## Supplementary Table 1  Quality assessment of included studies based on the Newcastle–Ottawa scale for assessing the quality of cohort studies

| Study       | Selection (score) | Comparability (score) | Exposure (score) | Total Score |
|-------------|-------------------|-----------------------|-----------------|-------------|
|             | Representativeness of the exposed cohort | Selection of the non-exposed cohort | Ascertainment of exposure | Outcome of interest was not present at start of study | Based on the design or analysis<sup>a</sup> | Assessment of outcome | Follow-up long enough for outcomes to occur | Adequacy of follow-up of cohorts |             |
| Zhao et al<sup>21</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 6 |
| Feng et al<sup>22</sup> | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | 8 |
| Qiao et al<sup>23</sup> | 1 | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 5 |
| Dang et al<sup>24</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 6 |
| Ye et al<sup>25</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 6 |
| Ma et al<sup>26</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 7 |
| Li et al<sup>27</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 7 |
| Wang et al<sup>28</sup> | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | 8 |
| Li et al<sup>29</sup> | 1 | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 6 |
| Tang et al<sup>30</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 7 |
| Ye et al<sup>31</sup> | 1 | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 5 |
| Fu et al<sup>32</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 7 |
| Chen et al<sup>33</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 7 |
| Lu et al<sup>34</sup> | 1 | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 5 |
| Zhang et al<sup>35</sup> | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 8 |
| Zhou et al<sup>36</sup> | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 9 |
| Lu et al<sup>6</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 7 |
| Ma et al<sup>37</sup> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 6 |

<sup>a</sup>When there was no statistical significance in the response rate between case and control groups by using a chi-squared test (P > 0.05), one point was awarded.

<sup>b</sup>Total score was calculated by adding up the points awarded in each item.