covid-19 Anxiety Scale
	BAI	Beck Anxiety Inventory
	BSI-18/53	Brief Symptom Inventory – 18/53 items
	DASS-21	DEP Anxiety Stress Scale -21 items
	DSM-5	The Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition
	GAD-2/7	Generalized Anxiety Disorder- 2/7item
	GADS	Goldberg DEP and anxiety scale
	GAI	The Geriatric Anxiety Inventory
	HADS	Hospital Anxiety and DEP Scale
	HADS-A	Hospital Anxiety and DEP Scale - Anxiety
	HAI	Health Anxiety Inventory
	HAMA	Hamilton Anxiety Scale
	HARS	The Hamilton Anxiety Rating Scale
	HSCL	The Hopkins Symptom Checklist
	ICD-11 PHC	International Classification of Diseases - 11 Primary Health Care
	MINI	The Mini-International Neuropsychiatric Interview
	SAS (Zung's SRA/ZAS)	Zung's self-rating anxiety scale
	SATI	State - trait anxiety inventory
	SATI-6	State - trait anxiety inventory – 6 items
	SRQ-20	Self-Reporting Questionnaire – 20 items
<b>DEP</b>	BDI	Beck DEP Index
	BDI-II	Beck DEP Inventory—II
	BSI-18	Brief Symptom Inventory – 18 items
	BSI-53	Brief Symptom Inventory – 53 items
	CES-D	The Center for Epidemiological Studies-DEP
	CES-D- 9/10/20	The Center for Epidemiological Studies-DEP – 9 items/10 items/20 items
	CESDR-10	The Center for Epidemiologic Studies Short DEP Scale – 10 items
	CES-R-10	The Center for Epidemiologic Studies DEP Scale Revised – 10 items
	DASS-21	DEP Anxiety Stress Scale – 21 items
	DSM-5	The Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition
	GADS	Goldberg DEP and anxiety scale
	GDS	Geriatric DEP Scale
	GHQ-28	The General Health Questionnaire – 28 <i>items</i>

	HADS	Hospital Anxiety and DEP Scale
	HADS-D	Hospital Anxiety and DEP Scale - DEP
	HAMD	The Hamilton Rating Scale for <i>DEP</i>
	MINI	The Mini-International Neuropsychiatric Interview
	NSS	The Nursing Stress Scale
	PHQ-2/8/9	Patient Health Questionnaire – 2/8/9items
	PROMIS DEP	Patient-Reported Outcomes Measurement Information System - DEP
	SDS	Self-rating DEP scale
	SRQ-20	Self-Reporting Questionnaire – 20 items
	SRQ-21	Self-Reporting Questionnaire – 21 items
	WHO-5	The World Health Organisation- Five Well-Being Index
<b>Distress</b>	CPDI	COVID-19 Peritraumatic Distress Index
	GHQ-12	General Health Questionnaire – 12 items
	GHQ-28	General Health Questionnaire – 28 items
	GSI	Overall Psychological Distress
	HEI	Huaxi emotional-distress index
	IES-R	IMPACT OF EVENTS SCALE-Revised
	K6	K-6 distress scale
	PSS-10	The Perceived Stress Scale – 10 items
	SRQ-20	Self-Reporting Questionnaire – 20 items
<b>INS</b>	AIS	Athens INS Scale
	DSM	Diagnostic and Statistical Manual of Mental Disorders
	DSM-5	Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition
	GHQ-12	General Health Questionnaire – 12 items
	ISI/ISI-7	The INS Severity Index / -7items
	PSQI	The Pittsburgh Sleep Quality Index
	SRSS	Self-rating sleeping scaling
<b>PTSD</b>	CIES	COVID Isolation Eating Scale
	IES-6	Impact of Event Scale – 6 items
	IES-R	Impact of Event Scale- Revised
	PCL-5	PTSD Checklist for DSM-5
	PCL-C	PTSD Checklist – Civilian Version
	PC-PTSD	Primary Care PTSD Screen for DSM-5

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