### Appendix D: Demographics and disease characteristics

| Reference                  | Mean Age (years) | Gender (% women) | Racial background                      | Education | Disease duration (years) | SDI     | SLEDAI     |
|----------------------------|------------------|------------------|----------------------------------------|-----------|-------------------------|---------|------------|
| Alarcon et al., 2002       | Mean 35.8 (SD 13.3) | 89%              | Caucasian (28%), Hispanic (31%), African American (41%) | Mean 12.2 years (SD 3.5) | Mean 1.45 (SD 1.37) | Mean 0.49 (SD 0.91) | NR         |
| Calderon et al., 2017      | Median 35.0 (IQR 26.5-43.5) | 100%             | NR                                     | Median 14 years (IQR 12-16) | Median 2.67 | Median 0 (IQR 0-1) | Median 6 (IQR 4-12) |
| Tam et al., 2008           | Mean 42 (SD 12)   | 96%              | Chinese (100%)                         | Mean 10 years (SD 4) | Median 9.7 | Median 1 (IQR 1-2) | 65% had SLEDAI of 0; 35% patients had median SLEDAI 4 (IQR 2-4) |
| Williams et al., 2011      | Mean 16.4 (SD 2.5) | 73%              | Caucasian (7%), Hispanic (68%), African American (12%), Asian (10%), other (3%) | NR | Mean 3.6 (SD 2.4) | NR | NR         |
| Appenzeller et al., 2009   | Mean 35.1 (SD 11.0) | 94.6%            | NR                                     | 4 years (12.0%), <8 years (37.1%), 8 years (29.9%), 11 years (16.2%), | Mean 5.38 (SD 4.04) | Mean 1 (SD 1.2) | Mean 11.5 (SD 7.9) |
| Study                          | Mean Age (SD) | Mean % | Highest Education                | Mean Age (SD) | Mean % | Highest Education                                      | Mean Age (SD) | Mean % | Highest Education                                      |
|-------------------------------|---------------|--------|----------------------------------|---------------|--------|--------------------------------------------------------|---------------|--------|--------------------------------------------------------|
| Frittoli et al., 2016         | 14.5 (2.84)   | 92.68  | Elementary education              | 2.4 (2.63)    | NR     | Only with reference to 11 patients with active disease | 7.27 (2.62)   | NR     | SLEDAI >3                                              |
| Panopalis et al., 2007        | 45.9* (2.84)  | 91.5%  | Caucasian (69.07%)*              | 13.3*         | NR     |                                                         |               |        |                                                        |
| Plantinga et al., 2018        | 47.9 (12.6)   | 90%    | Caucasian (20%), African American (80%) | <16 years: (53.3%), 16 years (46.7%) | NR     |                                                         | 17.7 (10.9)   | NR     |                                                        |
| Poole et al., 2007            | 43.0 (11.8)   | 100%   | <12 years: (6.6%), 12 years (46.7%), >12 years (46.7%) | 8.0 (4.6)     | NR     | Mean 7.9 (SD 6.5)                                      |               |        |                                                        |
| Utset et al., 2015            | 18-34 (35%), 35-49 (31%), 50-64 (31%), 65+ (2%) | 95%    | Caucasian (36%), African American (45%), Hispanic (11%), Asian/Pacific Island (7%), Other (7%) | Median 9 (IQR 1-51) | Median 1 (IQR 0-13) |                                           |               |        |                                                        |
| Study                        | Mean (SD)       | Percentage | Ethnicity                        | Educational Level               | Mean (SD)       | Mean (SD)       | Mean (SD)       |
|------------------------------|-----------------|------------|----------------------------------|---------------------------------|-----------------|-----------------|-----------------|
| Zelko et al., 2012 33        | 14.8 (2.3)      | 85%        | Caucasian (30%), African American (45%), Hispanic (17.5%), Asian and other (7.5%) | elementary school-gr 4 to 6 (20%), middle school-gr 7 to 8 (17.5%), high school-gr 9-12 (62.5%) | 1.98 (1.93) | 0.4 (0.8) | 4.9 (4.4) |
| Katz et al., 2008 34         | 47.2 (13.1)     | 91%        | Caucasian (69.5%)                | High school graduate or less (20.4%) | Mean 12.7 (SD 8.6) | NR | NR |
| Utset et al., 2006 35        | 41.0 (11.5)     | 92%        | Caucasian (26%), African American (60%), Other (14%) | Mean 13.8 years (SD 2.5) | Mean 8.6 (SD 8.3) | Mean 2.32 (SD 2.6) | NR |
| Kanapathy et al., 2019 36    | 39.9* (         | 92.4%      | Malay (69.9%)*, Chinese (27.4%)*, Indian (2.7%)* | Lower level (57.25%)*, higher level (42.75%)* | Mean 10.4* | Mean 0.22* | Active disease with score ≥1 (23.6%)*, remission (76.4%)* |

SD = standard deviation; * = averaged from group reporting to give a total SLE sample average; SDI = Systemic Lupus International Collaborating Clinics/American College of Rheumatology (SLICC/ACR) damage index; SLEDAI = Systemic Lupus Erythematosus Disease Activity Index