## Indications that underpinning research was stronger (likely to have exceeded the 2\* quality threshold) or weaker (likely to have been closer to this threshold) in REF2014 case studies

Type of indicator	Indications of stronger research likely to have exceeded 2* threshold	Indications of weaker underpinning research, closer to 2* quality threshold
Publication quality	<ul> <li>Peer-reviewed in journals that are well-regarded within the discipline, even if journals are not highly ranked</li> <li>Monographs published by respected academic publishers</li> <li>Reviews in broadsheet newspapers, specialist magazines and awards (or nominations), coupled with translation into multiple languages (Main Panel D)</li> <li>Research met the inclusion criteria for a systematic review (Main Panels A-C)</li> </ul>	<ul> <li>Absence of peer-reviewed work or "in press" with no DOI (Main Panels A-C)</li> <li>Publications only in magazines targeted at practitioners e.g. trade magazines</li> <li>Underpinning research consists only of narrative literature review or other pieces with no original research</li> <li>Publication in apparently "predatory" journals with limited, poor or no peer review</li> <li>Reliance on conference papers or lectures in disciplines where this is not widely respected</li> <li>Books published by non-academic publishers</li> </ul>
Funding	Peer-reviewed funding from sources considered prestigious in the Unit of Assessment the case study was submitted to (even if small total amounts)	<ul> <li>Less prestigious, non-peer-reviewed funding sources</li> <li>Non-peer reviewed reports submitted as underpinning research</li> </ul>
Narrative description of underpinning research quality	<ul> <li>Strong narrative justification of originality, significance and rigour</li> <li>Awards for research and/or researchers showing academic recognition</li> </ul>	Work described in ways that suggests no original or significant knowledge was generated e.g. the University's role in a project was to generate impact from research done by other partners
Contribution to underpinning research		<ul> <li>Researcher is far down authorship lists with no explanation of the significance of their role in the work</li> <li>Research included that is unrelated to the impact in the case study</li> <li>Work based on a funded network where it is not clear if the research emerged from network members or the submitting institution</li> </ul>