

Manual
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LINK

V9 update:

*Add a new button in Summary tab to synchronize results between Results and Summary tabs

V8 update:

*Added judgement-level comment in the summary table

*Removed "Double click on this column..." label in the comments after enter

*Corrected spelling mistakes

| Project ID | Year | Activity | Phase | Start Date | End Date | Progress (%) | Status | Comments | Responsible | Priority | Impact | Cost (€) | Benefit (€) | Risk (€) | Other |
|------------|------|-----------|---------------|------------|------------|--------------|-------------|---|-------------|----------|----------|----------|-------------|----------|--------|
| W2011 | 2011 | W2011-001 | W2011-001-001 | 2011-01-01 | 2011-03-31 | 100% | Completed | Project completed successfully. | John Doe | High | Positive | 100000 | 200000 | 50000 | None |
| W2012 | 2012 | W2012-002 | W2012-002-001 | 2012-01-01 | 2012-06-30 | 85% | In Progress | Minor delays in procurement. | Jane Smith | Medium | Neutral | 150000 | 300000 | 75000 | Low |
| W2013 | 2013 | W2013-003 | W2013-003-001 | 2013-01-01 | 2013-12-31 | 20% | On Hold | Project paused due to budget constraints. | Mike Brown | Low | Negative | 200000 | 400000 | 100000 | High |
| W2014 | 2014 | W2014-004 | W2014-004-001 | 2014-01-01 | 2014-09-30 | 90% | In Progress | Good progress, on track. | Sarah Green | Medium | Positive | 120000 | 240000 | 60000 | Low |
| W2015 | 2015 | W2015-005 | W2015-005-001 | 2015-01-01 | 2015-11-30 | 50% | In Progress | Significant challenges in implementation. | David White | High | Negative | 180000 | 360000 | 90000 | Medium |
| W2016 | 2016 | W2016-006 | W2016-006-001 | 2016-01-01 | 2016-12-31 | 10% | On Hold | Project not started. | Emily Black | Low | Neutral | 90000 | 180000 | 45000 | Low |

Summary of Project Performance

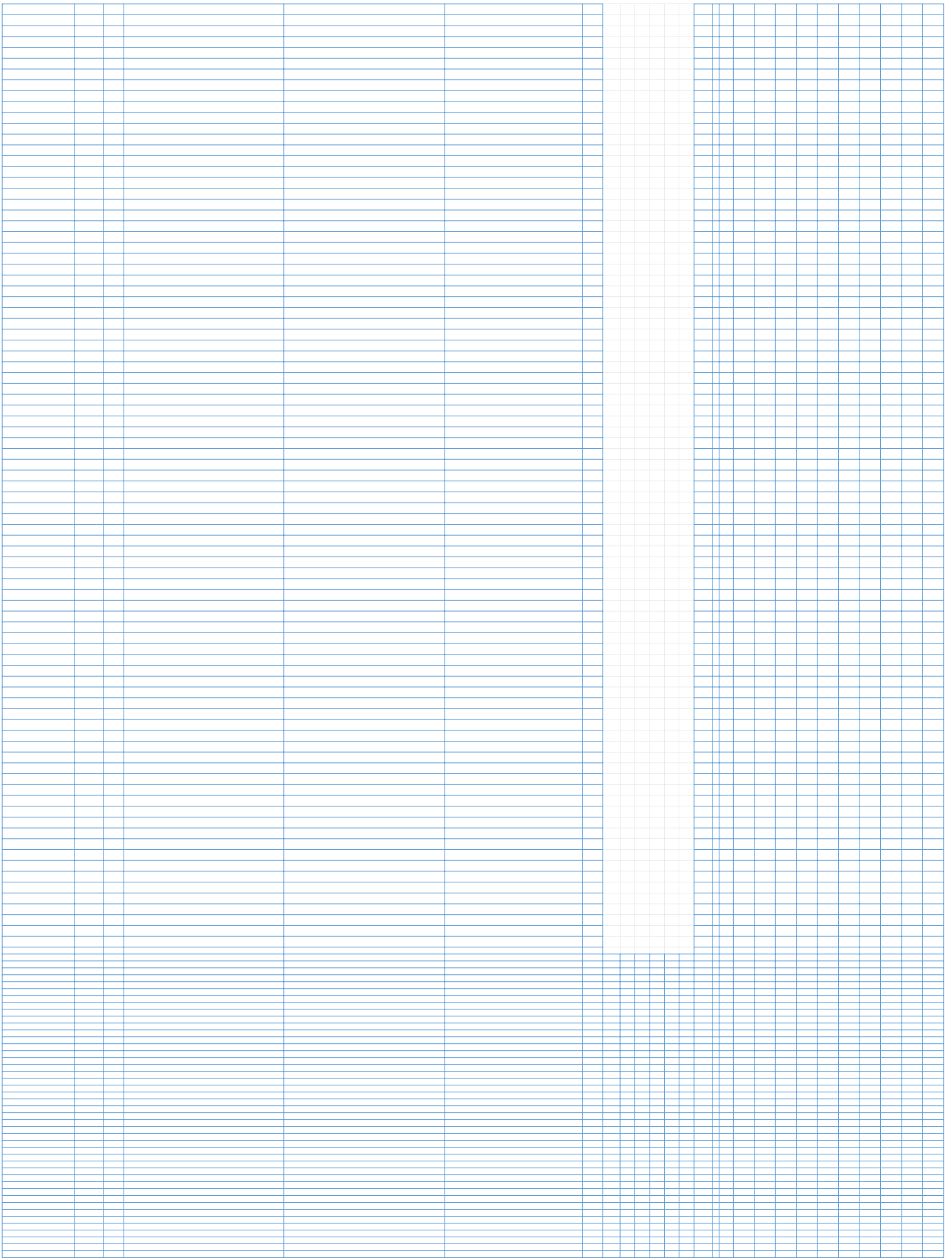
| Category | Count | Percentage |
|-------------|-------|------------|
| Completed | 1 | 10% |
| In Progress | 4 | 40% |
| On Hold | 2 | 20% |
| Not Started | 3 | 30% |

Financial Summary

| Item | Value (€) |
|---------------|-----------|
| Total Budget | 1,000,000 |
| Total Spent | 450,000 |
| Total Benefit | 1,200,000 |
| Total Risk | 300,000 |

Percentage Breakdown Chart

Legend: Green = In Progress, Yellow = Completed, Red = On Hold, Blue = Not Started



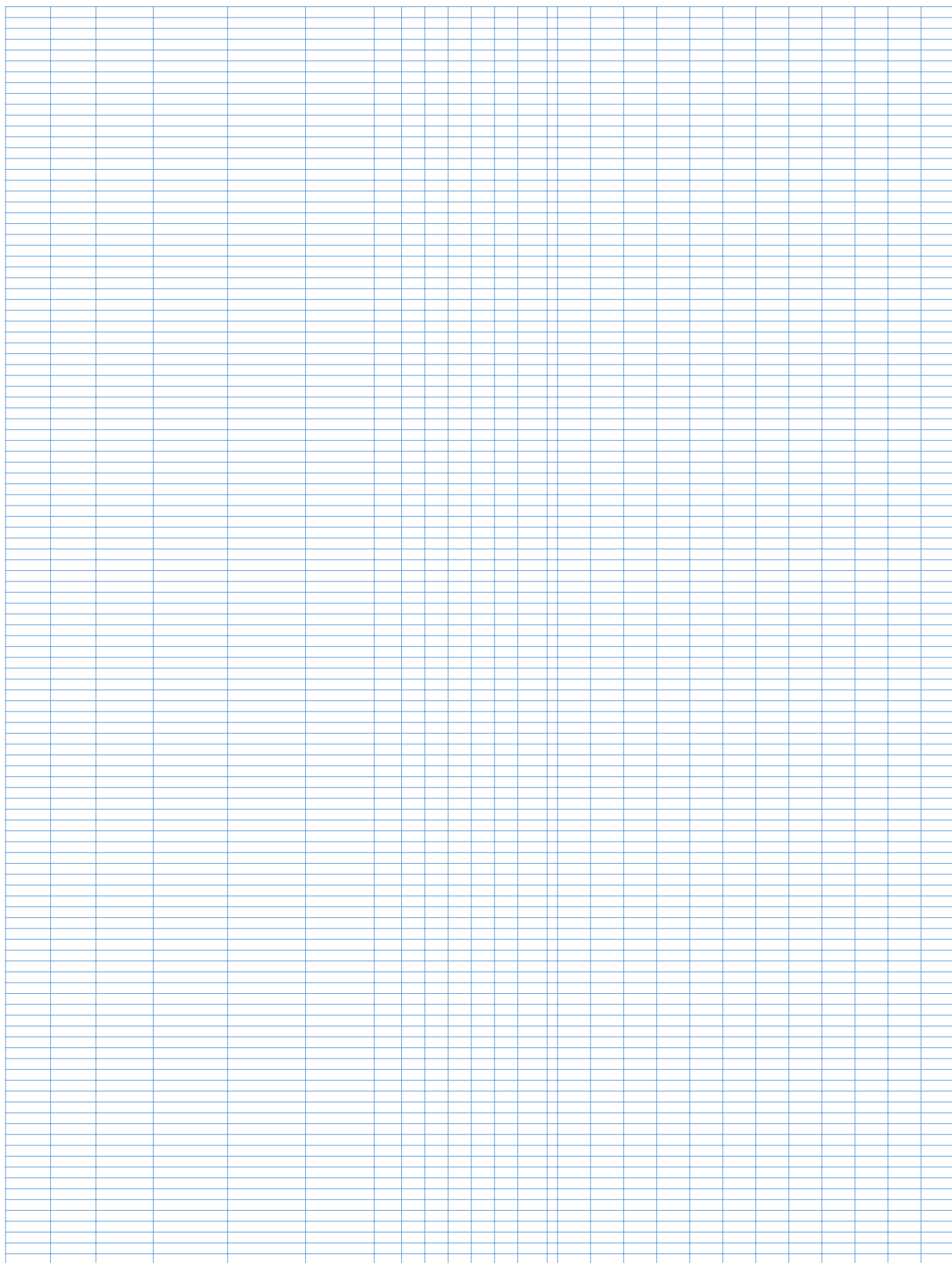


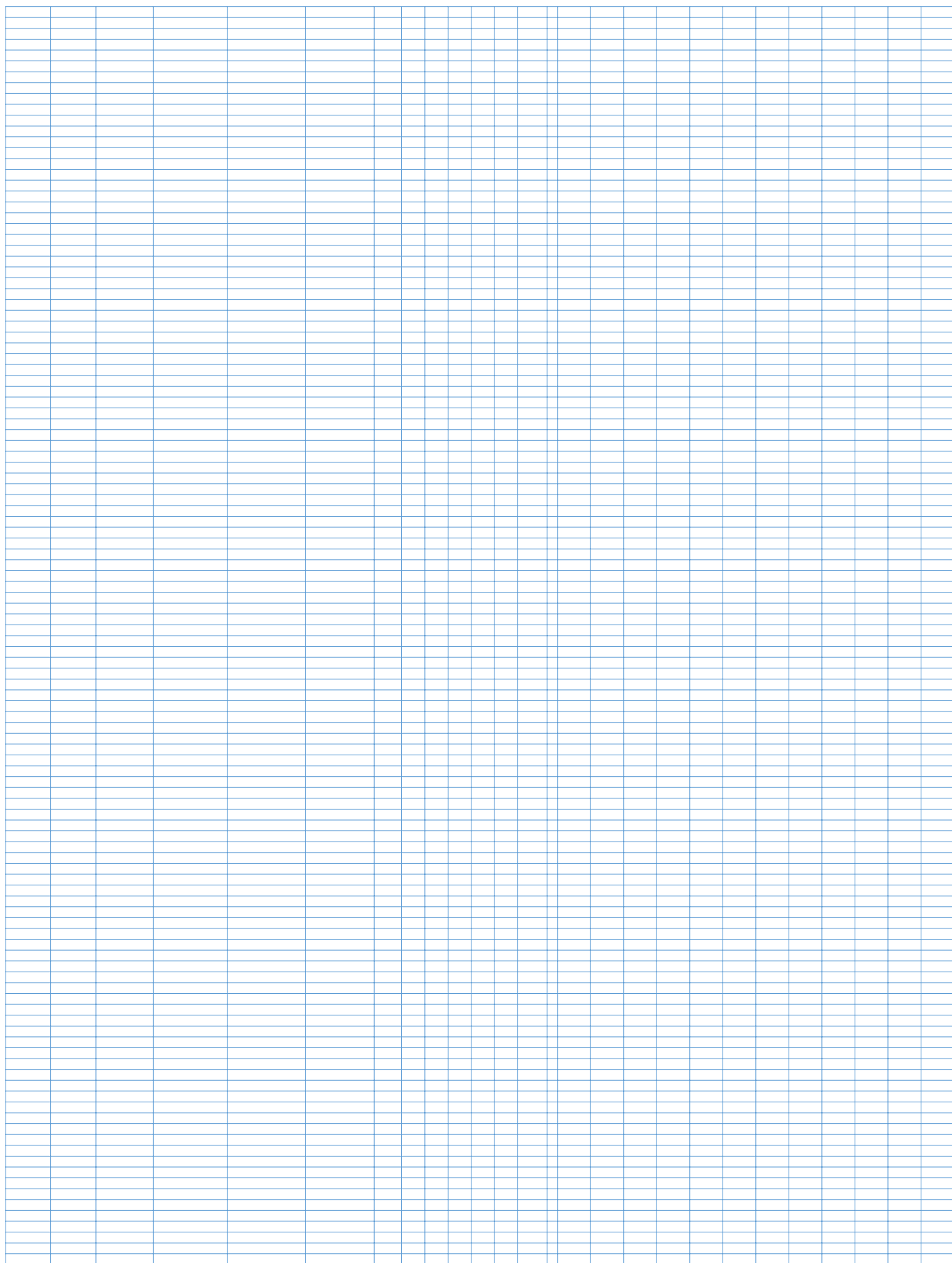


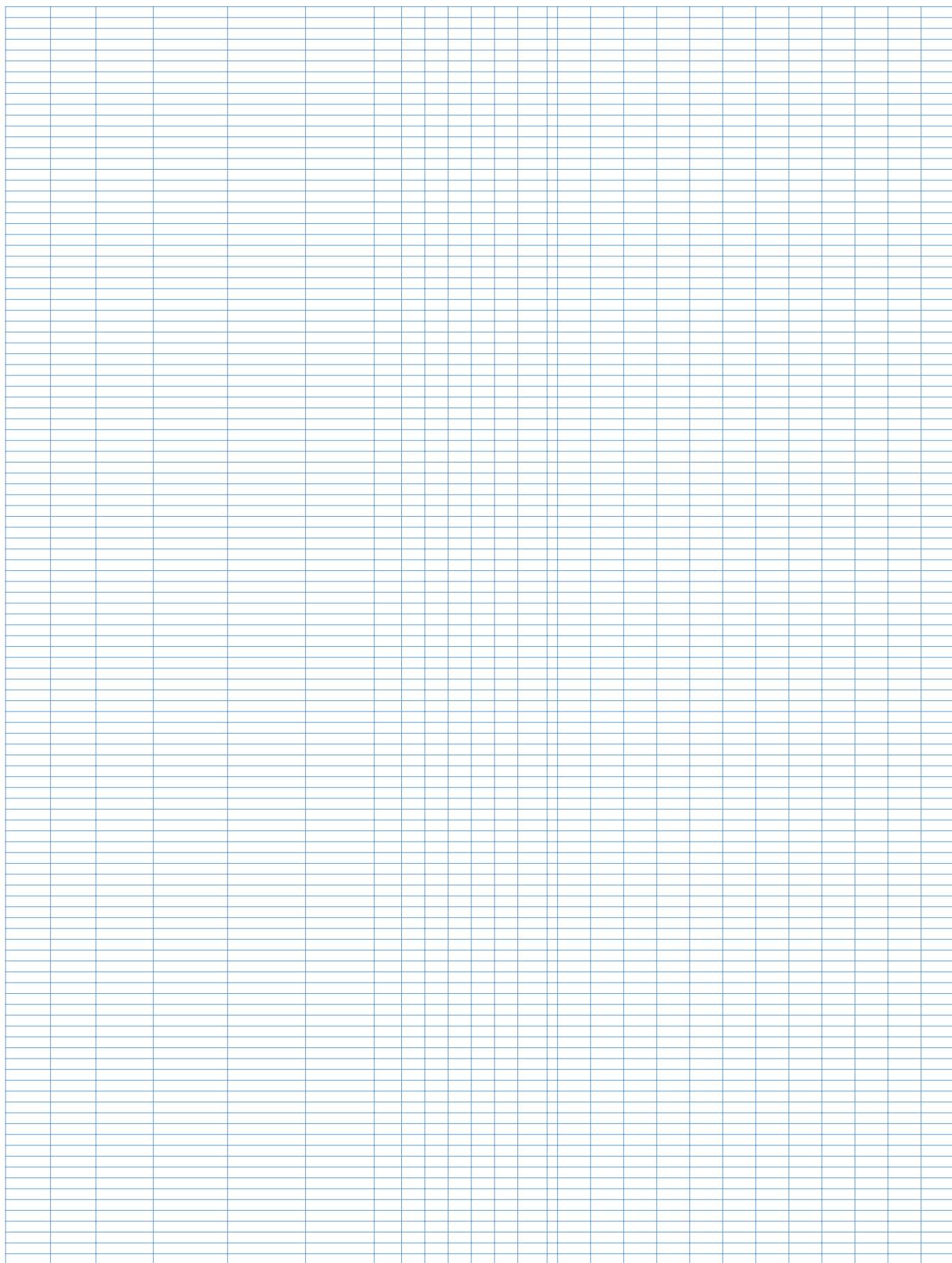


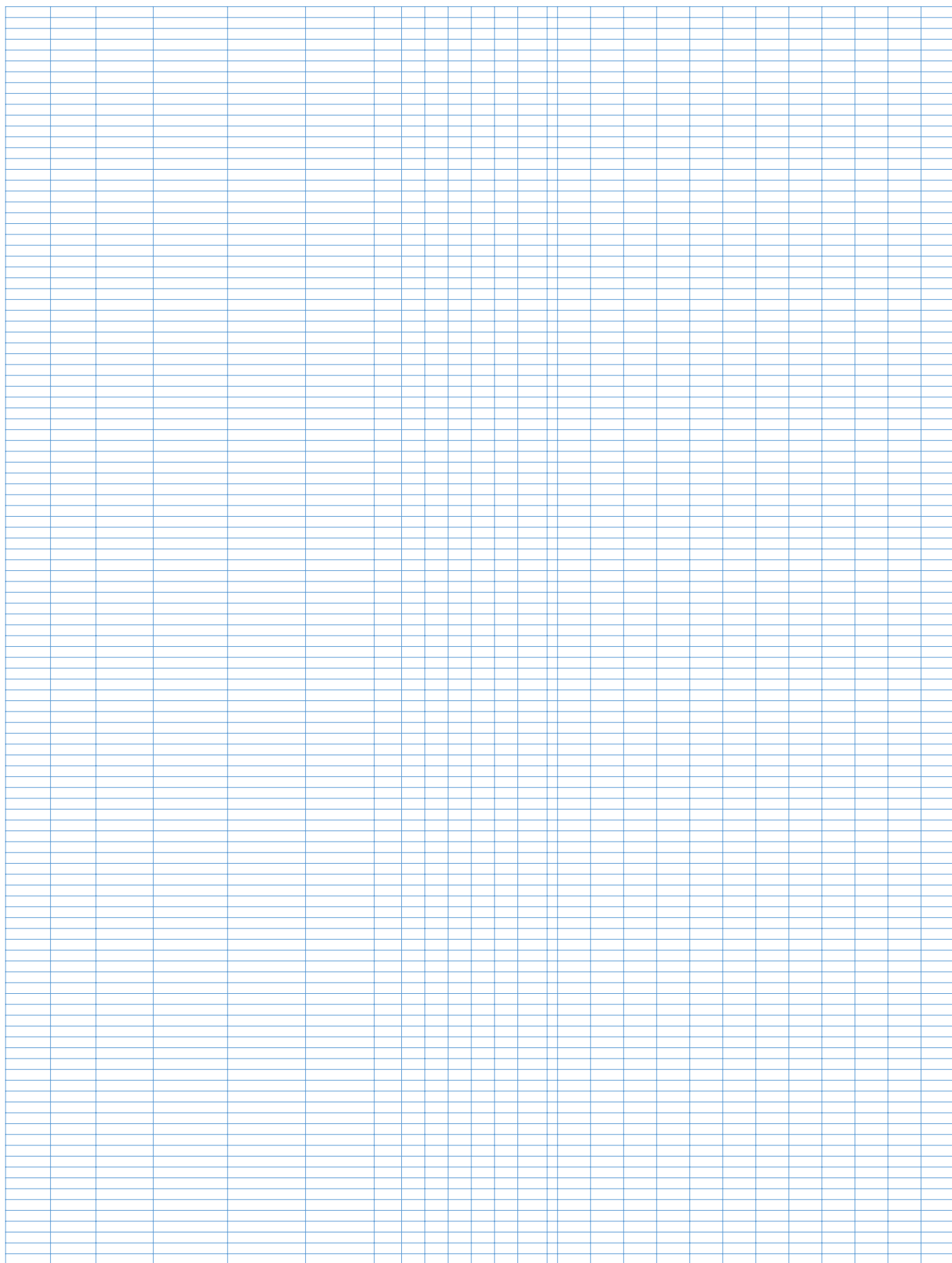




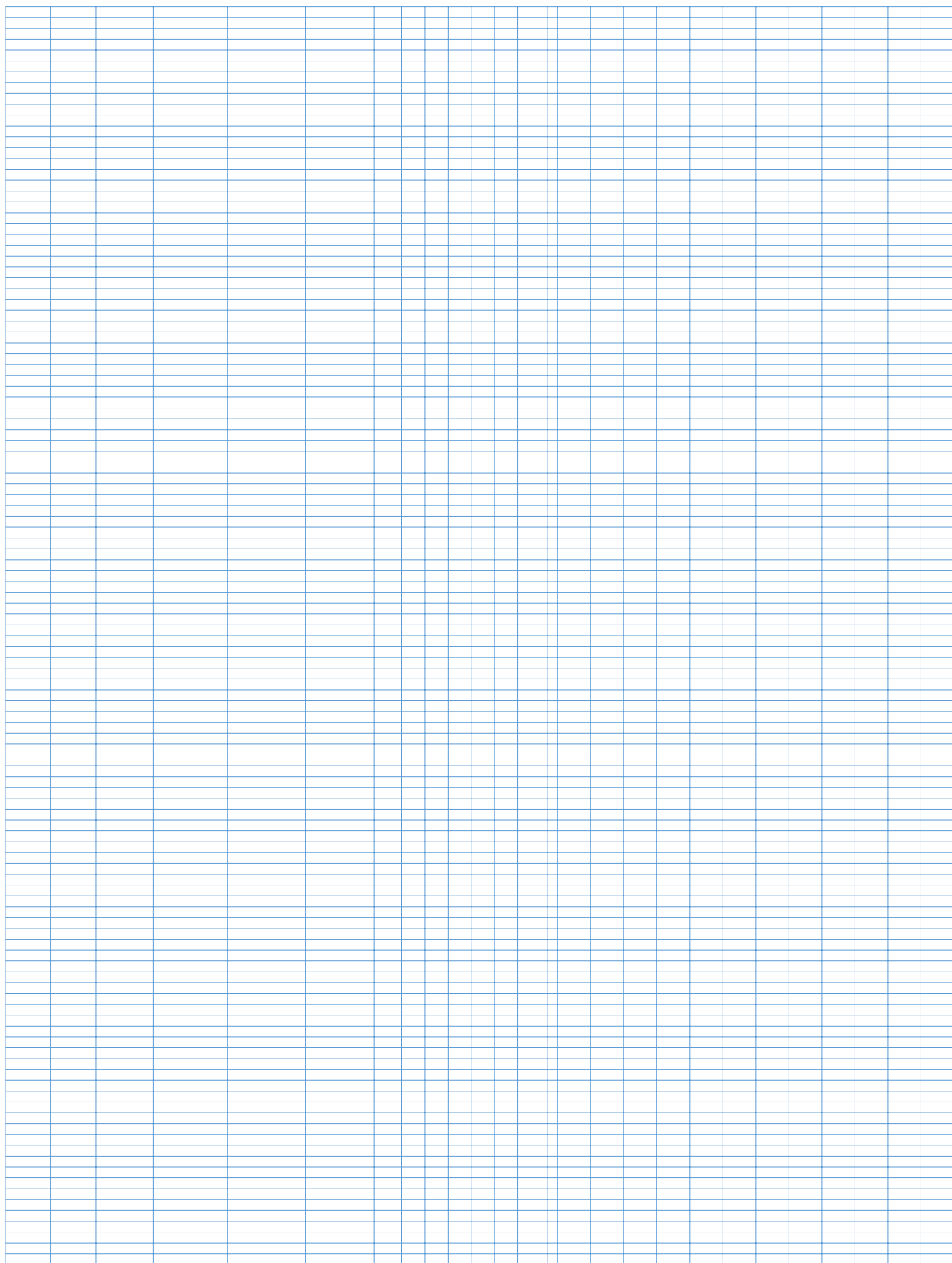


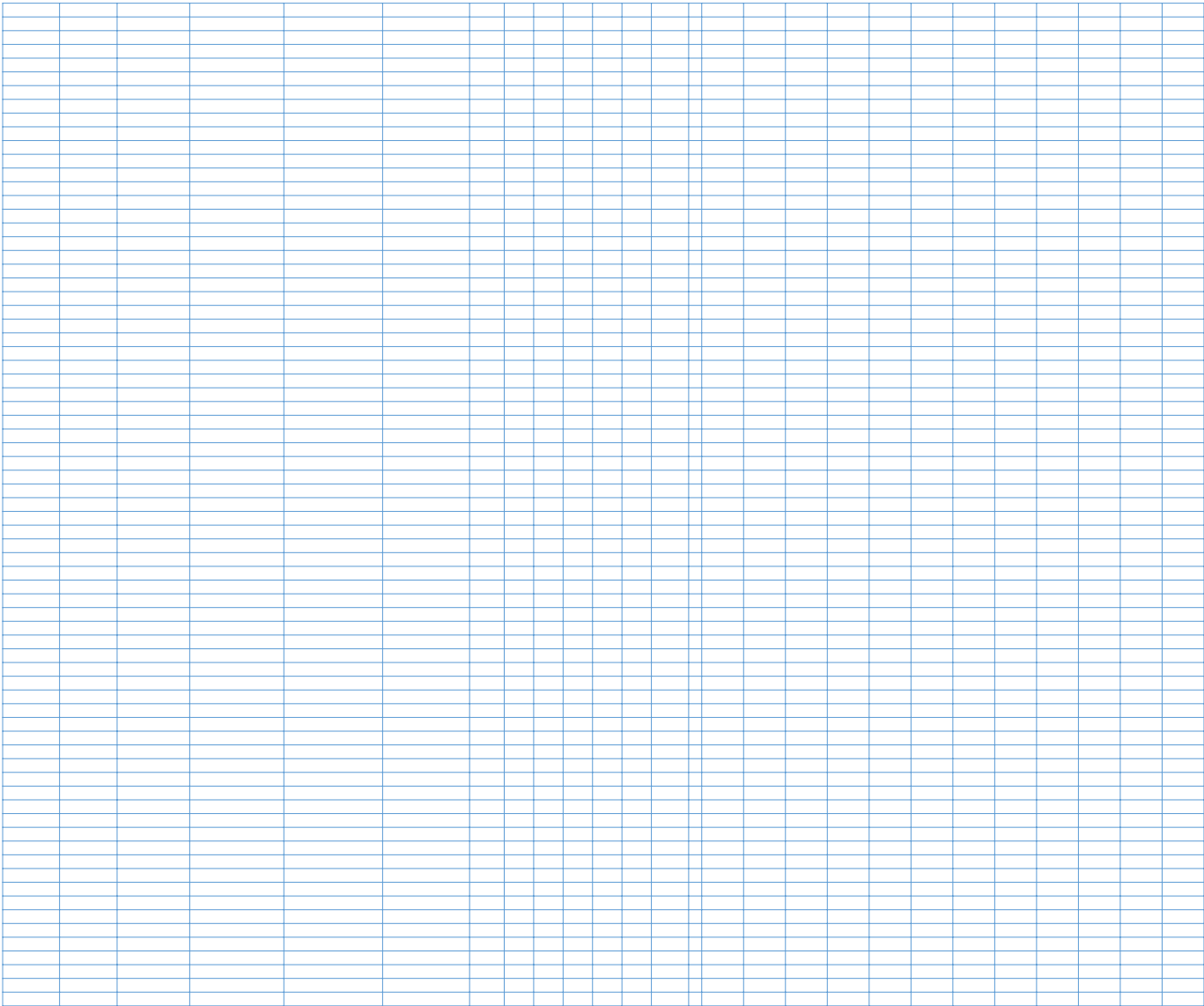












| Unique ID | RCT-4-1 | Study ID | 4 | Assessor | WG |
|--|---|--|--|----------|--|
| Ref or Label | Salmami 2014 RCT | Aim | assignment to intervention (the 'intention-to-treat' effect) | | |
| Experimental | HPD (premolded earplug) fit testing with instruction (immediate) | Comparator | HPD (premolded earplug) fit testing without instruction | Source | Journal article(s) |
| Outcome | Outcome 1 The difference in PAR levels (dB) | Results | 1.1.3 | Weight | |
| Domain | Signalling question | Response | Comments | | |
| Bias arising from the randomization process | 1.1 Was the allocation sequence random? | Y | Participants were randomly assigned using a random digit table. It was not reported if the allocation sequence concealed before assigned to intervention. | | |
| | 1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions? | NI | | | |
| | 1.3 Did baseline differences between intervention groups suggest a problem with the randomization process? | N | No difference in age or gender between groups. | | |
| | Risk of bias judgement | Some concerns | Participants were randomly assigned using a random digit table. It was not reported if they might have been aware of their assignment; but if they came group, yes, they possibly were aware. However, the authors did not report it. The group assignment was blinded to the intervention | | |
| Bias due to deviations from intended interventions | 2.1 Were participants aware of their assigned intervention during the trial? | PN | | | |
| | 2.2 Were carers and people delivering the interventions aware of participants' assigned intervention during the trial? | Y | | | |
| | 2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context? | PN | Group 2 was trained for 15 minutes and the correct technique was assured by the | | |
| | 2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome? | NA | | | |
| | 2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups? | NA | | | |
| | 2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention? | Y | The t-test was used. | | |
| | 2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized? | NA | | | |
| Risk of bias judgement | Low | If participants visited the clinic individually, they might have not chance to be aware of | | | |
| Bias due to missing outcome data | 3.1 Were data for this outcome available for all, or nearly all, participants randomized? | Y | Each group had 50 participants and no exclude participants reported. | | |
| | 3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data? | NA | | | |
| | 3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value? | NA | | | |
| | 3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value? | NA | | | |
| | Risk of bias judgement | Low | Each group had 50 participants and no exclude participants reported. | | |
| Bias in measurement of the outcome | 4.1 Was the method of measuring the outcome inappropriate? | N | Threshold measurement was performed based on the ASHA criteria using REAT | | |
| | 4.2 Could measurement or ascertainment of the outcome have differed between intervention groups? | N | The same measurement methods applied for all participants. | | |
| | 4.3 Were outcome assessors aware of the intervention received by study participants? | N | The outcome assessors (the audiologist) was blinded. | | |
| | 4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received? | NA | | | |
| | 4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received? | NA | | | |
| Risk of bias judgement | Low | Threshold measurement was performed based on the ASHA criteria using REAT | | | |
| Bias in selection of the reported result | 5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis? | NI | No protocol was available for this study. | | |
| | 5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain? | N | The study only measured the attenuation at each frequency with one method. | | |
| | 5.3 ... multiple eligible analyses of the data? | N | No multiply eligible analyses applied of the data. | | |
| | Risk of bias judgement | Some concerns | No protocol is available for this study. The study only measured the attenuation at | | |
| Overall bias | Risk of bias judgement | Some concerns | This RCT was blinded to the audiologist who assessed outcome, and only one | | |
| | | | | | |
| | | | | | |
| Unique ID | RCT-5-1 | Study ID | 5 | Assessor | WG |
| Ref or Label | Murphy 2007 RCT | Aim | assignment to intervention (the 'intention-to-treat' effect) | | |
| Experimental | Multi-earplug with instruction (short-term) | Comparator | Multi-earplug without instruction | Source | Grant database summary (e.g. NIH RePORTER, Research Councils UK Gateway to Research) |
| Outcome | Outcome 1 Difference in PAR levels (dB) | Results | 1.1.1 | Weight | |
| Domain | Signalling question | Response | Comments | | |
| Bias arising from the randomization process | 1.1 Was the allocation sequence random? | Y | All subjects were assigned to group A, B, or C by a random card draw from a card deck which was shuffled it by the researchers. | | |
| | 1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions? | PY | | | |
| | 1.3 Did baseline differences between intervention groups suggest a problem with the randomization process? | PN | No baseline PAR, age or gender were reported. At baseline, each group had | | |
| | Risk of bias judgement | Low | All subjects were assigned to group A, B, or C by a random card draw from a card deck | | |
| Bias due to deviations from intended interventions | 2.1 Were participants aware of their assigned intervention during the trial? | Y | Participant were aware of their assigned intervention because of different intervention methods. | | |
| | 2.2 Were carers and people delivering the interventions aware of participants' assigned intervention during the trial? | Y | | | |
| | 2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context? | PN | All participants in the intervention group were giving counseling regarding correct | | |
| | 2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome? | NA | | | |
| | 2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups? | NA | | | |
| | 2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention? | PY | Analysis performed by the review authors, based on the raw data provided by the | | |
| | 2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized? | NA | | | |
| Risk of bias judgement | Low | Participant were aware of their assigned intervention because of different | | | |
| Bias due to missing outcome data | 3.1 Were data for this outcome available for all, or nearly all, participants randomized? | Y | Date from all randomized participants | | |
| | 3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data? | NA | | | |
| | 3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value? | NA | | | |

| | | | |
|---|---|------------|--|
| | 3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value? | NA | |
| | Risk of bias judgement | Low | Date from all randomized participants |
| Bias in measurement of the outcome | 4.1 Was the method of measuring the outcome inappropriate? | N | The Fitchck technical method was used in the study. |
| | 4.2 Could measurement or ascertainment of the outcome have differed between intervention groups? | N | The same measurement methods applied for all participants. |
| | 4.3 Were outcome assessors aware of the intervention received by study participants? | NI | Not reported. |
| | 4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received? | PN | It is unlikely because they followed the same fit testing procedure using same technology and the measurement is fairly objective. |
| | 4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received? | NA | |
| | Risk of bias judgement | Low | the Fitchck technical method was used in the study. |
| Bias in selection of the reported result | 5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis? | Y | The data reported were accordance with the prespecified protocol. |
| | 5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain? | N | Only PAR levels were measured. |
| | 5.3 ... multiple eligible analyses of the data? | N | No multiply eligible analyses applied of the data. |
| | Risk of bias judgement | Low | The data reported were accordance with the prespecified protocol. |
| Overall bias | Risk of bias judgement | Low | It was RCT study. Group B was received written instruction before the first visit. |

| | | | | | |
|---------------------|---|-------------------|--|-----------------|--|
| Unique ID | RCT-5-2 | Study ID | 5 | Assessor | WG |
| Ref or Label | Murphy 2007 RCT | Aim | assignment to intervention (the 'intention-to-treat' effect) | | |
| Experimental | Multi-earplug with instruction (short-term) | Comparator | Multi-earplug without instruction | Source | Grant database summary (e.g. NIH RePORTER, Research Councils UK Gateway to Research) |
| Outcome | Outcome 1 Difference in PAR levels (dB) | Results | 1.1.1 | Weight | |

| Domain | Signalling question | Response | Comments |
|---|---|--|--|
| Bias arising from the randomization process | 1.1 Was the allocation sequence random? | Y | All subjects were assigned to group A, B, or C by a random card draw from a card deck which was shuffled it by the researchers. |
| | 1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions? | PY | |
| | 1.3 Did baseline differences between intervention groups suggest a problem with the randomization process? | PN | No baseline PAR, age or gender were reported. At baseline, each group had |
| | Risk of bias judgement | Low | All subjects were assigned to group A, B, or C by a random card draw from a card deck |
| Bias due to deviations from intended interventions | 2.1.Were participants aware of their assigned intervention during the trial? | Y | Participant were aware of their assigned intervention because of different intervention methods. |
| | 2.2.Were carers and people delivering the interventions aware of participants' assigned intervention during the trial? | Y | |
| | 2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context? | PN | All participants in the intervention group were giving counseling regarding correct |
| | 2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome? | NA | |
| | 2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups? | NA | |
| | 2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention? | PY | Analysis performed by the review authors, based on the raw data provided by the |
| | 2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized? | NA | |
| Risk of bias judgement | Low | Participant were aware of their assigned intervention because of different | |
| Bias due to missing outcome data | 3.1 Were data for this outcome available for all, or nearly all, participants randomized? | Y | Date from all randomized participants |
| | 3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data? | NA | |
| | 3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value? | NA | |
| | 3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value? | NA | |
| | Risk of bias judgement | Low | Date from all randomized participants |
| Bias in measurement of the outcome | 4.1 Was the method of measuring the outcome inappropriate? | N | The Fitchck technical method was used in the study. |
| | 4.2 Could measurement or ascertainment of the outcome have differed between intervention groups? | N | The same measurement methods applied for all participants. |
| | 4.3 Were outcome assessors aware of the intervention received by study participants? | NI | Not reported. |
| | 4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received? | PN | It is unlikely because they followed the same fit testing procedure using same technology and the measurement is fairly objective. |
| | 4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received? | NA | |
| | Risk of bias judgement | Low | the Fitchck technical method was used in the study. |
| Bias in selection of the reported result | 5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis? | Y | The data reported were accordance with the prespecified protocol. |
| | 5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain? | N | Only PAR levels were measured. |
| | 5.3 ... multiple eligible analyses of the data? | N | No multiply eligible analyses applied of the data. |
| | Risk of bias judgement | Low | The data reported were accordance with the prespecified protocol. |
| Overall bias | Risk of bias judgement | Low | It was RCT study. Group B was received written instruction before the first visit. |

| Unique ID | RCT-5-3 | Study ID | 5 | Assessor | WG |
|---------------------|--|-------------------|--|-----------------|--|
| Ref or Label | Murphy 2007 RCT | Aim | assignment to intervention (the 'intention-to-treat' effect) | | |
| Experimental | Multi-earplug with instruction (long-term) | Comparator | Multi-earplug without instruction | Source | Grant database summary (e.g. NIH RePORTER, Research Councils UK Gateway to Research) |
| Outcome | Outcome 1 Difference in PAR levels (dB) | Results | 1.1.2 | Weight | |
| Domain | Signalling question | Response | Comments | | |

| | | | |
|---|---|--|--|
| Bias arising from the randomization process | 1.1 Was the allocation sequence random? | Y | All subjects were assigned to group A, B, or C by a random card draw from a card deck which was shuffled it by the researchers. |
| | 1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions? | PY | |
| | 1.3 Did baseline differences between intervention groups suggest a problem with the randomization process? | PN | No baseline PAR, age or gender were reported. At baseline, each group had |
| | Risk of bias judgement | Low | All subjects were assigned to group A, B, or C by a random card draw from a card deck |
| Bias due to deviations from intended interventions | 2.1.Were participants aware of their assigned intervention during the trial? | Y | Participant were aware of their assigned intervention because of different intervention methods. |
| | 2.2.Were carers and people delivering the interventions aware of participants' assigned intervention during the trial? | Y | |
| | 2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context? | PN | All participants in the intervention group were giving counseling regarding correct |
| | 2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome? | NA | |
| | 2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups? | NA | |
| | 2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention? | PY | Analysis performed by the review authors, based on the raw data provided by the |
| | 2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized? | NA | |
| Risk of bias judgement | Low | Participant were aware of their assigned intervention because of different | |
| Bias due to missing outcome data | 3.1 Were data for this outcome available for all, or nearly all, participants randomized? | Y | Date from all randomized participants |
| | 3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data? | NA | |
| | 3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value? | NA | |
| | 3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value? | NA | |
| | Risk of bias judgement | Low | Date from all randomized participants |
| Bias in measurement of the outcome | 4.1 Was the method of measuring the outcome inappropriate? | N | The Fitchck technical method was used in the study. |
| | 4.2 Could measurement or ascertainment of the outcome have differed between intervention groups? | N | The same measurement methods applied for all participants. |
| | 4.3 Were outcome assessors aware of the intervention received by study participants? | NI | Not reported. |
| | 4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received? | PN | It is unlikely because they followed the same fit testing procedure using same technology and the measurement is fairly objective. |
| | 4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received? | NA | |
| | Risk of bias judgement | Low | the Fitchck technical method was used in the study. |
| Bias in selection of the reported result | 5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis? | Y | The data reported were accordance with the prespecified protocol. |
| | 5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain? | N | Only PAR levels were measured. |
| | 5.3 ... multiple eligible analyses of the data? | N | No multiply eligible analyses applied of the data. |
| | Risk of bias judgement | Low | The data reported were accordance with the prespecified protocol. |
| Overall bias | Risk of bias judgement | Low | It was RCT study. Group B was received written instruction before the first visit. |

| | | | | | |
|---|--|-------------------|---|--|---|
| Unique ID | RCT-2-1-1 | Study ID | 2 | Assessor | WG |
| Ref or Label | Federman 2021 RCT | Aim | assignment to intervention (the 'intention-to-treat' effect) | | |
| Experimental | HPD (foam earplug) fit testing with individualized instruction | Comparator | HPD (foam earplug) fit testing with small group video instruction | Source | Journal article(s) |
| Outcome | Outcome 1 The difference in PAR levels (dB) | Results | 2.1.1 | Weight | 0.531 |
| Domain | Signalling question | | Response | | Comments |
| Bias arising from the randomization process | 1.1 Was the allocation sequence random? | | Y | | randomly assigned to the three test groups (standard, video only, eHPD + video) based on the penultimate digit in their SSN. The allocation sequence concealed until participants were enrolled and assigned to |
| | 1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions? | | PY | | No difference in pre-training PARs between groups |
| | 1.3 Did baseline differences between intervention groups suggest a problem with the randomization process? | | N | | After screened 821 participants, 344 who did not pass the initial screening were |
| | Risk of bias judgement | | Low | | |
| Bias due to deviations from intended interventions | 2.1.Were participants aware of their assigned intervention during the trial? | | Y | | Participants and people delivering the intervention were aware of their assigned intervention during the trial due to different intervention methods. |
| | 2.2.Were carers and people delivering the interventions aware of participants' assigned intervention during the trial? | | Y | | |
| | 2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context? | | PN | | It is unlikely to have deviation from the intended intervention because eHPD |
| | 2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome? | | NA | | |
| | 2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups? | | NA | | |
| | 2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention? | | Y | | One-way analysis of variance (ANOVA) with Post-hoc analysis for Delta PAR |
| | 2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized? | | NA | | |
| Risk of bias judgement | | Low | | Participants and people delivering the intervention were aware of their assigned | |
| Bias due to missing outcome data | 3.1 Were data for this outcome available for all, or nearly all, participants randomized? | | Y | | Data for this outcome available for 321 participants out of 344 randomized |
| | 3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data? | | NA | | |
| | 3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value? | | NA | | |
| | 3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value? | | NA | | |
| | Risk of bias judgement | | Low | | Data for this outcome available for 321 participants out of 344 randomized |
| Bias in measurement of | 4.1 Was the method of measuring the outcome inappropriate? | | N | | The FAES used for data collection was a commercially available software-based |
| | 4.2 Could measurement or ascertainment of the outcome have differed between intervention groups? | | N | | The same measurement methods applied for all participants. |
| | 4.3 Were outcome assessors aware of the intervention received by study participants? | | N | | Outcome assessors were blinded. |

| | | | |
|--|---|----------------------|---|
| measurement of the outcome | 4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received? | NA | |
| | 4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received? | NA | |
| | Risk of bias judgement | Low | The FAES used for data collection was a commercially available software-based |
| Bias in selection of the reported result | 5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis? | NI | No protocol was available for this study. |
| | 5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain? | N | The study has two outcomes, the difference in PAR levels and PAR pass rates. |
| | 5.3 ... multiple eligible analyses of the data? | N | No multiply eligible analyses applied of the data. |
| | Risk of bias judgement | Some concerns | No protocol is available for this study. The study has two outcomes, the difference |
| Overall bias | Risk of bias judgement | Some concerns | This RCT was designed to compare the difference in PAR value or PAR pass rates |

| | | | | | |
|--------------|--|------------|--|----------|--------------------|
| Unique ID | RCT-2-1-2 | Study ID | 2 | Assessor | WG |
| Ref or Label | Federman 2021 RCT | Aim | assignment to intervention (the 'intention-to-treat' effect) | | |
| Experimental | HPD (foam earplug) with individualized and small group video instruction (short- | Comparator | Foam earplug with small group video instruction | Source | Journal article(s) |
| Outcome | Outcome 1 The difference in PAR levels (dB) | Results | 2.1.1 | Weight | 0.469 |

| Domain | Signalling question | Response | Comments |
|--|---|--|---|
| Bias arising from the randomization process | 1.1 Was the allocation sequence random? | Y | randomly assigned to the three test groups (standard, video only, eHPD + video) based on the penultimate digit in their SSN. The allocation sequence concealed until participants were enrolled and assigned to |
| | 1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions? | PY | |
| | 1.3 Did baseline differences between intervention groups suggest a problem with the randomization process? | N | No difference in pre-training PARs between groups |
| | Risk of bias judgement | Low | After screened 821 participants, 344 who did not pass the initial screening were |
| Bias due to deviations from intended interventions | 2.1. Were participants aware of their assigned intervention during the trial? | Y | Participants and people delivering the intervention were aware of their assigned intervention during the trial due to different intervention methods. |
| | 2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial? | Y | |
| | 2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context? | PN | It is unlikely to have deviation from the intended intervention because eHPD |
| | 2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome? | NA | |
| | 2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups? | NA | |
| | 2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention? | Y | One-way analysis of variance (ANOVA) with Post-hoc analysis for Delta PAR |
| | 2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized? | NA | |
| Risk of bias judgement | Low | Participants and people delivering the intervention were aware of their assigned | |
| Bias due to missing outcome data | 3.1 Were data for this outcome available for all, or nearly all, participants randomized? | Y | Data for this outcome available for 321 participants out of 344 randomized |
| | 3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data? | NA | |
| | 3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value? | NA | |
| | 3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value? | NA | |
| | Risk of bias judgement | Low | Data for this outcome available for 321 participants out of 344 randomized |
| Bias in measurement of the outcome | 4.1 Was the method of measuring the outcome inappropriate? | N | The FAES used for data collection was a commercially available software-based |
| | 4.2 Could measurement or ascertainment of the outcome have differed between intervention groups? | N | The same measurement methods applied for all participants. |
| | 4.3 Were outcome assessors aware of the intervention received by study participants? | N | Outcome assessors were blinded. |
| | 4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received? | NA | |
| | 4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received? | NA | |
| | Risk of bias judgement | Low | The FAES used for data collection was a commercially available software-based |
| Bias in selection of the reported result | 5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis? | NI | No protocol was available for this study. |
| | 5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain? | N | The study has two outcomes, the difference in PAR levels and PAR pass rates. |
| | 5.3 ... multiple eligible analyses of the data? | N | No multiply eligible analyses applied of the data. |
| | Risk of bias judgement | Some concerns | No protocol is available for this study. The study has two outcomes, the difference |
| Overall bias | Risk of bias judgement | Some concerns | This RCT was designed to compare the difference in PAR value or PAR pass rates |

| | | | | | |
|--------------|---|------------|--|----------|--------------------|
| Unique ID | RCT-2-2-1 | Study ID | 2 | Assessor | WG |
| Ref or Label | Federman 2021 RCT | Aim | assignment to intervention (the 'intention-to-treat' effect) | | |
| Experimental | HPD (foam earplug) with individualized instruction element (short-term) | Comparator | Foam earplug with small group video instruction | Source | Journal article(s) |
| Outcome | Outcome 2 The difference in PAR pass rate (%) | Results | 2.2.1 | Weight | 0.518 |

| Domain | Signalling question | Response | Comments |
|---|--|------------|---|
| Bias arising from the randomization process | 1.1 Was the allocation sequence random? | Y | randomly assigned to the three test groups (standard, video only, eHPD + video) based on the penultimate digit in their SSN. The allocation sequence concealed until participants were enrolled and assigned to |
| | 1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions? | PY | |
| | 1.3 Did baseline differences between intervention groups suggest a problem with the randomization process? | N | No difference in pre-training PARs between groups |
| | Risk of bias judgement | Low | After screened 821 participants, 344 who did not pass the initial screening were |
| | 2.1. Were participants aware of their assigned intervention during the trial? | Y | Participants and people delivering the intervention were aware of their assigned |

| | | | |
|--|--|----------------------|--|
| Bias due to deviations from intended interventions | 2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial? | Y | intervention during the trial due to different intervention methods. |
| | 2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context? | PN | It is unlikely to have deviation from the intended intervention because eHPD |
| | 2.4. If Y/PY to 2.3: Were these deviations likely to have affected the outcome? | NA | |
| | 2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups? | NA | |
| | 2.6. Was an appropriate analysis used to estimate the effect of assignment to intervention? | Y | One-way analysis of variance (ANOVA) with Post-hoc analysis for Delta PAR |
| | 2.7. If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized? | NA | |
| | Risk of bias judgement | Low | Participants and people delivering the intervention were aware of their assigned |
| Bias due to missing outcome data | 3.1. Were data for this outcome available for all, or nearly all, participants randomized? | Y | Data for this outcome available for 321 participants out of 344 randomized |
| | 3.2. If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data? | NA | |
| | 3.3. If N/PN to 3.2: Could missingness in the outcome depend on its true value? | NA | |
| | 3.4. If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value? | NA | |
| | Risk of bias judgement | Low | Data for this outcome available for 321 participants out of 344 randomized |
| Bias in measurement of the outcome | 4.1. Was the method of measuring the outcome inappropriate? | N | The FAES used for data collection was a commercially available software-based |
| | 4.2. Could measurement or ascertainment of the outcome have differed between intervention groups? | N | The same measurement methods applied for all participants. |
| | 4.3. Were outcome assessors aware of the intervention received by study participants? | N | Outcome assessors were blinded. |
| | 4.4. If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received? | NA | |
| | 4.5. If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received? | NA | |
| | Risk of bias judgement | Low | The FAES used for data collection was a commercially available software-based |
| Bias in selection of the reported result | 5.1. Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis? | NI | No protocol was available for this study. |
| | 5.2. ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain? | N | The study has two outcomes, the difference in PAR levels and PAR pass rates. |
| | 5.3. ... multiple eligible analyses of the data? | N | No multiply eligible analyses applied of the data. |
| | Risk of bias judgement | Some concerns | No protocol was available for this study. The study has two outcomes, the difference |
| Overall bias | Risk of bias judgement | Some concerns | This RCT was designed to compare the difference in PAR value or PAR pass rates |

| | | | | | |
|--|--|------------|--|-----------------|---|
| Unique ID | RCT-2-2-2 | Study ID | 2 | Assessor | WG |
| Ref or Label | Federman 2021 RCT | Aim | assignment to intervention (the 'intention-to-treat' effect) | | |
| Experimental | HPD (foam earplug) with individualized and small group video instruction (short-term) | Comparator | Foam earplug with small group video instruction | Source | Journal article(s) |
| Outcome | Outcome 2 The difference in PAR pass rate (%) | Results | 2.2.1 | Weight | 0.482 |
| Domain | Signalling question | | | Response | Comments |
| Bias arising from the randomization process | 1.1. Was the allocation sequence random? | | | Y | randomly assigned to the three test groups (standard, video only, eHPD + video) based on the penultimate digit in their SSN. The allocation sequence concealed until participants were enrolled and assigned to |
| | 1.2. Was the allocation sequence concealed until participants were enrolled and assigned to interventions? | | | PY | |
| | 1.3. Did baseline differences between intervention groups suggest a problem with the randomization process? | | | N | No difference in pre-training PARs between groups |
| | Risk of bias judgement | | | Low | After screened 821 participants, 344 who did not pass the initial screening were |
| Bias due to deviations from intended interventions | 2.1. Were participants aware of their assigned intervention during the trial? | | | Y | Participants and people delivering the intervention were aware of their assigned intervention during the trial due to different intervention methods. |
| | 2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial? | | | Y | |
| | 2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context? | | | PN | It is unlikely to have deviation from the intended intervention because eHPD |
| | 2.4. If Y/PY to 2.3: Were these deviations likely to have affected the outcome? | | | NA | |
| | 2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups? | | | NA | |
| | 2.6. Was an appropriate analysis used to estimate the effect of assignment to intervention? | | | Y | One-way analysis of variance (ANOVA) with Post-hoc analysis for Delta PAR |
| | 2.7. If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized? | | | NA | |
| | Risk of bias judgement | | | Low | Participants and people delivering the intervention were aware of their assigned |
| Bias due to missing outcome data | 3.1. Were data for this outcome available for all, or nearly all, participants randomized? | | | Y | Data for this outcome available for 321 participants out of 344 randomized |
| | 3.2. If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data? | | | NA | |
| | 3.3. If N/PN to 3.2: Could missingness in the outcome depend on its true value? | | | NA | |
| | 3.4. If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value? | | | NA | |
| | Risk of bias judgement | | | Low | Data for this outcome available for 321 participants out of 344 randomized |
| Bias in measurement of the outcome | 4.1. Was the method of measuring the outcome inappropriate? | | | N | The FAES used for data collection was a commercially available software-based |
| | 4.2. Could measurement or ascertainment of the outcome have differed between intervention groups? | | | N | The same measurement methods applied for all participants. |
| | 4.3. Were outcome assessors aware of the intervention received by study participants? | | | N | Outcome assessors were blinded. |
| | 4.4. If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received? | | | NA | |
| | 4.5. If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received? | | | NA | |
| | Risk of bias judgement | | | Low | The FAES used for data collection was a commercially available software-based |
| Bias in selection of the reported | 5.1. Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis? | | | NI | No protocol was available for this study. |
| | 5.2. ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain? | | | N | The study has two outcomes, the difference in PAR levels and PAR pass rates. |

| | | | | | | | | | | |
|-------------------------------|--|----------------------|--|--|--|--|--|--|--|--|
| of the reported result | 5.3... multiple eligible analyses of the data? | N | No multiply eligible analyses applied of the data. | | | | | | | |
| | Risk of bias judgement | Some concerns | No protocol was available for this study. The study has two outcomes, the difference | | | | | | | |
| Overall bias | Risk of bias judgement | Some concerns | This RCT was designed to compare the difference in PAR value or PAR pass rates | | | | | | | |

