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| **Year** | **Studies, n (%)** | **Studies (S#)** |
| 2022 | 2 (10%) | S13, S2 |
| 2023 | 15 (75%) | S1, S11, S12, S14, S15, S16, S17, S18, S19, S20, S3, S5, S6, S8, S9 |
| 2024 | 3 (15%) | S10, S4, S7 |

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| **Study Design** | **Studies, n (%)** | **Studies (S#)** |
| Comparative studies | 1 (5%) | S1, S12, S13, S14, S15, S17, S18, S5, S9 |
| Cross-sectional studies | 9 (45%) | S11, S6, S7 |
| Evaluation | 1 (5%) | S19, S20 |
| Experimental studies | 2 (10%) | S2 |
| Exploratory studies | 3 (15%) | S3 |
| Mixed methods | 1 (5%) | S4 |
| Other | 1 (5%) | S8 |
| Qualitative studies | 1 (5%) | S10 |
| Quantitative studies | 1 (5%) | S16 |

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| **Dental Discipline** | **Studies, n (%)** | **Studies (S#)** |
| Dental Education | 7 (35%) | S13, S14, S15, S16, S17, S18, S8, S9 |
| Dental Hygiene | 1 (5%) | S1, S2, S3, S4, S5, S6, S7 |
| Dental Radiology | 2 (10%) | S10, S20 |
| General Dentistry | 8 (40%) | S11 |
| Prosthodontics | 1 (5%) | S12 |
| Restorative Dentistry | 1 (5%) | S19 |

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| **Row Labels** | **Count of Study # (e.g., S1,S2,S3,etc)** |
| Dental Education | 7 |
| Dental Hygiene | 1 |
| Dental Radiology | 2 |
| General Dentistry | 8 |
| Prosthodontics | 1 |
| Restorative Dentistry | 1 |

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| **Dental Education Setting** | **Studies, n (%)** | **Studies (S#)** |
| Denatl Schools | 14 (70%) | S10, S11, S12, S15, S16, S19, S2, S20, S3, S4, S5, S6, S8, S9 |
| Dental institutions | 6 (30%) | S1, S13, S14, S17, S18, S7 |

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| **Row Labels** | **Count of Study # (e.g., S1,S2,S3,etc)** |
| **Educators** | **2** |
| 28 Participants | 1 |
| Various MCQ questions generated by AI | 1 |
| **Educators, Students** | **1** |
| 134 Participants | 1 |
| **Leadership in Dental Education** | **1** |
| 5 main question types with 19 subtypes | 1 |
| **Students** | **10** |
| 128 students | 1 |
| 143 questions | 1 |
| 1461 multiple-choice questions | 1 |
| 200 students | 1 |
| 311 multiple-choice questions | 1 |
| 4596 Participants | 1 |
| 50 items, covering 50 learning outcomes | 1 |
| 74 students | 1 |
| 753 Participants | 1 |
| 77 students | 1 |
| **Students, Educators** | **6** |
| 200 dentists | 1 |
| 22 students, 3 teachers | 1 |
| 281 participants | 1 |
| 334 Participants | 1 |
| 73 students | 1 |
| Various course materials, essays, and textbooks | 1 |

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| **Subject Type, Sample Size** | **Studies, n (%)** | **Studies (S#)** |
| **Educators** | **2 (10%)** | **[S1, S5, S6, S13, S17, S18, S19]** |
| 28 Participants | 1 |
| Various MCQ questions generated by AI | 1 |
| **Educators, Students** | **7** | **[S1,S5, S6, S13, S17, S18, S19]** |
| 134 Participants | 1 |
| 200 dentists | 1 |
| 22 students, 3 teachers | 1 |
| 281 participants | 1 |
| 334 Participants | 1 |
| 73 students | 1 |
| Various course materials, essays, and textbooks | 1 |
| **Leadership in Dental Education** | **1** | **[S2]** |
| 5 main question types with 19 subtypes | 1 |
| **Students** | **10 (50%)** | **[S4, S7, S8, S9, S10, S12, S14, S15, S16]** |
| 128 students | 1 |
| 143 questions | 1 |
| 1461 multiple-choice questions | 1 |
| 200 students | 1 |
| 311 multiple-choice questions | 1 |
| 4596 Participants | 1 |
| 50 items, covering 50 learning outcomes | 1 |
| 74 students | 1 |
| 753 Participants | 1 |
| 77 students | 1 |

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| **Data Collection Method** | **Studies, n (%)** | **Studies (S#)** |
| Collaboration Assessment | 4 (20%) | [S13, S2, S5, S9] |
| Cross-sectional survey | 2 (10%) | [S1, S8] |
| Ethics Survey | 4 (20%) | [S0, S17, S19,S7] |
| Innovation Readiness Survey | 6 (30%) | [S11, S15, S18, S20, S3, S6] |
| Skill Gap Analysis | 4 (20%) | [S12, S14, S16, S4] |

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| **Outcome Theme** | **Studies, n (%)** | **Studies (S#)** |
| AI Development and Innovation in dental education | 5 (25%) | [S11, S19, S2, S3, S6] |
| Assessment of AI in Dental Education | 8 (40%) | [S10, S13, S15, S16, S20, S4, S7, S8] |
| Students Perceptions and Attitudes Towards AI | 7 (35%) | [S1, S12, S14, S17, S18, S5, S9] |