

**S1 Table.** Solar radiation and incidence of melanoma by district in South Korea, 2004 to 2017

	Annual average solar radiation (MJ/m <sup>2</sup> )  [14]	Incidence			Incidence per 100,000/yr		
		Anatomic sites <sup>a)</sup>			Anatomic sites		
		Low sun- exposed	High sun- exposed	Total <sup>b)</sup>	Low sun- exposed	High sun- exposed	Total
Total	18,816	5,802	25,591	2.7	0.8	3.7	
Seoul	11	3,683	829	4,642	2.6	0.6	3.3
Busan	12	1,109	338	1,517	2.2	0.7	3.1
Daegu	12	881	264	1,186	2.5	0.8	3.4
Incheon	11	907	225	1,175	2.4	0.6	3.1
Gwangju	12	510	159	712	2.5	0.8	3.5
Daejeon	12	672	188	896	3.2	0.9	4.3
Ulsan <sup>c)</sup>	No data	300	174	488	1.9	1.1	3.1
Sejong <sup>c)</sup>	No data	48	14	64	4.7	1.4	6.2
Gyeonggi-do	18.6	3,927	1,079	5,155	2.4	0.7	3.2
Gangwon-do	12.4	592	162	787	2.8	0.8	3.7
Chungcheongbuk-do	16.6	629	257	931	2.9	1.2	4.3
Chungcheongnam-do	20.5	880	284	1,227	3.1	1	4.3
Jeollabuk-do	17.2	823	365	1,238	3.1	1.4	4.7
Jeollanam-do	21.2	1,043	390	1,541	3.9	1.5	5.7
Gyeongsangbuk-do	17.4	1,422	537	2,030	3.8	1.4	5.4
Gyeongsangnam-do	18.4	1,150	454	1,665	2.5	1	3.7
Jeju-do	16	225	80	319	2.8	1	3.9
Undirected		15	3	18			

<sup>a)</sup>Anatomic sites were divided into low sun-exposed sites (C43.5-43.9, D03.5-D03.9 by ICD-10), high sun-exposed sites (C43.0-43.4, D03.0-D03.4 by ICD-10), or together (Total), <sup>b)</sup>Total data means low sun-exposed, high sun-exposed, and both data, <sup>c)</sup>No data was available for these areas.